Contents

Welcome from the President of LIBER ................................................................. 2
Welcome from the Patras Local Organising Committee .............................. 4
LIBER Organisation .............................................................................................. 5
LIBER 2017 Patras Organising Committee .................................................. 7
Important Information ....................................................................................... 8
Trade Professional Exhibition ........................................................................... 9
Social Programme .............................................................................................. 10
LIBER 2017 Programme at a Glance ............................................................... 12
Pre-Conference Programme ............................................................................ 14
Annual Conference Programme ..................................................................... 15
Posters .................................................................................................................. 21
Workshops .......................................................................................................... 22
Abstracts & Presenter Profiles ......................................................................... 25
· Wednesday 5 July .......................................................................................... 26 - 36
· Thursday 6 July ............................................................................................. 37 - 62
· Friday 7 July .................................................................................................. 63 - 75
Invitation to the LIBER 47th Annual Conference Lille 2018 .......... 76
LIBER Award for Library Innovation ............................................................. 77
LIBER Annual Conference Fund ................................................................. 78
List of Participants ............................................................................................ 79
Conference & Cultural Centre Floorplans ................................................... 88
Map of Patras Centre ....................................................................................... 89
Map of University ............................................................................................. 90
Welcome from the President of LIBER

It is my great pleasure to welcome all Conference guests to the 46th LIBER Annual Conference in Patras in 2017. The LIBER Annual Conference has become the conference for European research library leaders. I hope your stay in Patras will be inspiring and informative. I should like to encourage you to network with your European colleagues – and enjoy the Mediterranean environment!

The Network of LIBER Libraries

LIBER’s network of libraries includes 400+ libraries in 41 countries, and the network is growing steadily each year. This is important as LIBER is sustained by the annual contribution fees of LIBER Participants (i.e. members), and reliable core funding is crucial in being able to deliver services to LIBER libraries.

The map (Fig. 1) illustrates the distribution of LIBER Participants in the four geographic regions of Europe, and indicates that, by comparison with the number of research libraries in the southern countries, the number in LIBER is quite low. I hope that the Annual Conference in Patras will inspire more libraries to join the LIBER network.

Strategic Directions 2016-2017

LIBER’s three Strategic Directions will help our libraries to take action in key areas, thereby enabling them to thrive and better serve the research community. The Strategic Directions are:

Enable Open Science, including Open Science, Open Access, Research Data Management

Lead in Changing Scholarship, consisting of Leadership Seminars and Skills Development

Shape Innovative Research, comprising Advocacy and Text and Data Mining

The Strategic Directions have been implemented through our Steering Committees and related Working Groups, EU Projects and advocacy work (Fig. 2).
Top Achievements in 2016
LIVER worked hard in 2016 to serve our network of 400+ libraries, consortia and organisations across Europe. Among the main achievements (Fig. 3) were the drafting of the LIBER Strategic Framework Plan 2018-2022, active advocacy work in the European Commission and Parliament, membership of the Open Science Policy Platform and the launch of new working groups to support our aims in fostering Open Science. In addition, the Helsinki 2016 Annual Conference attracted almost 550 delegates, and the feedback was very positive.

Welcome to Patras!
I wish to thank the local organisers of the 2017 LIBER Annual Conference and their staff for their hard work in offering an inspiring environment for LIBER Annual Conference. I also wish to express my thanks to the LIBER Conference Programme Committee, the LIBER Executive Board and the LIBER Office. The Annual Conference is the outcome of collaboration among many groups.

I wish everyone attending the Annual Conference a stimulating and enjoyable conference!

KRISTIINA HORMIA-POUTANEN
President of LIBER
May 2017
Welcome from the Patras Local Organising Committee

Dear Delegates

On behalf of the local Organising Committee for the LIBER 2017 Annual Conference, we should like to welcome you to Patras. We are very honoured to host the 2017 LIBER Annual Conference, the first occasion on which LIBER has held one of its annual conferences in Greece. It is also a great responsibility for our Library in Patras, since it is the largest event for libraries organised in Greece.

The theme of the Annual Conference, ‘Libraries Powering Sustainable Knowledge in the Digital Age’, is undoubtedly an important one. Knowledge structures - particularly in the evolving digital environment of our times - should be sustainable in order to feed effectively the life cycles of information in research and academia. After all, progress and cohesion in society, academia and research should be grounded on a firm foundation. At this LIBER Annual Conference in Patras, European colleagues, and those from other continents, will be able to discuss these issues in the light of LIBER’s new strategic plan for 2018-2022, explore the current landscape of library excellence and strive to shape together a positive future for all European libraries.

We wish you a productive and enjoyable Annual Conference week! We hope you will enjoy your stay in Patras and our traditional Greek hospitality. Members of the Local Organising Committee and our volunteers will be available to help you throughout the Conference week and ensure that you have the best possible conference experience.

PROFESSOR NIKOLAOS AVOURIS
Chair of the Library Board

DR GIANNIS TSAKONAS
Acting Director
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LIBER (until 15 March 2017)

Ms Astrid Verheusen
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LIBER 2017
Patras Organising Committee

LIBER 2017 is hosted by the Library & Information Centre, University of Patras.

Avouris, Nikolaos (LOC Chair)
Bouras, Alcibiades
Frantzi, Maria
Georgiou, Panos (LOC Coordinator)
Giannopoulou, Aggeliki
Gkogkou, Despoina
Lotsari, Dora
Sakellari, Niki
Satlanis, Vassilis
Tsakonas, Giannis (LOC Chair)

VOLUNTEERS
Support is kindly provided by volunteer library professionals, including members of the Library of the Hellenic Open University (HOU). They are listed in alphabetical order by surname.

Ampatzidis, Georgios
Ampatzoglou, Pantelis (HOU)
Armeni, Anastasia
Athanassopoulou, Vivi
Barouhou Alexandra
Cheilitsi, Filippia
Giannopoulos, Nikos
Glezou, Aliki
Kalamida, Foteini
Kalliampakou, Vicky
Kipourgou, Elisabeth
Kostopoulou, Iro (HOU)
Lampropoulou, Aggeliki
Mitrelis, Angelos
Mpousia, Christina
Papachristopoulos, Leonidas (HOU)
Papadopoulou, Niki (HOU)
Paraskeva, Matina
Perivolari, Marina
Seferli, Ioanna (HOU)
Skondra, Katerina
Zoutsou, Kyriaki

CONFERENCE MANAGEMENT
Conference support is also provided by PCO-Convin.
CONFERENCE SESSIONS WILL TAKE PLACE
In the Conference & Cultural Centre of the University of Patras, 265 04, Patras.

APART FROM THE FOLLOWING PRE-CONFERENCE SESSIONS
Leadership Programme
Sunday 2 July to Tuesday 4 July
Events Hall of the Library & Information Centre, University of Patras (1st Floor).

REGISTRATION, INFORMATION DESK AND OPENING HOURS
The Conference Secretariat is located in the Entrance Hall of the Conference & Cultural Centre, and will be open during the following hours:

Tuesday 4 July: 12.00-17.30
Wednesday 5 July: 08.30-18.00
Thursday 6 July: 08.30-18.00
Friday 7 July: 08.00-12.30 Registration & Information

The local organisers and a LIBER representative will be available during opening hours.

NAME TAGS
Please make sure that you wear your name tag at all Conference events. Your LIBER name tag will be your entrance pass to the Conference Dinner on Wednesday 5 July, the Conference Reception on Thursday 6 July and the Conference Excursion on Saturday 8 July.

CERTIFICATES OF ATTENDANCE
Certificates of attendance for those who require them will be available from the Secretariat from the afternoon of Thursday 6 July.

SESSIONS
All Conference sessions are open to registered delegates unless the programme marks them as ‘closed’ or as ‘by invitation’ sessions.

POSTERS EXHIBITION
There is an area for the display of posters in the Foyer (1st Floor) of the Conference & Cultural Centre for the duration of the Conference.

TRADE PROFESSIONAL EXHIBITION
The Trade Professional Exhibition is in the Entrance Hall (Ground Floor).

WI-FI ACCESS
Delegates have open Wi-Fi access in the Conference & Cultural Centre. Passwords are not required. Participants in events held in the Library & Information Centre are served by eduroam, while guest accounts are available for those who are not part of this pan-European network.

MEALS & COFFEES
Coffee breaks and buffet lunches are provided for all registered delegates from Wednesday 5 July to Friday 7 July inclusive. Lunch will be served in the Foyer of the Conference & Cultural Centre on the 1st Floor. Special dietary requirements have been requested on the registration form. If you have any questions, please contact the Conference Secretariat.

CONFERENCE PHOTOGRAPH
The Conference Group Photograph will be taken on Thursday 6 July in front of the Old Municipal Hospital at the time of the Conference Reception.

Photographs and videos will be taken during the Conference and the social programme, and will be published on the LIBER and Conference Host websites, as well as on Flickr and social media under a CC BY license.

SOCIAL MEDIA AND WEB
Twitter: Conference hashtag: #liber2017
Follow @libereurope and @liberconference
Facebook: https://www.facebook.com/LIBEREurope,
https://www.facebook.com/events/771178016358476
Website: http://liber2017.lis.upatras.gr
Vimeo: http://www.vimeo.com/liber2017
Flickr: https://www.flickr.com/photos/libereurope
Trade Professional Exhibition

1 Figshare
2 Zeutschel
3 Clarivate Analytics
4 Royal Society of Chemistry
5 Emerald
6 IET
7 EBSCO
8 Bloomsbury Digital Resources
9 ACCUCOMS
10 Gale, A Cengage Company

11 Institution of Civil Engineers
12 DataScouting
13/14 Realiscape Typorama
15 TIND
16 Springer Nature
17 DOAJ & DOAB
18 Cambridge University Press
19 Overleaf
20 JOVE
Social Programme

Tuesday 4 July
GUIDED TOUR OF PATRAS
On Friday evening, you will have the option of taking a guided tour of the city of Patras. A relaxed but highly informative tour along the main roads of Patras will reveal the city's history, from the Ancient period to the flourishing 20th-century industrial and commercial city. The tour will be guided by Xenofon Papaefthimiou, museologist and city historian, member of the Society of Achaean Studies. Capacity: 20 persons, free of charge.

Wednesday 5 July
CONFERENCE DINNER
The Conference Dinner for LIBER 2017 will take place at French's Villa (Villa tou Gallou), an architectural masterpiece of the Patras area. The villa is located by the seaside in the small picturesque village of Monodendri, with a panoramic view of Patras Bay, less than 10km south-west of the city of Patras.

The building is a late 18th-century work by Saxon architect Ernst Moritz Theodor Ziller (1837-1923), who lived and worked in Greece as a major designer of royal and municipal buildings in Athens, Patras and other cities for forty years, and eventually became a Greek national. The main building of the villa is surrounded by a 7,000m² garden with pine, olive and eucalyptus trees, providing a perfect environment for a relaxing evening with familiar and new friends and partners.

Transportation from delegate hotels to the Villa and back will be arranged by the Local Organising Committee.

Thursday 6 July
RECEPTION
Conference delegates are invited to a Reception in the premises of the Old Municipal Hospital. The Old Hospital is situated in the upper town of Patras, a picturesque district with traditional architecture, important archaeological sites, such as the Roman Amphitheatre (1st century AD), the ancient conservatory and the castle and, also, a great view of the city of Patras and the harbour.

The Old Municipal Hospital was built in 1857 and began operating on 1 January 1872. It was designed by the Danish architect Christian Hansen (1813-1891), one of the main representatives of neoclassicism in architecture, who is also famous for emblematic buildings, such as the University of Athens (1839-50), which stands between two other important structures, the Academy of Athens and the National Library of Greece, designed by his brother, Theophil Hansen (1813-1891). Since 1958 it has belonged to the state, functioning as an exhibition space and cultural centre.

The Reception is hosted in an inner garden, which is surrounded by the main building construction, but delegates will have an opportunity to wander around the Old Hospital premises as well. It is easily accessible on foot, either by the stairs at the end of Agiou Nikolaou street (for the bold and well trained!) or by following the road to the Roman Amphitheatre at Palaion Patron Germanou str., and turning at Vasileiou Roufou str.

The Conference Group Photograph will be taken in front of the building.
Friday 7 July

VISIT TO THE ARCHAEOLOGICAL MUSEUM OF PATRAS

On Friday evening there is a scheduled visit to the Archaeological Museum of Patras at 17:00. The Archaeological Museum of Patras is located 4km from the University, towards the city centre. It was founded in 2009 and has 8,000m² of interior space. The Museum has four thematic sections, three of which are permanent and one temporary. The three permanent ones are dedicated to public and private life, while the fourth one is dedicated to the Necropolis. The items in the Museum belong to the Mycenaean, Ancient, Hellenistic and Roman Greece periods, while the oldest one is from the 17th century BC. Capacity: 20 persons, free of charge.

LIBRARY & INFORMATION CENTRE VISIT

The Library & Information Centre of the University of Patras is located on the east side of the main Campus, about 500m from the Conference venue.

If you would like to visit the Library, please register for the Library Visit at the Conference Information and Registration Desk.

In August 2003, the Library moved to its new building, which occupies 8,000m² and comprises four floors. The ground floor houses the stacks for scientific journals, where earlier issues are shelved, the dissertations collection, six collaboration rooms and a reading room for researchers. The main entrance to the building is on the first floor, which houses the Circulation Desk and the Interlibrary Loan Service. There is also a conference room and a number of staff offices. Most of the printed collections are housed on the second floor. Current journals are also located there, as is the main reading area for researchers. On the third floor, there is the Donations Hall, which houses rare books and journals from the personal collections of Professors and Friends of the University.

The visit will take place on Friday 7 July at 15.00. For those who wish guidance, there will be a volunteer at the Registration Desk 15 minutes prior to the visit.

Saturday 8 July

EXCURSION TO ANCIENT OLYMPIA

The excursion to Ancient Olympia on Saturday 8 July will offer the visitor a unique insight into the spirit of Ancient Greece. It is one of the most important sanctuaries of ancient times and one of modern country’s top tourist attractions. It is situated 120 km from Patras, in the beautiful green valley formed by the River Alpheios, in idyllic surrounding countryside.

Among the important monuments are the Temples of Zeus and Hera and the Ancient Stadium - where the ancient Olympic games were held - and the Prytaneion, to mention a few. Visitors will also have time to enjoy the amazing exhibits in the Archaeological Museum of Olympia, such as Hermes bearing the infant Dionysus by Praxiteles, The Nike of Paeonius and the two Museums dedicated to the history of the Olympic Games.

After the visit, there will be free time in the nearby village of Kourouta for lunch, coffee and why not a swim? The bus is scheduled to return to Patras around 18.00.

VISIT TO THE NATIONAL LIBRARY OF GREECE (ATHENS)

For LIBER 2017 delegates who have free time on Saturday morning in Athens, there is the opportunity to enjoy a guided tour of the new premises of the National Library of Greece at the Stavros Niarchos Foundation Cultural Centre. The nearly 24,000m² state-of-the-art building combines tradition with technological innovation, conservation with information and communication. The flexibility of its design, a remarkable outcome after consultations with the British Library, ensures that the National Library can respond effectively to ever-changing needs and the challenges of the digital era. The tour will start at 12.00 and will last one hour.

Capacity: 20 persons, free of charge.

REGISTRATION FOR SOCIAL EVENTS

You may express your interest by contacting the Conference Secretariat. Due to limited capacity at each event, please send an individual request, unless there is a registered accompanying person with you.
# LIBER 2017 Programme at a Glance

## Pre-Conference

<table>
<thead>
<tr>
<th></th>
<th>SUN 02.07</th>
<th>MON 03.07</th>
<th>TUE 04.07</th>
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</thead>
<tbody>
<tr>
<td><strong>LIBRARY &amp; INFORMATION CENTRE</strong></td>
<td>13.30-19.00 Leadership Seminar*</td>
<td>09.00-18.00 Leadership Seminar* 14.00-18.00 LIBER Meetings*</td>
<td>09.00-18.00 Leadership Seminar*</td>
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<td>* By invitation</td>
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<tr>
<td><strong>CONFERENCE &amp; CULTURAL CENTRE</strong></td>
<td>09.00-12.30 LIBER Executive Board Meeting* 12.00-18.00 Registration 13.00-18.00 LIBER Meetings*</td>
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<td></td>
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<td>* By invitation</td>
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<tr>
<td><strong>Exhibitions</strong></td>
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## Exhibitions

- 09.00-17.30 Trade & Professional Exhibition
- 09.00-17.30 Poster Exhibition
- 09.00-13.30 Trade & Professional Exhibition
- 09.00-13.30 Poster Exhibition

## Social Programme

- 19.30-21.00 Guided Tour of Patras Centre - Get to Know Patras!
<table>
<thead>
<tr>
<th>WED 05.07</th>
<th>THU 06.07</th>
<th>FRI 07.07</th>
<th>SAT 08.07</th>
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<tbody>
<tr>
<td>08.30-18.00 Registration</td>
<td>08.30-18.00 Registration</td>
<td>08.30-12.30 Registration</td>
<td>08.30-18.00 Registration</td>
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<tr>
<td>09.00-12.00 Workshops</td>
<td>09.00-10.30 Parallel Sessions</td>
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<tr>
<td>10.30-11.00 Coffee Break</td>
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<tr>
<td>12.00-13.00 Lunch</td>
<td>11.00-11.45 Plenary Session</td>
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<td>11.00-11.45 Plenary Session</td>
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<tr>
<td>Sponsored by InterOPTICS</td>
<td>12.45-13.30 LIBER Conference Programme Committee Meeting*</td>
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<td>13.30-14.30 Panel Session</td>
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<td></td>
<td>15.30-16.15 Plenary Session</td>
<td>15.30-16.15 Plenary Session</td>
<td>12.30-12.45 Conference Closing Ceremony</td>
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<tr>
<td></td>
<td>16.15-16.30 Poster Session II</td>
<td>16.30-17.45 Meeting of Participants</td>
<td>12.45-14.00 Lunch &amp; Closing Reception</td>
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<td></td>
<td>16.30-17.30 Knowledge Café: The LIBER Strategy 2018-2022 Roadmap</td>
<td>17.45-18.45 LIBER Executive Board Meeting*</td>
<td>14.00-15.30 LIBER Quarterly Meeting*</td>
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<td>17.30-18.45 LITER Executive Board Meeting*</td>
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<tr>
<td>12.00-17.30 Trade &amp; Professional Exhibition</td>
<td>09.00-17.30 Trade &amp; Professional Exhibition</td>
<td>09.00-13.30 Trade &amp; Professional Exhibition</td>
<td>09.00-17.30 Trade &amp; Professional Exhibition</td>
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<tr>
<td>12.00-17.30 Poster Exhibition</td>
<td>09.00-17.30 Poster Exhibition</td>
<td>09.00-13.30 Poster Exhibition</td>
<td>09.00-17.30 Poster Exhibition</td>
</tr>
<tr>
<td>20.00-23.00 Conference Dinner</td>
<td>20.00-22.00 Conference Reception at the Old Municipal Hospital &amp; Conference Photo</td>
<td>15.00 Tour of the Library</td>
<td>08.30-18.00 Conference Excursion to Ancient Olympia</td>
</tr>
<tr>
<td>20.00-23.00 Conference Dinner</td>
<td>20.00-22.00 Conference Reception at the Old Municipal Hospital &amp; Conference Photo</td>
<td>17.00-19.00 Visit to the Archaeological Museum</td>
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# Pre-Conference Programme

## Sunday 2 July 2017

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>13.30</td>
<td><strong>Leadership Seminar</strong>*</td>
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<td>Events Hall, 1st Floor, Library &amp; Information Centre</td>
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<tr>
<td>19.00</td>
<td><strong>Leadership Seminar</strong>*</td>
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<tr>
<td></td>
<td>Events Hall, 1st Floor, Library &amp; Information Centre</td>
</tr>
</tbody>
</table>

## Monday 3 July 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09.00-18.00</td>
<td><strong>Leadership Seminar</strong>*</td>
</tr>
<tr>
<td></td>
<td>Events Hall, 1st Floor, Library &amp; Information Centre</td>
</tr>
<tr>
<td>13.00-14.00</td>
<td><strong>LIBER Appointments Committee Meeting</strong>*</td>
</tr>
<tr>
<td></td>
<td>Seminar Room, 2nd Floor, Library &amp; Information Centre</td>
</tr>
<tr>
<td>14.00-15.30</td>
<td><strong>LIBER Finance Committee Meeting</strong>*</td>
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<td>Seminar Room, 2nd Floor, Library &amp; Information Centre</td>
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<tr>
<td>15.30-17.00</td>
<td><strong>LIBER Executive Board Meeting</strong>*</td>
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<td>Seminar Room, 2nd Floor, Library &amp; Information Centre</td>
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<tr>
<td>17.00-18.00</td>
<td><strong>Steering Committee Chairs</strong></td>
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<td>Seminar Room, 2nd Floor, Library &amp; Information Centre</td>
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## Tuesday 4 July 2017

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<tr>
<td>09.00-18.30</td>
<td><strong>Leadership Seminar</strong>*</td>
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<td>Events Hall, 1st Floor, Library &amp; Information Centre</td>
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<tr>
<td>09.00-12.30</td>
<td><strong>LIBER Executive Board Meeting</strong>*</td>
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<td>Room II 7, 1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>12.00-17.30</td>
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<td>Conference &amp; Cultural Centre Entrance</td>
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<tr>
<td>13.00-17.00</td>
<td><strong>LIBER Copyright Working Group Meeting</strong>*</td>
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<td>Room II 7, 1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>14.00-17.00</td>
<td><strong>LIBER Scholarly Communication and Research Infrastructures Steering Committee Meeting</strong>*</td>
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<td>Room II 6, 1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>14.00-17.00</td>
<td><strong>LIBER Reshaping the Research Library Steering Committee Meeting</strong></td>
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<td>Room II 8, 1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>14.00-17.00</td>
<td><strong>LIBER Metrics Working Group Meeting</strong>*</td>
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<td>Room I 12, Ground Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>15.00-17.00</td>
<td><strong>LIBER Advocacy and Communications Steering Committee Meeting</strong></td>
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<td>Room I 11, Ground Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>15.00-17.00</td>
<td><strong>LIBER Forum for Digital Cultural Heritage Meeting</strong></td>
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<td>Room I 10, Ground Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>16.00-18.00</td>
<td><strong>LIBER Leadership and Workforce Working Group Meeting</strong>*</td>
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<td>Room II 9, 1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>17.00-18.00</td>
<td><strong>LIBER Working Group on Digital Collections Meeting</strong></td>
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<td>Room II 7, 1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>19.30-21.00</td>
<td><strong>Guided Tour in Patras: Get to Know the City!</strong></td>
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* By invitation
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<td>08.30-18.00</td>
<td>Registration</td>
<td>Conference &amp; Cultural Centre Entrance</td>
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| 09.00-12.00 | **SPARC Europe and LIBER Open Access Working Group Joint Workshop** | Bridging the Gap between Policy and Practice: How Do We Make Open the Default?  
Room II 6 & II 8, 1st Floor, Conference & Cultural Centre |
| 09.00-12.00 | **Scholarly Communication and Research Infrastructures Workshop**   | Research Data Support Meets Disciplines: Opportunities and Challenges  
Room I 11, Ground Floor, Conference & Cultural Centre |
| 09.00-12.00 | **LIBER Digital Humanities Working Group Workshop**                 | The Digital Humanities Landscape in Europe  
Room II 9, 1st Floor, Conference & Cultural Centre |
| 09.00-12.00 | **LIBER Metrics Working Group Workshop**                            | How Libraries Can Get Started With Impact Metrics  
Room I 12, Ground Floor, Conference & Cultural Centre |
| 09.00-12.00 | **FutureTDM and OpenMinTeD Projects Workshop**                      | So You Want to Do Text and Data Mining? We Can Help You  
Room II 7, 1st Floor, Conference & Cultural Centre |
| 09.00-12.00 | **LIBER Digital Cultural Heritage Forum Workshop**                  | Managing Digital Estates: New Challenges for Libraries  
Room I 13, Ground Floor, Conference & Cultural Centre |
| 10.30-11.00 | **Coffee Break**                                                    | Foyer, Ground Floor                                                        |
| 12.00-13.00 | **Lunch**                                                           | Foyer, 1st Floor                                                           |
| 13.00-13.30 | **Opening Ceremony**                                               | Room I 1, Ground Floor, Conference & Cultural Centre                       |
|           | **Welcome From**                                                    |                                                                 |
|           | **Professor Venetsana Kyriazopoulou**, Rector of the University of Patras |                                                                 |
|           | **Welcome From**                                                    |                                                                 |
|           | **Maria Ntaountaki**, Board Member, Consortium of Hellenic Academic Libraries (HEAL-Link) |                                                                 |
|           | **Reply By**                                                        |                                                                 |
|           | **Kristiina Hormia-Poutanen**, LIBER President                      |                                                                 |
|           | **Opening of Meeting of Participants**                             |                                                                 |
| 13.30-14.15 | **Opening Keynote**                                                | Room I 1, Ground Floor, Conference & Cultural Centre                      |
|           | **Chair: Jeannette Frey**, BCU Lausanne, Switzerland               |                                                                 |
|           | **‘For Every Library Transforms’: A National Library in the Research Landscape** | Dr Filippos Tsimpoglou, Director-General, National Library of Greece |
| 14.15-14.45 | **Coffee Break**                                                   | Sponsored by InterOPTICS  
Foyer, Ground Floor |

**The Meeting of Participants is the Annual General Meeting of LIBER, and is open to all delegates.**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Chair</th>
<th>Authors/Institutions</th>
</tr>
</thead>
</table>
| 14.45-16.15  | **Session 1: Best Practices**                | Room I 1, Ground Floor, Conference & Cultural Centre | **Chair: Matthijs van Otegem**, Erasmus University Rotterdam, The Netherlands | **1.1 Research Data Management Policy Derived from Best Practices**  
Jacquelijn Ringersma, Wageningen University & Research, The Netherlands  
**1.2 The Role of Libraries in the Adoption of Research Data Management**  
Ingeborg Verheul, SURFsara, The Netherlands  
Jacquelijn Ringersma, Wageningen University & Research, The Netherlands  
**1.3 Research Data Management Practices at the University of Tartu**  
Lilian Neerut, University of Tartu, Estonia |
| 14.45-16.15  | **Session 2: Strategy**                      | Room I 10, Ground Floor, Conference & Cultural Centre | **Chair: Hilde van Wijngaarden**, Vrije Universiteit Amsterdam, The Netherlands | **2.1 The Interactive Library as a Virtual Working Space**  
Andreas Degkwitz, Humboldt-University Berlin, Germany  
**2.2 ETH Zurich's University Collections and Archives in the Digital Age: Innovative Indexing, Digitisation and Publication of Unique Materials**  
Stefan Wiederkehr, ETH Zurich, Switzerland  
**2.3 A Transition to Fair Open Access with Return on Investment: LingOA, MathOA & PsyOA**  
Saskia de Vries, Sampan – Academia & Publishing, The Netherlands  
Johan Rooyck, Leiden University, The Netherlands  
Martin Paul Eve, Birkbeck, University of London, UK |
| 14.45-16.15  | **Session 3: Digital Humanities**            | Room I 12, Ground Floor, Conference & Cultural Centre | **Chair: Raf Dekeyser**, Leuven University, Belgium | **3.1 Metadata 2020: Will Richer Metadata Rescue Research?**  
Rachael Lammey, Crossref, UK  
**3.2 Digital Humanities Clinics – Leading Dutch Librarians into DH**  
Lotte Wilms, National Library of the Netherlands, The Netherlands  
Michiel Cock, Vrije Universiteit Amsterdam, The Netherlands  
Ben Companjen, Leiden University, The Netherlands  
**3.3 Capturing the Transitional Moment: Greek Humanities Research and Open Access**  
Anna-Maria Sichani, University of Ioannina, Greece / Huygens ING, The Netherlands  
Irakleitos Souyioultzoglou, Panteion University of Athens / National Documentation Centre |
| 14.45-16.15  | **Session 4: Staff Education**               | Room I 13, Ground Floor, Conference & Cultural Centre | **Chair: Cécile Swiatek**, Bibliothèque de l'université Paris II Panthéon-Assas, France | **4.1 Applying Bourdieu's Field Theory to MLS Curricula Development**  
Charlotte Nordahl Wien and Bertil Fabricius Dorch, The University Library of Southern Denmark, Denmark  
**4.2 Getting You Fit for the Open Age! The FOSTER+ Open Science Trainer Bootcamp**  
Friedel Grant and Martine Oudenhoven, LIBER, The Netherlands  
**4.3 The Perks and Challenges of Drawing Maps and Walking at the Same Time – Lessons Learned by Stockholm University Library Management**  
Birgitta Hellmark Lindgren and Wilhelm Widmark, Stockholm University Library, Sweden |
| 16.30-17.30  | **Knowledge Café: The LIBER Strategy 2018-2022 Roadmap** | Rooms I 10 & I 11, Ground Floor, Conference & Cultural Centre | **Chair: Hilde van Wijngaarden**, Vrije Universiteit Amsterdam, The Netherlands | **Conference Dinner**  
French's Villa (Villa tou Gallou), Alexiou Despotopoulou 2, Vrachneika, Patras |
## THURSDAY 6 JULY 2017

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
<th>Chair/Presenter</th>
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<tr>
<td>08.30-18.00</td>
<td>Registration</td>
<td>Conference</td>
<td>Conference &amp; Cultural Centre Entrance</td>
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<tr>
<td>09.00-10.30</td>
<td><strong>Session 5: The Future Role for Libraries</strong></td>
<td>Room I 1</td>
<td><em>Chair: Adam Sofronijević</em>, Belgrade University Library, Serbia</td>
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<td><strong>5.1 'The Empires of the Future are the Empires of the Mind’ [Winston Churchill]: Defining the Role of Libraries in the Open Science Landscape</strong></td>
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<td>Paul Ayris, UCL, UK, Tiberius Ignat, Scientific Knowledge Services, Switzerland</td>
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<td></td>
<td><strong>5.2 How to Reach a Wider Audience with Open Access Publishing: What Research Universities Can Learn from Universities of Applied Sciences</strong></td>
<td></td>
<td>Saskia Woutersen-Windhouver, University of Amsterdam, The Netherlands</td>
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<td><strong>5.3 Risk Aversion Narrows the Future of Libraries</strong></td>
<td></td>
<td>Jaroen Kuijper, Amsterdam University of Applied Sciences, The Netherlands</td>
</tr>
<tr>
<td>09.00-10.30</td>
<td><strong>Session 6: Models and Metrics</strong></td>
<td>Room I 10</td>
<td><em>Chair: Birgit Schmidt</em>, Göttingen State and University Library, Germany</td>
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<td><strong>6.1 Knowledge Exchange Consensus: Monitoring of Open Access Publications and Cost Data</strong></td>
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<td>Michael Svendsen, Royal Danish Library, Denmark</td>
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<td><strong>6.2 COUNTER Standards for Open Access: The Value of Measuring/The Measuring of Value</strong></td>
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<td>Christian H. Thomasen, Knowledge Exchange, Denmark</td>
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<td>Marjo Kuusela, University of Helsinki, Finland</td>
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<tr>
<td>09.00-10.30</td>
<td><strong>Session 7: Making the Most of a Copyright Exception</strong></td>
<td>Room I 12</td>
<td><em>Chair: Wilhelm Widmark</em>, Stockholm University Library, Sweden</td>
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<td><strong>7.1 Text and Data Mining : Making the Most of a Copyright Exception</strong></td>
<td></td>
<td>Julien Roche, University Lille 1, France</td>
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<td><strong>7.3 LibChain – Open, Verifiable and Anonymous Access Management</strong></td>
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<td>Lara Speicher, UCL Press, London, UK</td>
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<td>Juan Cabello, Peter Janacik, Gerrit Janßen, Tim Jungnickel, Alexander Mühle, TU Berlin, Germany</td>
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<tr>
<td>09.00-10.30</td>
<td><strong>Session 8: Organisational Change</strong></td>
<td>Room I 13</td>
<td><em>Chair: Andris Vilks</em>, National Library of Latvia, Latvia</td>
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<td><strong>8.1 Open Science is Built on Trust ... How About Our Library Organisation?</strong></td>
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<td>Matthijs van Otegem, Erasmus University Rotterdam, The Netherlands</td>
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<td><strong>8.2 OER Librarians Facilitating Open Science</strong></td>
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<td>Hilde van Wijngaarden, Vrije Universiteit Amsterdam, The Netherlands</td>
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<td><strong>8.3 Growing a Culture for Change at The University of Manchester Library</strong></td>
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<td>Penny Hicks, The University of Manchester Library, UK</td>
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<td>10.30-11.00</td>
<td><strong>Coffee Break</strong></td>
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<td>Sponsored by DOAJ &amp; DOAB</td>
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<td>11.00-11.45</td>
<td><strong>Plenary Session</strong></td>
<td>Room I 1</td>
<td>Ground Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>11.45-12.15</td>
<td><strong>Sponsor: Strategy Update</strong></td>
<td>Room I 1</td>
<td>Ground Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>12.15-12.30</td>
<td><strong>Poster Session I: Poster Presentations</strong></td>
<td>Room I 1</td>
<td>Ground Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>12.30-13.30</td>
<td>Lunch</td>
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<td>Foyer, 1st Floor</td>
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<tr>
<td>12.45-13.30</td>
<td><strong>Conference Programme Committee Meeting</strong></td>
<td>Room II 7</td>
<td>1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>13.30-14.30</td>
<td><strong>Panel Session</strong></td>
<td>Room I 1</td>
<td>Ground Floor, Conference &amp; Cultural Centre</td>
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<td>14.30-15.00</td>
<td><strong>Sponsor: Strategy Update</strong></td>
<td>Room I 1</td>
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<td>15.00-15.30</td>
<td>Coffee Break</td>
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<td>15.30-16.15</td>
<td><strong>Plenary Session</strong></td>
<td>Room I 1</td>
<td>Ground Floor, Conference &amp; Cultural Centre</td>
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<td>16.15-16.30</td>
<td><strong>Poster Session II: Poster Presentations</strong></td>
<td>Room I 1</td>
<td>Ground Floor, Conference &amp; Cultural Centre</td>
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<td>16.30-17.45</td>
<td><strong>Meeting of Participants</strong></td>
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<td>Ground Floor, Conference &amp; Cultural Centre</td>
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<td>17.45-18.45</td>
<td><strong>LIBER Executive Board Meeting</strong></td>
<td>Room II 7</td>
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<tr>
<td>20.00-22.00</td>
<td><strong>Conference Reception</strong></td>
<td>Old Municipal Hospital, Plateia Koryllou 2, Patras</td>
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<td>08.30-12.30</td>
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<td>09.00-10.30</td>
<td>Session 9: Open Infrastructures</td>
<td>Room I 1, GF</td>
<td>Martin Moyle, UCL, UK</td>
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<td>09.00-10.30</td>
<td>Session 10: Sustainability</td>
<td>Room I 10, GF</td>
<td>Emilie Barthet, Lyon 3, France</td>
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<td>09.00-10.30</td>
<td>Session 11: Linking Data</td>
<td>Room I 12, GF</td>
<td>Liisi Lembinen, Estonia</td>
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<td>09.00-10.30</td>
<td>Session 12: Student-Centred Services</td>
<td>Room I 13, GF</td>
<td>Giannis Tsakonas, Patras</td>
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<td>10.30-11.00</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>11.00-11.45</td>
<td><strong>Plenary Session</strong></td>
<td>Room I 1, Ground Floor, Conference &amp; Cultural Centre</td>
<td><strong>Chair: Giannis Tsakonas</strong>, University of Patras</td>
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<td></td>
<td>EU Copyright Reform: Delivering on Sustainable Knowledge?</td>
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<td>Invited Speaker: <strong>Ms Julia Reda</strong>, Member of the European Parliament</td>
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<td>11.45-12.00</td>
<td><strong>Library Innovation Awards</strong></td>
<td>Room I 1, Ground Floor, Conference &amp; Cultural Centre</td>
<td><strong>Sponsored by OCLC</strong></td>
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<td>Chair: <strong>Jeannette Frey</strong>, BCU Lausanne, Switzerland</td>
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<td>12.00-12.30</td>
<td><strong>Sponsor: Strategy Update</strong></td>
<td>Room I 1, Ground Floor, Conference &amp; Cultural Centre</td>
<td><strong>Chair: Wolfram Horstmann</strong>, Göttingen State and University Library, Germany</td>
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<td>Moving Beyond Research Data Management to Research Showcasing, Teaching Support, Conference Management and Cultural Heritage</td>
<td></td>
<td><strong>Terry Bucknell</strong>, Digital Science</td>
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<tr>
<td>12.30-12.45</td>
<td><strong>Conference Closing Ceremony</strong></td>
<td>Room I 1, Ground Floor, Conference &amp; Cultural Centre</td>
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<td>12.45-14.00</td>
<td><strong>Lunch and Closing Reception</strong></td>
<td>Foyer, 1st Floor</td>
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<tr>
<td>14.00-15.30</td>
<td><strong>LIBER Quarterly Editorial Board</strong></td>
<td>Room II 7, 1st Floor, Conference &amp; Cultural Centre</td>
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<tr>
<td>15.00</td>
<td><strong>Tour of the Library</strong></td>
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<td>17.00-19.00</td>
<td><strong>Visit to the Archaeological Museum</strong></td>
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**SATURDAY 8 JULY 2017**

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<th>Time</th>
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<tr>
<td>08.30-18.00</td>
<td><strong>Visit to Ancient Olympia</strong></td>
<td>Leave Patras from Plateia Trion Navarchon, next to the Central Train Station.</td>
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</tbody>
</table>
1. **French Academic Libraries: Acting and Supporting for the Digital Transformation of Pedagogy, Research and Documentation in Higher Education**
   Cécile Swiatek, ADBU, France

2. **Out-of-the-Box Thinking Around in Library-Use Data Collection: the Case of Spanish University Libraries**
   Stavroula Sant-Geronikolou, University Carlos III of Madrid, Spain

3. **Open Access and Open Data at a Research Library: PUBLISSO by ZB MED**
   Ursula Arning, ZB MED - Information Centre for the Life Sciences, Germany

4. **OpenMinTeD: Towards a Sustainable Infrastructure for Text and Data Mining**
   Martine Oudenhoven, LIBER, The Netherlands

5. **Information Literacy Online: An Erasmus+ Project to Improve Students’ Competencies**
   Stefan Dreisiebner and Christian Schlägl, University of Graz, Austria; Thomas Mandl, University of Hildesheim, Germany; Maja Zumer and Tanja Merćun Kariž, University of Ljubljana, Slovenia; Franjo Pehar, Mate Juric and Ivanka Strievic, University of Zadar, Croatia; Cristóbal Urbano, University of Barcelona, Spain; Lyn Robinson, City University of London, UK; Alexander Botte and Paul Libbrecht, German Institute for International Educational Research, Germany

6. **To Facilitate the Workflow and the Innovation around an Open Archive: HAL-Related Applications**
   Christine Berthaud, Agnès Magron and Yannick Barborini, The National Centre for Scientific Research (CNRS-France), France, CCSD

7. **Standardisation and Digitisation: Precious Bookbindings and Tibetan Book Covers**
   Claudia Fabian, Bayerische Staatsbibliothek, Germany

8. **The Use Case of Austria - Towards the European Science Cloud: Research Libraries Taking Leadership in Forming Digital Research infrastructures on a National Scale**
   Paolo Budroni, Raman Ganguly and Barbara Sánchez Solís, University of Vienna, Austria

9. **EUDAT Research Data Management Support for Libraries**
   Hilary Hanahoe, Trust-IT Services Ltd, UK; Vasso Kalatzis, LIBER, The Netherlands

10. **OpenUP: Opening Up New Channels for Scholarly Review, Dissemination, and Assessment**
    Michela Vignoli, AIT-Austrian Institute of Technology, Austria

11. **FutureTDM**
    Keira McNeice, The British Library, UK

12. **LEARN: Addressing Research Data Management Needs**
    Friedel Grant, LIBER, The Netherlands; Paul Ayris, UCL, UK

13. **Knowledge Sharing Across Campuses at SDU and the Evolving Role of the Library**
    Najmeh Shaghaei, The University of Southern Denmark, Denmark

14. **The Engagement Component for a Successful Pan-European Open Science Infrastructure: Shaping Discourse and Engaging Stakeholders from a Research Library’s perspective**
    Simone Sacchi, LIBER, The Netherlands

15. **Open Knowledge Maps: A Visual Interface to the World’s Scientific Knowledge**
    Peter Kraker, Know-Center, Austria

16. **National Projects Revolutionising Romania: The End and the Beginning of a Road to build a Scientific Documentation and Information System**
    Ivona Olariu, ‘Mihai Eminescu’ Central University Library, Iasi, and Anelis Plus Romanian National Consortium, Romania

17. **Creating Tomorrow's History: Examples of How Grassroots Global Digitisation Programs are Changing our World View**
    Ariana C.Kaleta, St John's University, USA

18. **Developing Research Data Services for an Emerging Open Science Culture that Lacks National Policies and Guidelines**
    Maria Johnsson and Monica Lassi, Lund University Library, Sweden

19. **Digital Competences, Strategic Assets for Undergraduate Students in Spain: REBIUN (Network of Spanish University Libraries) from CRUE (Council of Spanish University Presidents)**
    Teresa Malo de Molina, REBIUN Network of Spanish University Libraries, Spain

20. **University Library and Publishing House Synergy as a Solution to the Academic Publishing Puzzle**
    Iva Adlertová, Central Library, Czech Technical University in Prague and Lenka Němečková, Institute of Information Studies and Librarianship, Faculty of Arts, Charles University in Prague, Czech Republic

    Nathalie Fargier, Persée, France

22. **Increasing Access to Electronic Resources for Scientific and Technical Information - E-resources**
    Alisa Martek, National and University Library in Zagreb, Croatia
**Workshops**

**Wednesday 5 July 2017**

**09.00-12.00**

**BRIDGING THE GAP BETWEEN POLICY AND PRACTICE: HOW DO WE MAKE OPEN THE DEFAULT?**

SPARC Europe and LIBER Open Access Working Group Joint Workshop

Room II 6 & Room II 8, 1st Floor, Conference & Cultural Centre

Numerous international, national and local initiatives are contributing to making Open Access/Open Data the default; but we’re still not there yet. This workshop aims at collecting good practices, examples and current issues that relate to our reaching this goal in order to give delegates an idea of how Open Access/Open Data can be implemented in their countries, consortia or institutions. During this workshop, we will focus on four questions or conundrums:

1. How can institutions engage more with researchers to enable more OA/OD sharing?
2. How can we simplify the process of publishing OA/OD for researchers and/or administrators?
3. How can institutions reward researchers for contributing more to OA/OD?
4. How can institutions take more of a lead in the dissemination of their own research information?

During the session, we look forward to facilitating the sharing of good practices around these four themes, and to providing concrete take-aways to help achieve greater open access to publications and open data in your institution or country. We are also interested in hearing from you on what still needs to be done in these four areas based on your particular perspective and experiences.

This workshop is an opportunity to meet old friends and make new ones in the context of resolving common challenges together. LIBER and SPARC Europe invite you to join us!

**09.00-12.00**

**RESEARCH DATA SUPPORT MEETS DISCIPLINES: OPPORTUNITIES & CHALLENGES**

Scholarly Communication and Research Infrastructures Workshop

Room I 11, Ground Floor, Conference & Cultural Centre

Research data services address various needs of researchers across the research data lifecycle. In this workshop we will further investigate how libraries can step into direct support and collaborative roles with researchers and research groups. Immediately, disciplinary differences will play an important role and specific needs have to be made explicit and addressed. The workshop will offer insights into a range of use cases and lessons learned from working with researchers from the humanities, natural sciences and social sciences (aka alpha, beta and gamma sciences).

In addition, legal issues increasingly are an important challenge for research libraries offering research data services. In particular, as the EU’s General Data Protection Regulation comes into force in 2018, the processing and movement of personal data will be affected, and other legal aspects of research data will need to be addressed.

The following questions are targeted in the workshop:

- How to link up with researchers, and how can their work environments be connected with research data management services and tools?
- What roles are libraries assuming in collaborations, what are the according opportunities and challenges (e.g. embedded data librarian)?
- What organisational structures work best? Whom to work with, and what needs have been identified in these collaborations?
- What legal challenges can be foreseen for the implementation of the EU Data protection regulation, what discipline-specific issues arise and how can research data services provide support?
**09.00-12.00**

**THE DIGITAL HUMANITIES LANDSCAPE IN EUROPE**

**LIBER Digital Humanities Working Group Workshop**

Room II 9, 1st Floor, Conference & Cultural Centre

During this kick-off workshop by the LIBER Digital Humanities Working Group, we will explore the current practices of libraries engaged in Digital Humanities (DH) in various stages. A panel of librarians from university and national libraries will highlight their experiences during a panel session moderated by a DH researcher. The aim of the working group is to form a knowledge network of libraries in DH throughout Europe, and we therefore invite participants of the workshop actively to contribute to the workshop in table discussions led by panel members, under topics such as ‘Skill Building in DH’; ‘Access to Digital Collections’; and ‘(Inter)national Collaboration with Researchers’.

Besides being a wonderful networking opportunity to share experiences and knowledge, this workshop will serve as input for the activities of the LIBER Working Group on Digital Humanities, such as the DH in Libraries FAQs, best and worst practices, and the report on the state of the art in DH in European research libraries. Plans and activities for the coming two years will be presented at the workshop.

**09.00-12.00**

**HOW LIBRARIES CAN GET STARTED WITH IMPACT METRICS**

**LIBER Metrics Working Group Workshop**

Room I 12, Ground Floor, Conference & Cultural Centre

Over the course of this past year, the Metrics Working Group has worked towards compiling recommendations on how libraries can get started with impact metrics. These recommendations target the broad scope of Metrics (including new ways of quantifying scientific impact, such as altmetrics) with a view towards research libraries active in and beyond LIBER. The Leiden Manifesto for research assessment served as a starting point for translating its general recommendations into more practical ones that are applicable to libraries’ actual working environments. The Working Group also formulated recommendations on how to use Metrics in other areas, for example, for discovery or showcasing research. The recommendations are accompanied by preliminary information on the respective target group(s), as well as by additional resources and tools that assist in becoming familiar with Metrics.

At this LIBER Annual Conference Workshop, we will present and discuss the draft recommendations with the LIBER community, present various use cases for Metrics services, and engage participants in interactive workshop elements. It is also planned to invite participants in working groups and/or projects that are exploring similar territory to present their work (e.g. NISO WG on Altmetrics, EU Open Science Policy Platform, COAR, OpenUP, *metrics, etc.).

The interactive part will engage participants to:
- Assess the priorities of the recommendations
- Define target groups of the recommendations
- Discuss the effort required to make recommendations work
- Collect best practices
- Collect additional resources about Metrics

The feedback from the workshop will feed into the final recommendations that the Working Group will present to the LIBER Executive Board after the Annual Conference. The final deliverable will be distributed to LIBER Libraries and published online (OA) to spark further discussion and provide guidelines.
SO YOU WANT TO DO TEXT AND DATA MINING? WE’LL TELL YOU HOW
FutureTDM and OpenMinTeD Projects Workshop
Room II 7, 1st Floor, Conference & Cultural Centre

The exponential growth of data in the digital age has led to the development of powerful techniques for effectively harnessing digital information and discovering new knowledge. In this context, text and data mining (TDM) enables researchers and others to analyse, extract insights and knowledge, and exploit diverse and complex datasets from various digital media. Libraries – powering sustainable knowledge in the digital age – are already at the forefront of this technological opportunity.

Because the present use of TDM in Europe is significantly lower than in the US and Asia, two EU Commission-funded projects are in the process of identifying and reducing the barriers that inhibit the uptake of TDM within Europe.

- OpenMinTeD seeks to improve the technical environment for TDM use
- FutureTDM seeks to improve the policy environment for TDM use

These projects have been gathering evidence on the ground, talking to the TDM community (including libraries). They have now set out policy and practical solutions that can help the library sector to take advantage of this technology.

The purpose of the workshop is to let Annual Conference participants know about the findings, including guidelines for the library sector, and where librarians can go for help and advice on text and data mining opportunities. The event is aimed as much at people who are new to the subject as to those with more in-depth knowledge. We kick off the session with a presentation on the trials, tribulations and opportunities for libraries negotiating their way around TDM in practice. We then include an opportunity for participants to try text and data mining for themselves through a hands-on tutorial.

MANAGING DIGITAL ESTATES: NEW CHALLENGES FOR LIBRARIES
LIBER Digital Cultural Heritage Forum
Room I 13, Ground Floor, Conference & Cultural Centre

Preserving the literary, musical and scientific heritage of past centuries has always been at the core of national, regional and academic libraries’ missions. Today’s writers, composers and scientists are no longer using the pen but the computer to compose their work, challenging libraries to develop the appropriate strategy to preserve digital manuscripts and other kinds of documents related to the act of creation, from the basic text file to emails and even text messages sent and received by authors.

This session intends to explore the answers libraries have put in place to respond to this challenge. We invite contributions from libraries which have already deployed operational solutions to address the management of digital estates, meaning the documents created by a person through her/his professional activity, to present these solutions and also the methodology and choices they implemented in the course of this process. Among the questions for which we would welcome inspiring views and experiences are the following:

Is the traditional ‘manuscripts department’ now also in charge of managing ‘digital manuscripts’, or has a new service been formed specifically, and where is it located within the institution’s organisation? What kind of competences are required, and how have competent staff been trained or recruited? Are the catalogues the same for analogue and digital manuscripts and archives? Are specific bibliographical formats or metadata required? Are the tools used to manage the files the same as those used for the digital library or the institutional repository? What specific challenges do emails, text messages, or other social content present? Do easy-to-use technical solutions exist that could be shared among libraries? Does literary creation present the same issues as scientific or musical creation? How are copyright challenges addressed?

Detailed Workshop Programmes can be found at http://liber2017.lis.upatras.gr/workshops/
Abstracts & Presenter Profiles
The National Library of Greece is in transition. Leaving its old classical premises for a new building in the Stavros Niarchos Foundation Cultural Centre is only the start of what will gradually be a major transformation. It is will be something of a marathon to cover lost miles in the field of essential library services and, at the same time, it will be an exploration to find what a modern National Library can do to fulfill its international mission, and provide services for the citizens of its country. This address will illustrate the scope of the transformation, and the actions taken by the National Library to accommodate research and scholarly communication in a diversified setting. But, as well as this, the talk will provide insights on what National Libraries can do for research and scholarly communication. For, every Library transforms!

Filippos Tsimpoglou has a PhD in Library and Information Science from the Ionian University (2005), and a BSc in Economics from Athens University of Economics and Business (1983). He was Director of Cyprus University Library, and an ex officio member of the Cyprus University Senate from 1999 to 2014. He served as Head of three Departments at the National Documentation Centre of Greece/Hellenic Research Foundation (1983-1999), where he managed major EU framework and development programmes. In 2008 he published a book on Collaborations between Libraries: A Systemic Approach. He has also published numerous articles for international scientific journals, books and conferences. In 2014 he became Director-General of the National Library of Greece, and Head of the historic Library relocation project to the Stavros Niarchos Foundation Cultural Centre. He also leads on the development of digital services, which will enable the Library to enter the digital era, and innovative services to strengthen and expand the core mission of the National Library.

Wageningen University & Research (WUR) has had a Research Data Management (RDM) Policy since 2014. All PhD students and University Chair Groups must have a Data Management Plan (DMP). In a DMP they describe which data will be collected during a project, where the data will be stored during the project, and where it will be archived when the project is finished. The DMP also defines the data sharing policy for each project (open or restricted access). In 2016 the WUR Board evaluated the policy, and concluded that although most PhD students and Chair Groups had indeed made a DMP, the implementation of the Plans fell short, because guidelines for data storage and data archiving or registration were still lacking.

The WUR Data Management Support Unit was asked to give advice on guidelines for data storage and data archiving and registration. This presentation describes how we based this advice on existing frameworks and principles, as well as on the diversity and best practices in our organisation. The advice had to take existing frameworks (the National Code of Conduct for Scientific Practice) and FAIR data principles into account. Two FAIR principles (Findable and Accessible) can easily be matched to this CoC. We translated these frameworks and principles to criteria for data storage and data archiving, and matched these criteria to existing solutions for storage and archiving. These solutions could be either internal to Wageningen University & Research, or infrastructure offered externally.

More importantly, the advice had to be based on the diversity in the organisation and current best practice. We decided to explore this by selecting a number of use cases and carrying out interviews. For the use cases, we asked members of the graduate schools and scientific units for examples. In total, we got around 20 data use cases, from which we selected twelve to interview on their data storage, data archiving and registration practices. The variables on which we based the selection were the scientific domain, the complexity of the co-operation in their research, the sensitivity of the data, the duration of the project and the data storage capacity (size) required.
To our surprise, the interview results led us to viable and pragmatic data storage solutions, which can be easily implemented in the whole organisation, since most of the infrastructure is already in place. It was also not very difficult to present advice for data archiving and registration based on the selected data use cases. Using best practices as the basis for our advice increased the enthusiasm for the recommended storage and archiving requirements and solutions. We expect that this approach will contribute to a higher adoption of viable RDM practices. We hope that other universities and their libraries can benefit from our experience.

Jacqueline Ringersma is Head of the Digital Production Centre in the WUR Library. Research Data Management has been her topic of special interest for over ten years. She is Chair of one of the working groups set up by the National Coordination Point for RDM in the Netherlands, and a member of the Advisory Board for Sustainable Data. Within WUR, she is programme leader of the RDM Taskforce.

1.2 The Role of Libraries in the Adoption of Research Data Management

Ingeborg Verheul
SURFsara, The Netherlands

Jacqueline Ringersma
Wageningen University & Research, The Netherlands

The first societal demands for Research Data Management (RDM) were heard about five years ago. Since then, RDM has been a topic of growing interest for universities and their library & IT services. The motivations for RDM were, and still are: scientific integrity, improvement of the verification process, research continuity and financial/funding. In the Netherlands, most University Libraries played a major role in RDM awareness amongst researchers. Libraries developed a series of RDM services, and at the same time built RDM capacity in their Library staff.

At the same time, a national initiative to facilitate cooperation, knowledge sharing and enhancing the development of RDM-policy was launched in the Netherlands, in the form of the National Coordination Point Research Data Management (https://www.surf.nl/en/lcrdm). University libraries are the linking pins in the current working groups of the LCRDM, who work at a national level on topics such as legal aspects and ownership of RDM, financing of RDM, facilities and data infrastructure for RDM, research support and advice and awareness raising/engagement. However, despite the efforts and growing awareness, we still observe a relatively low adoption of RDM by the scientific community.

Our presentation is twofold. After an introduction of the national initiative in the Netherlands and a comparison with national initiatives in the UK and Germany we want to dive deeper into the issue of how libraries can contribute to a better adoption of RDM by research communities through improved RDM services, facilitating the findability (and re-use) of data, and communication. Libraries cannot work alone in achieving this. In our presentation we show that collaboration with IT, Legal Services and the Research Community is a pre-requisite to successful RDM adoption, both at a national level and within individual universities. In our presentation we give some concrete working examples, based on experience in Wageningen University, especially on how the Library at Wageningen University & Research facilitates the registration of research data, thus making the data findable and citable.

RDM services cannot be developed by libraries only. Close and trusted collaboration with IT services and legal/policy services is required. RDM demands many types of expertise. We show how to create a collaborative Data Management Support Unit, in which all three services work together, with a single point of entry for the researcher.

Finally, an increased adoption of RDM can only be achieved when we communicate a lot - and not just within the Library community, but with our researchers! The main sender of the message is however, preferably not the Library or the IT services, but the research community themselves. To obtain this, we work closely together with the Graduate Schools, who take the lead in the communication.

Ingeborg Verheul studied Dutch Languages and Literature and Library Science in Amsterdam. She currently works at SURFsara as Co-ordinator of the National Coordination Point Research Data Management and Team Leader of the Data Management Services Group. She has an extensive ca-
reer in the library world and cultural heritage sector, and previously worked in the University Library of Amsterdam, The Koninklijke Bibliotheek (the National Library of the Netherlands), IFLA (the International Federation of Library Associations and Institutions) and at Atria (Institute on Gender Equality and Women’s History in the Netherlands). She has broad experience in management, setting up national and international co-operative initiatives in the Netherlands.

1.3 Research Data Management Practices at the University of Tartu

Lilian Neerut
University of Tartu, Estonia

A paradigm shift in thinking about open science has resulted in the development of open science policies all over the world. Funders of science have taken a firm initiative, because they expect the projects they are financing to bring maximum long-term benefit for society. In the academic world, the key role is performed by researchers. Research publications and the underlying data are a researcher’s most valuable assets, determining their academic career. The quality of research results can only adequately be measured when the underlying data can be accessed, interpreted and re-used either in replicate research or as a basis for new hypotheses. Today, the obvious and personal benefits of the researcher in sharing their research data are rather small; mostly, researchers are aware of the loss of time and resources related to archiving and sharing of data.

In Estonia, open science policy is still largely in formation. Since 2009, the University of Tartu Library has been advocating the principles of open science. The Library joined DataCite in 2015 and started to offer research data management-related services and training courses to Estonian librarians and researchers. The practices of research data management in Estonia have not yet been thoroughly studied and established. A web-based pilot survey ‘Research Data Management and Sharing Practices among the University of Tartu Researchers and Doctoral Students in the Fields of Natural and Exact Sciences and Social Sciences’ was carried out in spring 2016. The results were analysed by quantitative methods.

The survey and analysis were motivated by the need for mapping and recording how University of Tartu research-
2.1 The Interactive Library as a Virtual Working Space

Andreas Degkwitz
Humboldt-University Berlin, Germany

The internet and new digital media are challenging the traditional organisation of academic libraries and enabling new capabilities of information provisioning, as well as new shapes of collaboration, between librarians and users. To respond to the demands and expectations of the many users whose information behaviour is heavily influenced by the internet, a new organisation model for academic libraries should be created. The aim of the project ‘The Interactive Library as a Virtual Working Space’ is to analyse and identify the organisational and technical requirements for the future model for libraries, which is based on the digital potential of the internet and digital media. The result of the project will be a pilot study on the interactive, virtual library as the future organisation for libraries. The logistic of printed books and journals has influenced the processes and structures of libraries since the age of Gutenberg. These processes like acquisition, cataloguing, circulation, short- and long-term availability, are based on linear, operational structures concerning the library itself. However, the logistic patterns of digital materials are collaborative, interactive, multimedia and networked globally. Even in digital libraries the organisation and workflows of libraries are still related to traditional patterns. Utilising the potential of digitisation, we can shape the future library model as an interactive virtual working space. The Digital Public Library of America, the German Digital Library, Europeana, HathiTrust, Internet Archive, and many other hubs and platforms like Google Scholar, Mendeley and Wikipedia are not interactive libraries in principle. But these information hubs and data platforms demonstrate collaborative and interactive approaches, components and procedures of virtual working spaces, to which digital libraries should aspire. The work packages for the pilot study are: (1) Analysing the organisation models of selected data and information platforms (private/public) by defined criteria; (2) designing the organisational framework; and (3) identifying the technical requirements. The paper will present some fundamental considerations about the model for the library of the future and the first steps of the project. The project approach is inspired by the following research results:


Andreas Degkwitz is the Chief Librarian of the Humboldt University of Berlin and Honorary Professor for Information Science at Potsdam University for Applied Sciences. From 2004 to 2011 he was the Chief-Information-Officer of the Brandenburg Technical University of Cottbus. From 1998 to 2003 he was the Deputy Director of the Library of Potsdam University. From 1991 to 1998 he worked as a consultant for library affairs at the German Research Society.

2.2 ETH Zurich’s University Collections and Archives in the Digital Age: Innovative Indexing, Digitisation and Publication of Unique Materials

Stefan Wiederkehr, ETH Zurich, Switzerland

ETH Zurich’s university collections and archives cover around twenty facilities. Their diversity reflects the historic development of collections at the university, and its modern potential for research and teaching. ETH Zurich makes its collections and archives available for research and teaching in a form that befits the digital age. To this end, it combines ETH Library's skills in information science with the expertise of the collection owners in the departments in accordance with the Strategy 2015–2020, which was passed by the Executive Board.

The Strategy 2015-2020 is based on the view that the duties of libraries, archives and scientific collections are converging in the digital age. The hallmark of user-oriented services is the spatially and temporally unlimited availability of digital objects with high-quality metadata. The scientific community is currently re-discovering analogue research data in university collections. Its transformation into the digital age aids both research and teaching and paves the way for innovative questions.
This paper presents the strategic approach of ETH Zurich’s Executive Board, and focuses on the role of ETH Library:

- establishing a digital infrastructure for scientific object collections as a central service
- conducting broad-based indexing and digitisation projects in co-operation with the collection owners with a view to improving accessibility significantly for research and teaching
- establishing attractive platforms for the general public and the interaction with users
- offering advice while using the collections and archives for scientific marketing
- offering advice and implementing measures in the fields of preventive conservation and restoration within the scope of protecting cultural assets
- offering advice to the Executive Board in the continual improvement of the organisational structures for the administration and further development of the collections.

Stefan Wiederkehr is the Head of Collections and Archives at ETH Library, Zurich (Switzerland).

2.3 A Transition to Fair Open Access with Return on Investment: LingOA, MathOA & PsyOA

Saskia de Vries
Sampan - Academic & Publishing, The Netherlands
Johan Rooryck
Leiden University, The Netherlands
Martin Paul Eve
Birkbeck, University of London, UK

On 27 May 2016, the EU Council proposed that a move to full open access should be achieved by 2020. Clearly, new publishing models are needed if the transition to open access is to be both swift and affordable. Various routes are being explored at the moment, from OA offsetting deals with commercial publishers to transitioning existing subscription journals to an open access model.

Linguistics in Open Access (LingOA) is an example of the latter route. LingOA aims at switching prestigious journals in linguistics from subscription to Fair Open Access. In this endeavour, the LingOA journals are supported for five years by a grant from The Netherlands, while their long-term financial sustainability is assured by the consortial library model of the Open Library of Humanities (OLH).

At this moment, the LingOA Fair Open Access transition model is being extended to two other disciplines, mathematics and psychology.

Our new programmes consist of three elements:
1. Creating a MathOA and a PsyOA foundation alongside LingOA.
2. Flipping journals in mathematics, psychology, and linguistics through partnerships with a range of publishers.
3. Making use of a consortium of libraries on the model of the Open Library of Humanities (OLH) for long-term underwriting of APCs, market price-pressure, and sustainability.

The Fair Open Access (FAO) model is designed to provide three core features:

- A transition to Open Access under favourable terms (Fair Open Access): MathOA and PsyOA will closely follow the structure set up by LingOA: journal editors and experts in the respective fields will lead both organisations, convincing other editors of the need to move to Fair Open Access by using their personal networks and by setting the same conditions designed to ensure that publishers do not exert undue control over publication venues, see www.lingoa.eu.

- Achieving a transition to OA with a range of publishers: Applications to publish journals in Fair Open Access are available to any publisher who can meet the conditions set out by LingOA. Recent partnerships between LingOA, OLH, Ubiquity Press, Pacini (It) and the University of Wales Press demonstrate the viability of such partnerships.

- Market price sensitivity and competition to provide cost benefits and achieve Return on Investment: The current scholarly communications environment is poor at providing downward pressure on costs for APCs. In the LingOA model, the OLH in-house publishing operation provides a comparison price point for the cost of publishing that other publishers are asked to match. This means that Fair Open Access is not only about flipping prestigious subscription journals to Open Access, it is also about increasing pressure on the commercial publishers to start providing their services on fair and trans-
parent conditions. A calculation over ten years shows a significant worldwide Return on Investment, since the journals that have transitioned to Fair Open Access no longer require subscription and operate at a much lower cost than that of the subscription model.

Saskia C.J. de Vries became an academic publisher with Kluwer in the 1980s after a short period of teaching Dutch Language and Literature. In 1992, the Board of the University of Amsterdam asked her to start up Amsterdam University Press, and she was its first Director. Over the twenty years of her directorship, Amsterdam University Press grew into an international, academic publisher with 20 employees in 2012, who were responsible for the approximately 200 books and nine academic journals a year, 60% of them in English, that were published. In 2006 she was co-founder of Leiden University Press, which has functioned as part of the University of Leiden since 2009. From 2008 till 2011, Amsterdam University Press was coordinator of the EU project Open Access Publishing in European Networks. Thanks to this project, AUP grew into one of the most innovative university presses in the world giving high priority to Open Access publishing. As business models in the academic publishing world are changing, and since there seems to be a vast need within academia to explore new ways of disseminating academic research results funded with public money, she started her own business in 2012: Sampan – Academia & Publishing.

She works with and for the Royal Netherlands Academy of Arts and Sciences, the National Library of the Netherlands, the Centre of Science and Technology (CWTS) and the Library at the University of Leiden, the Radboud University of Nijmegen, NWO, SURF, the post FP7 Pilot of OpenAIRE and three Universities of Applied Sciences. She is one of the founders of the Quality Open Access Market www.qoam.eu, European Library Partnerships Manager at the Open Library of Humanities and project leader of Linguistics in Open Access www.lingOA.eu.

3.1 Metadata 2020: Will Richer Metadata Rescue Research?
Rachael Lammey
Crossref, UK

All parties in the research enterprise aim to improve the discoverability of content. Whether they are funders, authors, preprint servers, publishers, libraries, repositories. Or the numerous tools seeking to add value through search, discovery, annotation, or analyses. So many of these organisations contribute along the way but often important details get mistyped, misrepresented, or missed out entirely.

What if we could make it easy to include as much information as possible? All the basic stuff but also license info, funding/grant data, ORCID IDs, organization IDs, clinical trial data, and – along the way – corrections and retractions? What if it was a simple case of entering once, and watching that work – with clean and ‘complete’ metadata – grow and get added to, permeating through other systems, contributing to research throughout the world?

It’s in the hands of many.

A group of organisations from all over the world (including Crossref, DataCite, ORCID, OpenAIRE, California Digital Library, Wikimedia, OCLC among others) have come together to rally the community around this critical issue in scholarly communications: sharing richer metadata. Working together we can build on existing efforts to make research more discoverable.

We will seek input from the relevant audiences, to share user stories about the journey that metadata takes, and to help prioritise goals and tactics for a new metadata advocacy campaign called Metadata 2020. Metadata 2020 is a campaign that is bigger than just one organisation or sector, but a collective responsibility shared by us all.

Rachael Lammey has been with CrossRef since March 2012. She works on the Member & Community Outreach team, running Community Days for Crossref members, and is working to promote Crossref to the researcher, administrator and funder communities. Before that, she was Product Manager on the CrossCheck and CrossRef Text and Data Mining initiatives, and worked on other CrossRef tools for publishers. She previously worked in journals publishing.
for Taylor & Francis for nearly six years, managing a team which worked with online submission and peer review systems. She has a degree in English Literature from St Andrews University and a MA in Publishing Studies from the University of Stirling.

3.2 Digital Humanities Clinics – Leading Dutch Librarians into DH

Lotte Wilms
National Library of the Netherlands, The Netherlands

Michiel Cock
Vrije Universiteit Amsterdam, The Netherlands

Ben Companjen
Leiden University, The Netherlands

In 2015 an initiative was started to set up a Dutch-speaking DH+Lib community in the Netherlands and Belgium, based on the example of the American communal space of librarians and others to discuss topics around ‘Where the Digital Humanities and Libraries meet’. At the initial meeting, it became apparent that most participants were there to learn more about digital humanities (DH), and were not (yet) in the situation where they were able to offer expertise on the subject. At the administrative level, the directors of the libraries participating in the consortium of Dutch academic libraries (UKB) also expressed a wish for librarians to become more fluent in DH.

The National Library of the Netherlands (KB), the University Library of the Vrije Universiteit Amsterdam and the Centre for Digital Scholarship at Leiden University Libraries, therefore, joined forces to develop a set of clinics on DH for librarians.

The aim of these clinics is to provide basic methodological competencies and technical skills in DH, for a diverse group of library employees, consisting of both subject and technical librarians with basic technical skills. The content of these sessions should enable them to provide services to researchers and students, identify remaining gaps in knowledge or skills that they can address by self-directed learning and (perhaps) to automate their daily library work.

In order to design this curriculum, we followed a four-step approach with a Working Out Loud principle:

1. Desk research about what being a DH librarian entails;
2. Identify possible subjects, based on personal experience, a comparison of existing teaching material related to DH (e.g. Programming Historian, Library Carpentry and the TaDiRAH taxonomy of research activities);
3. Get feedback from researchers on possible subjects, based on the knowledge and skills they feel librarians need;
4. Get feedback from librarians on possible subjects, based on already known gaps in their knowledge and skills.

With these in hand, we will design the curriculum of clinics, based on the method of ‘constructive alignment’. Our plan is to organise a maximum of six full-day clinics. Each day starts with one or more lectures by researchers, addressing the conceptual knowledge needed. The afternoon sessions will be devoted to the hands-on training of skills, following the Library Carpentry model as much as possible.

In this paper we will present the curriculum and offer the lessons learned from both the design process and the first clinics. We welcome discussion about our efforts and the possibilities of applying this in other contexts.

Lotte Wilms is a Digital Scholarship adviser, manages the KB Research Lab, is an advocate for DH in libraries and is always open for new initiatives. She holds a BA degree in English Language and Culture and an MA degree in Medieval Studies from Utrecht University. Since starting to work for the KB from 2008 onwards, she has held a number of positions, mostly related to digitisation and the reuse of digitised material. She has been involved with IMPACT, Europeana Newspapers and digitisation projects on KB parliamentary papers and historical printed books. From 2013 she has been active in Digital Humanities, and promoting the KB Lab and what we do as part of this set up all over the world. Her personal interests lie in community building and organisational issues around libraries and DH. How can we use our Lab to build a strong network of DH researchers using the material from the KB? And how should we set up our library organisations to support DH scholars and facilitate research?
3.3 Capturing the Transitional Moment: Greek Humanities Research and Open Access

Anna-Maria Sichani
University of Ioannina, Greece / Huygens ING, The Netherlands

Irakleitos Souyioultzoglou
Panteion University of Athens/National Documentation Centre (EKT), Greece

Constantly producing high quality research outputs, the scholarly community of Greek Humanities researchers stands as an interesting case study to trace the evolution and identify the challenges of Open Access in scholarly publishing. While the community is using a minority language, and is linked to a print-based publishing culture, current economic and viability issues make the future of Greek Humanities publishing more precarious than ever, and, therefore, require a more decisive shift towards Open Access publishing models. We claim that even if Open Access is now becoming commonplace among scholarly communication stakeholders (e.g. librarians, publishers, funders etc.), researchers should be equally engaged in the transition from the subscription-based print paradigm and place themselves at the very epicentre of such initiatives and discussions. Moreover, researchers need to understand that what is at stake is the communication and distribution of their own research outputs in an accessible, fair, ethical, engaging and inclusive way.

Using three well-represented Humanities disciplines (History, Literary Studies and Anthropology) as case studies, this paper presents an infrastructure research aiming to map the reception, application and challenges of Open Access publishing models within the Greek Humanities research community. Our research is based on a two-fold empirical survey: on the one hand, using a quantitative approach, we document the ‘publishing demographics’ (the current status quo) of Greek Humanities journals; on the other, through an anonymous questionnaire, we attempt a qualitative assessment of the familiarity of Greek Humanities researchers with Open Access in journal publishing.

Our research is willing to critically engage with the findings of these surveys, and to further discuss challenges and options for grassroots initiatives for full Open Access to scholarly outputs. We argue that Open Access in scholarly publishing and communication should be viewed and embraced as a common, shared path among librarians, publishers, academic institutions and, mainly, researchers in order to work towards a more fair and sustainable future for Humanities scholarship.

Anna-Maria Sichani is working towards a PhD in Modern Greek Philology at the University of Ioannina. She holds a BA and an M Phil in Modern Greek Philology from the University of Athens, and a MA in Digital Humanities from UCL. Anna-Maria is currently a Marie Skłodowska-Curie Fellow (EsR) affiliated with the European Commission’s Digital Scholarly Editions Initial Training Network (DiXiT) at Huygens ING-KNAW. She has been collaborating in numerous international Digital Humanities and infrastructure projects (e.g. Transcribe Bentham, DARIAH). Her research interests include Modern Greek studies, Digital Humanities, digital scholarly editing and publishing, cultural and social aspects of transitional media changes in literary studies and scholarship, scholarly communication, along with research infrastructures and digital pedagogy.

Irakleitos Souyioultzoglou is an associate at the National Documentation Centre (EKT). He coordinates the development of the Centre’s online publishing services. He holds an MSc in Islamic and Middle Eastern Studies from the University of Edinburgh, and a BA in Social Anthropology from Panteion University. He is currently a PhD candidate in Social Anthropology. He has experience in the field of digital research networks, and has previously worked as an associate in the DARIAH-GR infrastructure (2013-2015).
4.1 Applying Bourdieu’s Field Theory to MLS Curricula Development
Charlotte Nordahl Wien and Bertil Fabricius Dorch
The University Library of Southern Denmark, Denmark

Our research question is: How can adequate education in Library and Information Science be provided for subject specialists in research libraries under constant change?

Research libraries may be one of the places where imprints of the transition from industrial society to knowledge society are most evident. In order to keep up, the library profession has had to incorporate numerous new disciplines and has become a highly specialized area with its own PhD program. But while developing the curricula within the discipline of library and information science (LIS), the training programs for the subject specialists of the research libraries tend to have been neglected in Denmark.

Until the turn of the millennium, a subject specialist in a Danish research library would typically start their career by applying for a vacancy in connection with a subject specialist's MA or Ph.D. specialization. This is illustrated in the value compass below:

- Specialist Theorist
- Practitioner Generalist

The vertical axis reflects the anticipated level of education in relation to handling different functions within the library. The horizontal axis reflects the degree of idealism vis-a-vis pragmatism in relation to handling the tasks in the library. The hypothesis is that the subject specialist previously found him or herself in the upper part of the compass, while the librarians would be placed in the lower part. Obviously, this created a field of tension between the subject specialists and the librarians.

A useful tool in understanding and explaining fields of tension is Bourdieu’s Field Theory. It explains the structures in a given social world (i.e. a library), including the power struggles inside. These struggles are about how to obtain the positions that give the most prestige. No field is ever static since struggles for the power to decide exactly what is associated with power and what is not persist. With the upgrading of LIS the librarians have moved upwards on the vertical axis and thereby challenge the subject specialist’s position. At the same time developments within the academic world have brought about an undermining of the role of the subject specialists. And as the research libraries are in a rapid state of flux, it is no longer clear which positions provide maximum prestige in a modern research library. Therefore, we do not think that a single streamlined educational offer is the answer to our research question. Instead the point is that today’s competence needs are individualized.

Taking this into account, University Library of Southern Denmark has begun collaboration with The Department of Design and Communication at The University of Southern Denmark, and The Royal School of Library and Information Science (RSLIS). We have developed a curriculum for a flexible Master’s programme, where the students compose an individual portfolio. The first students will enrol in the autumn 2017. In our paper, we will discuss the applicability of field theory to Library and Information Science curricula development in more depth and will present our curricula in more depth to illustrate our points.

Charlotte Wien is head of the Research and Analysis Department at the The University Library of Southern Denmark. She has a PhD in information retrieval and is author of the book Introduction to Information Retrieval - for navigation on the information sea [in Danish]. Charlotte has 20 years of experience in research and teaching information retrieval, but also media and communication at The University of Southern Denmark. Her list of publications covers more than 100 publications including several articles in high ranked international journals.

4.2 Getting You Fit for the Open Age! The FOSTER+ Open Science Trainer Bootcamp
Friedel Grant and Martine Oudenhoven
LIBER, The Netherlands

Librarians are increasingly finding themselves charged with developing and delivering support and training for open access and research data management. There are still knowledge gaps on best approaches to training researchers and academic staff and there is a need for new training materials. The FOSTER+ project will reduce duplication of effort across European libraries by ensuring that librarians charged with providing training on open access, open data and data management and open science have access to a wide range of high quality, customisable materials that can be easily reused.
Building on the existing FOSTER portal and training materials, FOSTER+ will develop more advanced-level and discipline-specific materials that build capacity for the practical adoption of Open Science and promote a change in culture. Over 50 training events will be delivered. FOSTER+ will develop a multi-module Open Science Toolkit, covering key topics such as responsible research and innovation, research data management, software carpentry, text and data mining, reproducible research and open peer review. E-learning courses will be delivered for each module via the Learning Management System and materials will be made available to support face-to-face training delivery.

Especially interesting for librarians is the Open Science Trainer Bootcamp, organized by LIBER, one of the partners in FOSTER+. This bootcamp will convene a cohort of trainers with high multiplier potential and equip them to deliver courses within their institution/disciplines. After the bootcamp, the trainer network will be incentivized to add new content to the portal and run more innovative events via gamification tools. Enhancements to content maps and learning structures will enable individualised learning pathways to be recommended to users, and digital badges will be assigned to reward completion. The bootcamp is a key example of the FOSTER+ train-the-trainer approach: it will support individuals capable of replicating and multiplying the training within their institutions and communities. Intermediaries such as librarians, administrators, and research infrastructures are key contacts to reach out to the research community and deliver the infrastructure needed to support Open Science.

As Community Engagement Officer at LIBER, Martine Oudenhoven is responsible for engagement related activities and dissemination of several EU projects, including the OpenMinTeD project on text and data mining, and the FOSTER Plus project that aspires to train researchers to implement open science. Before joining LIBER in 2016, she worked as Communication Adviser at Leiden University Medical Center and the Faculty of Science at Leiden University. She is also a member of the core team of ScienceOnline Leiden, an open community that experiments with new ways of communicating science. Martine has a background in biology (MSc from Wageningen University) and communication. She is experienced in connecting and engaging multidisciplinary communities, science communication and outreach and strategic communications of scientific and scholarly consortia, organisations and higher education.

4.3 The Perks and Challenges of Drawing Maps and Walking at the Same Time – Lessons Learned by Stockholm University Library Management

Birgitta Hellmark Lindgren and Wilhelm Widmark
Stockholm University Library, Sweden

To manage and live with change has become an inevitable skill for all of us who work in the library sector. It does not matter whether you are a specialist or a generalist or what role or function you have.

Looking five years back in time, several changes has taken place at Stockholm University regarding the library. The needs of our users have changed, our structural place in the Organisation, our premises, our assignment, our service offers as well as the kind of competence we need, have changed. The only thing that has remained unchanged is our budget.

The purpose of this paper is to summarize important changes the library has undergone and conclude our lessons learned so far. What have we done and why, ranging from the shift to user driven acquisition and the merge of digital and printed resources to a large investment in infrastructure for scholarly communication and open science. What challenges have we had with our different approaches of catalyzing change? What is the outcome so far?

The objective of this paper is to reflect on the changes we have understood as necessary to pursue during the last five years and from that conclude what we believe is the way forward. The understanding of what has taken place at the library during the last five years is based on workshops in the management group.

The conclusions we will elaborate on are several. One concern is the importance of accepting that change is challenging and takes time, and sometimes we need to slow down and sometimes we need to speed up and the challenge is to know what is appropriate in a certain situation. Another is that change is possible without extra funding if we reorganise and adjust according to an outside and in
Wednesday 5 July

perspective, a third is the importance of a good dialogue with the university management and a common understanding of needs and priorities, a fourth is that trying out on a small scale often is more efficient than surveys of long duration. A fifth conclusion is that a clear direction does not equal a detailed plan and the conviction that every consequence cannot be foreseen in detail. Rather we believe in drawing the map while walking, with its perks and challenges.

Birgitta Hellmark Lindgren,
PhD, Deputy Library Director

Wilhelm Widmark,
Library Director
5.1 ‘The Empires of the Future are the Empires of the Mind’ [Winston Churchill]: Defining the Role of Libraries in the Open Science Landscape

Paul Ayris
UCL, UK

Tiberius Ignat
Scientific Knowledge Services, Switzerland

Open Science represents a potential revolution in the way that research is undertaken, disseminated and curated. The paper will look at the main elements of the Open Science workflow – conceptualization, data gathering, analysis, publication, review – and the characteristics of that workflow – citizen science, open code, open access, pre-prints, alternative reputation systems, science blogs, open annotation, open data, open lab books/ workflows, data-intensive approaches.

Having established the baseline for Open Science approaches, the paper will look at the impact of open science in 4 areas of activity, identify the current role of the Library in each and the potential the Library has to contribute to this agenda going forward. The four areas which the paper will address are open access and new publishing models, research data management, the European Open Science cloud and citizen science.

In the area of open access, libraries have customarily engaged in the payment of APCs (article processing charges) and in establishing open access repositories. The paper will look at activity in one of the most active UK open access teams at UCL and then examine future publishing models. In particular, it will show universities might themselves subvert the current monograph model by offering publishing services from university libraries.

In research data management, the outputs and outcomes of the EU-funded LEARN project will be analysed. These will dwell on research data management policy, best practice case studies, executive briefings and the findings of a survey looking at the level of preparation for RDM in research organisations across the globe. The paper will look particularly at the future role for libraries in the research data space, which the LEARN project is identifying, and suggest that research data management in the context of open science re-defines the role of the Library in research support and the research workflow.

The European open science cloud (EOSC) has the potential to put Europe at the forefront of open science developments. As a member of the high level EOSC Expert Group, the principal speaker will analyse the main drivers behind the recommendations for the development of the cloud and the future role for libraries in sustaining this revolutionary development.

Citizen science is part of citizen engagement in science and research. We observe a growing interest of citizens to contribute to a better society. In conjunction with newly-available technologies, a world of opportunities opens for research institutions. The paper will map existing experiences and recommendations from research intensive organisations and we will then present a blueprint for the roles of the library in this landscape with Guidelines for best practice.

The paper will conclude by analysing the challenges which open science presents. Rooted in the research workflow, the paper will identify the impact which open science is having on libraries and identify future roles that they can adopt in their institutions, both to support and also to help lead open science implementation.

Dr Paul Ayris was appointed Director of UCL Library Services in 1997 and is now Pro-Vice-Provost (UCL Library Services). He was the President of LIBER (Association of European Research Libraries) 2010-14; he is now Adviser to the LIBER Board. He is Co-Chair of the LERU (League of European Research Universities) Community of Chief Information Officers. He chairs the OAI Organizing Committee for the CERN Workshops on Innovations in Scholarly Communication. He is also the Chair of the JISC Content Strategy Group. On 1 August 2013, Dr Ayris became Chief Executive of UCL Press. He is a member of the Provost and President’s Senior Management Team in UCL. He has a Ph.D. in Ecclesiastical History and publishes on English Reformation Studies.

Dr Tiberius Ignat runs Scientific Knowledge Services, a Swiss-registered company which specialises in supporting libraries in Central and Eastern Europe to embrace new technologies and ways of working. He is a long-time personal member of LIBER and has a personal interest in Open Science, particularly Citizen Science. Dr Ignat
runs a successful Summer School on ‘Open Approaches in Libraries’ for institutions in Central and Eastern Europe, now in its third year. He has a PhD in Library and Information Science from the University of Bucharest.

5.2 How to Reach a Wider Audience with Open Access Publishing: What Research Universities Can Learn from Universities of Applied Sciences

Saskia Woutersen-Windhouwer
University of Amsterdam, The Netherlands

Jaroen Kuijper
Amsterdam University of Applied Sciences, The Netherlands

In Amsterdam, the libraries of the research university (UvA) and the university of applied sciences (AUAS) work closely together. In this cooperation, differences between these institutions become particularly clear when we look at the aim and implementation of open access policies. Here, we show what research universities (RU) can learn from the open access policy of a university of applied sciences (UAS).

A fundamental difference between a RU and UAS is that research at the latter is mainly practice-based and demand-driven. Whereas researchers at a RU primarily transfers their results to fellow scientists, a UAS transfers its results mainly to professionals and enterprises. These target groups of a UAS are becoming more important for the RU as well, in the search of co-financing by enterprises and other stakeholders, to fulfil their valorisation requirements. In the Netherlands, the latter includes a government initiative to democratize the research agenda by means of a National Research Agenda, in which all citizens could propose research questions.

Recently the library of UvA/AUAS has written a plan on open access based on the FAIR-principle (findable, accessible, interoperable and reusable) for the AUAS. The plan has been approved by the Executive Board, and will be executed by the Library, the Centres for Applied Research, the Legal Affairs and the Education and Research Office. The reason that this ambitious plan to go for 100% open access (with an open access fund, a new AUAS ‘Open’ series, and a mandatory deposit in the repository) could be approved, is that in general there is not a strong (scientific) publication tradition at the AUAS. That is in contrast with the RU where publish or perish and academic freedom form an essential part of the publication tradition. At the AUAS, researchers and boards quickly became enthusiastic about open access.

Researchers at the AUAS find it most important that output of their research will be optimally accessible, disseminated and reused by professionals, enterprises, scientists, schools and other stakeholders, etc. To facilitate this, authors can easily register and upload their research output (ranging from manuscripts to games) in the current research information system (CRIS) combined with a repository. The CRIS then disseminates the results to all kinds of platforms. Because the AUAS is copyright owner of the output of its employees, all products will be granted a CC-BY license and can easily be reused. In addition, a layman summary (both in English and Dutch) and keywords will also be provided in the CRIS to ensure that the research is truly accessible to a wide audience, including non-experts.

With the AUAS plan, not only financial and legal barriers to access have been removed, but also the language barrier. This makes the research output FAIR to the primary target group of the product, but more importantly, it enables interaction between the AUAS and a broad audience, consisting of researchers from other disciplines, and a wide range of professionals, enterprises, civil servants, schools and citizens.

Saskia Woutersen-Windhouwer is a specialist in electronic publishing at the University of Amsterdam. She is team leader of the Open Access services at the University of Amsterdam and the Amsterdam University of Applied Sciences, and a member of the national Open Access Working Group of the Dutch consortium of the thirteen university libraries and the National Library of the Netherlands (UKB). In 2010 she won the SURFshare Open Access Award. Furthermore, she participated in the 7th Framework Programme of the European Commission, “Digital Repository Infrastructure Vision for European Research II” and is co-author of “Report on Enhanced Publications state-of-the-art”. Currently she participates in the Horizon2020 project OpenUP, which will be opening up new methods, indicators and tools for peer review, dissemination of research results, and impact measurement.
5.3 Risk Aversion Narrows the Future of Libraries

Jens Vigen
CERN, Switzerland

Kristin Antelman
Caltech, USA

Alexander Nietzold
Tind Technologies, Norway

Librarians like to believe that we are a source for innovation, but where is our innovation in the services we provide to the scientific community? Are we perhaps not as innovative as we think we are?

Jump 20 years forward. Virtually all scientific research is open access. It is unimaginable that researchers do not archive and share their data and software. The quantity of digitally-born assets, including citizen-created content, has exploded; it is supported by global infrastructure linked to networks of tools tailored to individual research communities. Journals still exist but articles have become complex, interlinked communications that include text, data and software, and are mined by semantic algorithms more than read by humans.

In the future libraries will have stopped doing much of what we are doing today. We keep up with the most promising trends in scholarly communications. We deploy realistic strategies to enable researchers to be successful, especially when those green shoots of innovation spring up in our own institutions. We look at everything we do through the lens of the expectations and behaviors of our users, be they scientists or citizens with information needs.

What should libraries be doing in 2017 to be meaningful partners for authors and readers, and our institutions, in this world? Do we feel confident that we be able to respond nimbly as these changes come along if we continue along our current path? What are the barriers we must overcome to become that kind of library?

Libraries are weighed down by significant ballast we carry from our print past. The Integrated Library System, and its print- and process-centric workflows and mindset, is a major culprit. It holds us back at a time when platforms based on modern web technologies that manage complex digital objects and are designed around how researchers work today are already available. Certainly, these will change over the next 20 years, but that does not mean libraries can simply afford to hold back until things are “settled” and the “perfect” solution has come along. Bringing these platforms into the library in place of the old-school ILS can serve as a catalyst for library staff to think differently, spend less time on lower-value work, and see the library first of all through their users’ eyes. Developing relevant skills, cultivating engagement, and building our future credibility within our institutions, can all happen now.

Innovation cannot be limited to a few cutting-edge institutions. If libraries of all sizes and types do not want to be pushed aside from their centuries-long role in the research and education enterprise, we can – and must – take greater risks, begin to live in the future.

This paper will feature two ‘visitors from the future,’ the CERN and Caltech libraries. We will share our initiatives, each informed by a researcher-first mindset and employing tools and collaborations undertaken in partnership with TIND (CERN spin-off). We believe the steps CERN and Caltech have taken to begin to build our libraries of 2035 can serve as relevant, even inspiring, models for others.

Kristin Antelman is the University Librarian at the California Institute of Technology (Caltech) with administrative responsibility for the Library and Archives. Prior to joining Caltech in 2014, she was the Associate Director for the Digital Library at North Carolina State University Libraries. While at NC State, she oversaw the technology program for the new James B. Hunt Jr. Library, which received the 2014 Stanford Price for Innovation in Research Libraries.

Alexander Nietzold is the CEO and co-founder of TIND, an official CERN spin-off building the future of library technology. With a both strategic and creative mind, he leads TIND’s product development, reimagining the traditional ‘library system’ with a strong focus on design and UX.

Jens Vigen is Head Librarian at the European Organisation for Nuclear Research (CERN). He has over the last years been deeply involved in developing digital library services, promoting open access and making legacy collections available online. Before joining CERN, Jens held a position at the library of the Norwegian University of Science and Technology. He has a master’s degree in civil engineering; geodesy and photogrammetry.
6.1 Knowledge Exchange Consensus: Monitoring of Open Access Publications and Cost Data

Michael Svendsen
Royal Danish Library, Denmark
Christian H. Thomasen
Knowledge Exchange, Denmark

Background: Knowledge Exchange (KE) has in recent years actively been focusing on activities of monitoring Open Access (OA). KE consists of six European organisations working together to support the development of digital infrastructure to enable open scholarship. In two international workshops held in 2015 and 2016, challenges and solutions to monitoring OA publications and derived cost data were addressed, and a series of practice-based recommendations were formed as the “Knowledge Exchange Consensus on Monitoring OA”.

Purpose and method: In a changing landscape of increasing OA publishing, it has become necessary for universities, and at an aggregated national and international level, to monitor OA publications and cost data related to different types of business models in the publishing market. Furthermore, a standardised monitoring of OA publishing and costs is a prerequisite for sustainability of institutional budget allocations in times of economic restraint.

The purpose of increased international co-operation in the workshops was achieved through a mixed qualitative method of status reporting from KE country partners, which laid the baseline for setting up breakout groups to discuss selected topics in depth in order to monitor:

- quality in collecting data from sources
- efficiency in monitoring workflows
- aggregation of data via usage of standards
- alignment across the policy landscape

Objective: With its workshop series, KE has set a clear goal of pushing towards more transparent exchange of metadata of OA and cost data. The long-term goal of successfully increasing fairer OA publishing relies on transparency of data from publishers, institutions and countries in order to obtain an economic review of the Total Cost of Publication (TCP). In pushing for transparency and shared optimisation of OA monitoring, the workshops have also delivered recommendations that can influence evidence-based policy making, helping to streamline economical spending and promoting better outcomes from negotiations with publishers.

Conclusions: Metadata standards and common definitions of OA publications are crucial and do exist. When new standards are needed, they should be added to existing protocols. Policies and agreements should require publishers to deliver data in ways that make the workflows open and transparent. Repositories or CRIS’s should be used as sources for monitoring.

When monitoring OA cost data, accounting systems and repositories should be interoperable so that cost data at all levels can be easily retrieved. Data should be open and shareable, so the DOI becomes a key tool. Publishers should be required to enter the required data (such as license, DOI, corresponding author and APC) in the publication metadata as well as in the publications themselves. Such requirements should be settled in contracts with the publishers avoiding non-disclosure regulations at all times. A transparent overview of the TCP is a key concept and it is important for consortia as well as for HEI to be able to dissect costs of publishing carefully, underlining that the APC does not cover all costs of publication.

Christian Hagen Thomasen is a consultant for Denmark’s Electronic Research Library (DEFF), and DEFF’s representative in Knowledge Exchange. He is a co-lead in Knowledge Exchange’s Open Access Expert Group and Knowledge Exchanges Open Scholarship Advisory Group (KEO-SAG), where he initiates and directs activities relating to Open Access, open scholarship, research data management and other topics important to the Knowledge Exchange’s mission of supporting the development of digital infrastructure to enable open scholarship.
6.2 COUNTER Standards for Open Access: The Value of Measuring/The Measuring of Value

Joseph W. Greene
University College Dublin Library, Ireland

In an environment seemingly obsessed with metrics, impact, visibility and returns on investment, there exist no standards for quantifying and directly measuring the value of openly accessible materials. It is tautological to say that the value of Open Access (OA) is in making scholarly and scientific research more accessible. Yet the measurement that is given the most attention is the OA citation advantage. But this is a proxy measure, a measure of one of the many effects of OA, controversial in its intimation that citation can always be equated with value. If the value-add of OA is its added accessibility, then the measuring of accesses is the measure of its value. There is nothing controversial about this: if an OA item has been downloaded a hundred times, it has been accessed a hundred times. Whether pored over or instantly discarded, the item has been accessed in a way that it would not have been had its access been restricted: the end user is given the choice of deciding whether the paper is of value. Access gives this choice; this is where OA’s value lies. The problem is that every publisher, host, software platform, aggregator, statistical package and individual instance or combination measures usage - primarily downloads - differently. Up to 85% of open content usage can be attributed to non-human ‘users’: computer programs that crawl the web for content for variously legitimate and nefarious purposes.

Recently, Project COUNTER convened a group of volunteer experts to address the problem, with a view to creating a set of standards for measuring usage that can be applied by any provider of openly accessible content. These standards will make it possible for publishers and other content hosts to give comparable usage statistics for open access content, equivalent to existing COUNTER reports used daily by e-resource librarians for cost-per-click analyses and journal selection and deselection. Such a measure is a crucial but absent variable in the formula for determining the sustainability of different strands of the scholarly communication infrastructure. Since it is being implemented by Project COUNTER, the only standards-setting organisation of its kind, and includes members from several large publishers, OpenAIRE, members of the DSpace, EPrints and Digital Commons development teams, data from Open Journal Systems, IRUS-UK, and others, the effects have the potential to be far reaching.


Niklas Alén
Finnish Literature Society, Finland
Marjo Kuusela
University of Helsinki, Finland

Open access in all of its forms is well established in Finnish academia. At a national level open access has been recognized as an important publishing practice by the Ministry of Education and Culture in its Open Science and Research Initiative. Most Finnish universities have their own institutional repositories, and many domestic scholarly journals have successfully transitioned to open access publications. The only part of the scholarly publishing ecosystem clearly lagging behind is monograph publishing. To remedy this situation Helsinki University Library – implementing the University’s Strategic Plan 2017-2020 in making research results accessible to the academic community and society at large – and the Finnish Literature Society (SKS) have launched multiple programmes independently and together.

In our paper we aim to bring forward the publisher’s and the library’s points of view on open access monograph publishing in the Finnish context. We will take a closer look at the library’s motives, challenges and workflow as well as finding sustainable practices for managing open access books by libraries. We will also examine open access monograph publishing through the lens of a publisher, the Finnish Literature Society.

The SKS is a learned society founded in 1831, and is also Finland’s largest scholarly publisher in the humanities. The SKS Open Science project began in November 2014,
and produced a report on open access monograph publishing in the national and international context in 2015. After the report, the SKS launched its open access programme in 2016 as one of the first publishers in Finland. In December 2015, the SKS and Helsinki University Library began a pilot project to have 30 titles by Helsinki University scholars published in open access. The success of the library-publisher co-operation led to the development of the Aleksandria library consortium pilot. Aleksandria is an innovative funding mechanism for Finnish language scholarly monographs. It works very much along the lines of the international Knowledge Unlatched consortium, but it is adapted to fit the Finnish context.

Throughout the pilot projects' the stakeholders’ concerns about OA monograph publishing have been explored. Our practical goal is to lower barriers and facilitate OA publishing in Finland. For libraries, OA monographs still represent tributaries rather than the mainstream, and the pilot’s goal is to accrue know-how and annex OA monographs from a separate silo to the library’s regular metadata and discovery workflows. New competencies needed by librarians were also mapped: informing authors about agreements, funder requirements, CC licenses, OA metrics and dissemination and discovery. We also organised workshops (e.g. Books, Libraries and Open Access) concentrating on OA monograph funding models, discoverability, usage and metrics and library’s role in the OA monograph field.

Niklas Alén has worked as project-coordinator of the Finnish Literature Society’s (SKS) Open Science project since late November 2014. First the project produced a report that charted the national and international open access situation, and presented the opportunities and challenges of open access monograph publishing in the Finnish context. Then in 2016 the FLS began open access publishing as one of the first publishers in Finland.

Marjo Kuusela is currently working in Helsinki University Library as an acquisitions and licensing librarian and project manager in the University of Helsinki Open Access Hub 2017-19 project. Her responsibilities include electronic resource management, licensing and workflow development. The University of Helsinki Open Access Hub 2017-19 project is funded by the University of Helsinki. The main tasks in the project are to set up an open access monograph platform and HUP-series with the academic publisher Gaudeamus Press, develop APC workflows and establish an Open Access Hub to support HU staff and students in matters relating to Open Access.

Prior to her present position in Helsinki University Library, Marjo has worked in the National Library of Finland. Her background is in Russian and East European Studies and her current professional interests are in digital libraries, open access and digital humanities.
45

Thursday 6 July

09.00-10.30
Session 7: Making the Most of a Copyright Exception
Room I 12, Ground Floor, Conference & Cultural Centre
Chair: Wilhelm Widmark, Stockholm University Library, Sweden

7.1 Text and Data Mining: Making the Most of a Copyright Exception
Julien Roche
University Lille 1, France
Rob Johnson
Research Consulting, UK

Background: The European Commission’s proposals for a digital single market are likely to see the introduction of a mandatory copyright exception for text and data mining in public research. Under this new copyright regime, academic librarians will have a crucial role to play in advising researchers on their rights and supporting them in accessing the content they need.

Paper aims: This paper will share the results of a qualitative study of TDM researchers, librarians and infrastructure providers working in the UK, France and beyond. The UK introduced a copyright exception for TDM in 2014, and France in 2016, and the lessons learned from these early adopters are now highly relevant to the rest of Europe, as widespread implementation of a copyright exception for TDM draws ever closer.

Method: The study was completed by Research Consulting, a UK-based consultancy, on behalf of ADBU, the French association of directors and senior staff in university and research libraries. It comprised the following elements:

- Desk-based review of relevant literature and legislation in the UK, France and at European level.
- Case study identification and development. 70 potential contributors were identified over the course of our work. 55 of these individuals were approached formally to request their input, and 25 were interviewed as part of the final study.
- Validation of findings. The draft findings were shared with a further 10 TDM specialists in the UK, France and US to validate the findings, and ensure that they present a balanced picture of the current environment for TDM.

Results and conclusions: The study found that uptake of TDM remains low in the UK despite the introduction of a copyright exception some two years ago. Both the UK and France, and by extension the rest of Europe, face common challenges in making the most of a copyright exception, which can be summarised as follows:

- Achieving legal clarity
- Delivering access to content
- Developing infrastructure
- Enhancing skills and support
- Providing incentives for TDM

The study identified a key role for academic librarians in enabling greater uptake of TDM by public researchers, and makes a number of recommendations on how they and other stakeholders should respond to the introduction of a copyright exception.

Study update: The study was delivered at the end of 2016. The paper will also give an update regarding the legal context in Europe and in France (decrees to be published).

Julien Roche is Head of Lille Sciences and Technology University Libraries and Director of LILLIAD Innovation Learning Centre. He has many responsibilities at national and international levels. He has been a member of the Executive Board of LIBER and Chair of the LIBER Leadership and Workforce Development Working Group, responsible for the European ‘Emerging Leaders’ and the LIBER Journées, 2011-2016 programmes.

He is currently Vice-President of the Association of the Directors of French University Libraries (ADBU) and special adviser to the LIBER Board on leadership issues.

7.2 Fostering New Open Access Initiatives: UCL Press: the First Fully Open Access University Press in the UK
Lara Speicher
UCL Press, UK

When UCL Press (University College London) launched in June 2015, it was the first university press in the UK to launch with a fully open access model. UCL is a leading global research institution, ranked 7th in the world by the QS World University Rankings, and it supports a strong open access position in its policies and infrastructure. Its flagship initiative in this area is UCL Press, which publishes scholarly monographs, textbooks and journals, disseminated as open access PDFs on a number of platforms including its website, UCL Discovery (institutional repository), JSTOR and OAPEN; in enhanced browser-based editions; and in print for sale through traditional retail channels.

Since launching it has published 26 books and seven jour-
nals in many subject areas but principally archaeology, architecture and urban studies, anthropology, history and media studies. In 2017, it will publish around 40 books and it has plans for further expansion in 2018, such is the demand for open access publishing from UCL academics. UCL funds UCL academics to publish open access books and journals with the Press and the majority of its authors are from UCL. UCL Press also publishes non-UCL authors, who are charged a Book Processing Charge. The Press’s six staff are all publishing professionals with backgrounds in scholarly and institutional publishing.

The global impact achieved by the Press in its first eighteen months or so of publishing activity has exceeded all expectations: UCL Press books and journals have been downloaded over 190,000 times in over 200 countries. The most downloaded book is ‘How the World Changed Social Media’ by Daniel Miller et al, which has been downloaded over 60,000 times since publication on 1 March 2016.

Based on its success so far, UCL Press now plans to develop its textbook publishing programme further, working closely with the university’s Open Educational Resources strategy. UCL’s OER initiatives and UCL Press’s textbook publishing plans were recently highlighted in LERU’s position paper on ‘Excellent Education in Research-Rich Universities’ (Feb 2017), the only one of the 23 LERU universities to have their OER activity featured in the paper.

An open access press requires funding from the institution and a commitment to the open science agenda at a senior level; the resulting benefits and global impact for the institution’s research are undeniable. Based within UCL Library Services, UCL Press delivers many of the strategic goals of the library and the wider institution, and benefits from library infrastructure and initiatives. All UCL Press outputs are hosted in UCL Discovery, which is managed by UCL Library Services. The CEO of UCL Press is also the Pro-Vice Provost of UCL Library Services, who leads on wider OA initiatives at the institution and at national policy level. UCL’s open access services, including the Press, are led by the UCL Library Services Assistant Director (Support Services).

By embedding itself at the heart of institutional activity and delivering UCL’s scholarly research to a global audience, UCL Press represents a new open access publishing model whose experience can serve other institutions.

Lara Speicher is Publishing Manager at UCL Press, the university press for University College London, where she has set the Press up from scratch with UCL colleagues. UCL Press is the first fully open access university press in the UK, and it launched with its first books in June 2015. Since then, UCL Press has published over 25 books and seven journals and has plans to expand its programme in the coming years, such is the demand from UCL academics and beyond. UCL Press publishes scholarly monographs, textbooks and journals in a wide range of subject areas, with particular strengths in anthropology, archaeology, internet studies, built environment, architecture and history. Lara comes from a publishing background and previously held editorial roles publishing history, art, architecture, literature and popular science at British Library Publishing and the BBC.

7.3 LibChain – Open, Verifiable and Anonymous Access Management

Juan Cabello, Peter Janacik, Gerrit Janßen, Tim Jungnickel and Alexander Mühle, TU Berlin, Germany

Current contracts between academic publishers and research libraries are based on subscription models, granting patrons of a library almost unlimited access to the digital publications of a single publisher. Unfortunately, pricing models often do not correspond to usage of publishers’ content. As a consequence, several German research libraries cancelled their subscription to Elsevier publications.

In this paper, we present LibChain, a decentral, verifiable and anonymous access management based on blockchain technology. LibChain envisions a novel procedure of accessing digital media from different publishers through a library. With the LibChain service, the library stores every request for a digital publication directly in the blockchain, making it an anonymous but verifiable source for publishers to provide access to the user. The decentralised blockchain architecture enables new access models for digital media, and allows fairer and more accurate pricing models based on the usage.

LibChain unleashes its full potential if multiple libraries co-operate to create trustworthy usage metrics or share access to digital publications. As a design principle of the
underlying blockchain technology, no mutual trust is required to generate verifiable transactions. We explicitly promote open access publications in our system design by providing verifiable usage metrics among distributed libraries and enable anonymous compensations and donations. In addition to a fully described programming interface for established publishers, we provide a standalone toolkit for conferences and smaller research institutes. Hence, small groups of authors can easily contribute to the LibChain universe and act as their own open access publisher.

The implementation of our research prototype is based on the open source blockchain framework Ethereum. The key advantages of LibChain are: first, it provides a distributed, failure tolerant mechanism for free, open and anonymous access to content that can be used out-of-the-box by anyone; second, it is compatible with conventional business models, where publishers sell their content for a predefined price (this compatibility is aimed at accelerating the adoption of LibChain by maximising network-external value by integrating the open access and paid publication segments); third, LibChain provides a reliable way of measuring the impact of content and realising payments, since due to its blockchain core, all interactions with LibChain can be verified; and fourth, LibChain balances the access to information relevant to content providers and the privacy needs of users. Given these advantages, LibChain has the potential to accelerate the shift to an open access publication model and provide a robust, distributed content exchange mechanism and substantially higher utility than conventional models to all involved parties.

Tim Jungnickel is a research assistant and PhD student at the TU Berlin, Germany. He is part chair for Complex and Distributed IT Systems and earned his Bachelor and Master’s degree in Computer Science at the TU Berlin. Current research interests include fault tolerant systems, blockchains and collaborative systems. Tim is currently Chairman of the Commission for Education in the Faculty for Computer Science and Electrical Engineering.

8.1 Open Science is Built on Trust... How About Our Library Organisation?
Matthijs van Otegem
Erasmus University Rotterdam, The Netherlands

As we move into open science the nature of the library changes. As a consequence, our library organisation should change as well. In a knowledge economy, trust is a key ingredient: it is a pillar in the open science movement. To be successful in open science, we need to incorporate trust in our library culture. We took up the challenge at Rotterdam University Library.

We want to be flexible, open, digital and entrepreneurial, but our current organisational models do not fit this need. We have moved from an inward looking, task-oriented organisation into a result-driven culture, but this does not seem to be the solution. We have managed to complete great projects in a short time. Yet, people in libraries do not work for carrots and sticks: they are in the library field because they feel it is worthwhile to commit themselves to this cause. If we continue with our result-driven approach we could drive out the soul of our organisation.

How would our organisation look if we built it entirely on trust?

In Rotterdam we started this journey. First of all, we put the Library's cause central in our vision rather than tasks or results. We trust our colleagues to be committed and capable of doing what is needed and what is right. Our colleagues can decide which projects contribute best to our cause, they can decide about the means - time and budgets - that are needed. They have all the information needed for decisions at hand, as we do not have any confidential information (except for information that legally cannot be shared). And then they can decide for themselves. Decisions are made, including by the director, when at least three relevant colleagues have been consulted for advice. We are totally flexible: you have a job... but that does not mean you have work. People can take the role they think is needed and they aspire. This has released a lot of energy: you can bring your entire self to work when you feel that what you are doing is right and meaningful. I wish we would all have this experience and I want to share it with you.
Matthijs van Otegem is Director of the University Library at Erasmus University Rotterdam. He received his MA in Book & Information Science at the University of Amsterdam, and his PhD in philosophy at Utrecht University. In 2002 he joined the Koninklijke Bibliotheek, National Library of the Netherlands. After twelve years there in various positions – policy adviser, Head of Online Services, Head of Collections and Director of Operations, he took up his current position in Rotterdam. In addition to the role of university librarian, he is a member of the editorial board of Informatieprofessional, the Dutch journal for librarianship, and he is a member of the LIBER Executive Board.

8.2 OER Librarians Facilitating Open Science
Hilde van Wijngaarden
University of Amsterdam, The Netherlands

Universities supporting open science choose to share their research results, data and publications, but also embrace the fundamental principle of ‘open’ as a core value of science. With this core value comes open education. Although less often focused on, open education is actually the third pillar of open science, next to open access and open data.

To organise the third pillar, libraries are a powerful facilitator. This is because they have proven to be successful advocates of open access and open data, and can promote and lobby for open policies for education as well. The other strength of the library in supporting open education is their ability to facilitate the required practical processes for adopting open educational resources. Practical support actually derives naturally from the traditional supporting roles of the library, on copyright, information discovery, information literacy skills and curation of information.

When a teacher sets up his reading list, very often the library is involved, checking reading rights, advising on open alternatives and helping to prevent copyright violations by teachers sharing articles with their class. Once the librarian and teacher start talking about impossibilities, they move on to discuss possibilities: how to share and use open educational materials? The OER (Open Educational Resources) librarian is born.

And then the OER librarian starts expanding his/her library core competency of discovery of educational resources. What is out there? What can be reused? In close contact with the teacher, librarians can help find more than books to study, they can identify suitable open courses, knowledge videos and kinds of other materials to (re-)use. Setting up a portal to search and find OER is a logical next step.

Librarians are teachers themselves, teaching information literacy skills and other training. In this role librarians teach and train in open education, and as teachers themselves, they can use their own experiences when helping others. What is involved in sharing OER? What is keeping us from using one another’s materials? This experience helps the librarian to help teachers going ‘open’. The library manages collections, keeps information safe, findable and reusable. More and more, they are doing that for educational materials as well as for publications and data. Starting within the closed environment of the university, just being efficient in saving work for reuse the next year, an educational repository is set up. This repository could then be used for opening up, and the library helps making the materials findable.

The OER librarian is a known concept in the United States, but in Europe, this role of librarians still has to be further developed. In the Netherlands, a working group of librarians supporting education is working on defining the role and facilitating knowledge sharing to enhance support for open education. With the growing recognition of the importance of excellent education in research-intensive universities, research libraries are starting to focus more and more on education support. But then it is obvious, that for a librarian, education should be open.

Hilde van Wijngaarden is Head of Education and Research Support in the Libraries of the Amsterdam University of Applied Sciences (AUAS) and the University of Amsterdam (UvA). She leads a team supporting teachers and researchers with dissemination of their results (open access publishing and RDM) and sharing their publications. She took up this role in 2015, after being Head of the Library’s section on Applied Sciences for three years. Before starting work in Amsterdam in May 2011, she worked in the National Library of the Netherlands (KB). Between 2002 and 2011, she held different po-
sitions, including Head of Digital Preservation and Head of the Processing Division. Internationally, Hilde has been involved in several European projects and international collaboration in the area of digital preservation and digital libraries. She is Chair of the Advisory Board for the Dutch Knowledge Infrastructure for Applied Sciences and Chair of the Working Group on Libraries and Open and Online Education.

8.3 Growing a Culture for Change at The University of Manchester Library

Penny Hicks
The University of Manchester Library, UK

Growing a culture for change at The University of Manchester Library in 2013, the Library embarked on an ambitious new strategy to serve students, researchers and the community effectively. The Library’s Leadership Team began to realise that if the organisation was to deliver its ambitious strategy, a programme of culture change would be required to develop the required behaviours and skill-sets across the Library’s 300 plus staff. For the strategy to be achieved, the Library had to increase self-awareness of behaviours that could act as a barrier to change, whilst providing an engaging environment where the motivations and drivers for change in strategic direction are understood. We will explore the innovative tactics employed by the organisation to achieve these two objectives, along with the challenges, successes and lessons learned throughout the process.

Culture Change and the ‘Five Ways of Working’

Using innovative digital and face-to-face channels, the Library engaged its entire workforce in the development of a set of values known as the ‘Five Ways of Working’ to underpin a new culture. We will share details of the tactics used to embed the ‘Five Ways of Working’ across the Library, ensuring they remained front of mind and staff continued to ‘live’ the values day-to-day. Discover how, through a fresh and innovative approach to surveying staff behaviours and motivations, the Library has been able to evaluate the progress made on its culture change journey and refocus efforts at an organisational and local level two years after beginning the process.

Developing an Engaging Approach to Strategic Planning

Having identified that staff felt distanced from the current strategy and struggled to link their day-to-day roles to the Library’s strategic objectives, it was clear a fresh and more engaging approach to strategic planning was required. The Library successfully engaged staff at all levels of seniority to help shape its new strategy by contributing to the planning process from the beginning. We will share the tactics employed to sustain engagement which resulted in over 50% of staff actively contributing throughout several months of detailed planning. Discover how this holistic approach to the strategic planning process and evolving culture change resulted in higher engagement and increased understanding of Library and University strategy.

Penny Hicks leads the Academic Engagement team and Marketing and Communications team at The University of Manchester Library. From a creative design background, Penny worked in marketing in the private sector before entering marketing for HE at the University of Warwick. As Head of Corporate Marketing at the University of Salford, Penny led on the PR and communications for the new campus at MediaCityUK moving to The University of Manchester in 2013.
Still Image Digitization and Photography
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Audiovisual Heritage Preservation

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Presentation: “Expanding the Role of the University Library”
Tamar Sadeh, Director of Discovery and Delivery Strategy, Ex Libris
Thursday July 6 14:30

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Sustainability has become a critical issue for scholarly communication in the 21st century. Sustainability implies a holistic, inclusive approach to addressing problems that takes into account multiple dimensions, including ecology, society and economics, recognizing that all of these dimensions must be considered together to find lasting prosperity. Inherent to the notion of sustainability is that we are contributing to the well-being of future generations. As we shift towards open access and open science, there are a number of possible future scenarios for the future of scholarly communication; scenarios that will have different impacts on the sustainability of the system, but also, affect the future role of the research library. In this talk, the speaker will review some of the challenges and issues with scholarly communication from a global perspective, and describe various components of a future system, that would be more sustainable and inclusive.

Kathleen Shearer has been working in the areas of Open Access, research data management and digital libraries for many years. She is Executive Director of COAR (Confederation of Open Access Repositories), an international association of repository initiatives launched in October 2009. COAR is located in Göttingen, and has a membership of over 100 institutions worldwide from 36 countries in five continents. COAR has been developing a model for sustainable scholarly communications based on a global network of OA repositories, and has also been actively promoting the role of libraries in the future of scholarly communication. Kathleen Shearer is also a consultant for several other organisations. She has been a Research Associate with the Canadian Association of Research Libraries (CARL) since 2000. She was instrumental in the launch of the Portage Research Data Management Network in Canada, and contributed to the development of the recently released CARL Scholarly Communication Roadmap. She is also a Partnership Consultant with the Association of Research Libraries, providing expertise to the Association about international activities and scholarly communication. She has also done extensive work for the Canadian federal government and research funding agencies, including a project to develop metrics and indicators framework for open science.

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Dragan Nikolic completed his studies in Law at the University of Belgrade. He has over ten years’ experience working in electronic media (radio and TV) and advertising/mass media & communications. He has worked with EBSCO since 2004 as Regional Sales Manager for the Southeastern Europe region.
Expanding the Role of the University Library

Dr Tamar Sadeh
Ex Libris, Israel

For hundreds of years, the beating heart of scholarly institutions has been the library, with the information stored therein serving as the building blocks of research, teaching, and learning. Until recently, the library provided its services only to those who looked for them. Now, however, library practices are shifting. Libraries are actively seeking to extend their reach within their traditional domains while engaging in supporting the business goals of their institution. This support translates to assisting new stakeholders, such as the Provost, Rector, and Vice-Chancellor, in various types of initiatives, including promoting the institution’s reputation and dealing with funding, revenue streams, and expenses - and at the same time, providing new services to libraries’ traditional stakeholders: academic staff, students, and administrators. Furthermore, libraries are changing their approach to their users, who are now regarded as customers, and are undertaking cross-domain activities, such as curating research data and overseeing institutional publishing.

In this session, we will discuss current Ex Libris initiatives for developing technologies that will help libraries embrace new roles in academia.

Tamar Sadeh has a Bachelor’s degree in computer science and mathematics, and began her career developing search engines for structured and unstructured data. At Ex Libris, a ProQuest Company that develops high-performance applications for libraries and information centres, she has taken an active role in the definition and marketing of various technologies since she joined the company in 1999. She holds a doctorate from City University London’s School of Informatics. In parallel to her work at Ex Libris, she volunteers as a narrator for audiobooks at the Central Library for the Blind.

Libraries and Storytelling: Bringing Resources to Life? An Interactive Keynote Session with Historypin

Invited Speaker: Michael Ambjorn
Historypin, UK

The world is changing. We're in an age when libraries are under immense pressure to show their value. At Historypin we develop and maintain storytelling methods used by 3000+ cultural organisations to expand their communities – and bring their resources to life.

In this highly interactive session you’ll get a taste of the work we’re doing with the BBC, the Knight Foundation and the US National Archives to help them innovate, adapt – and better engage their community.

You’ll also hear about how we collaborated with Colombia’s largest cultural infrastructure, their national library system. We helped them become more representative, relevant and inclusive. As mentioned, this session will be interactive – and you'll walk away with practical insights and ideas you can use in your own work.

Michael Ambjorn is passionate about helping change-makers build understanding through stories. As CEO of Historypin, he oversees the development and maintenance of storytelling methods used by 3000+ cultural organisations to expand their communities – and bring their resources to life.

He is Past Chair of IABC (the International Association of Business Communicators), and has held leadership roles at IBM, Motorola and the 260-year-old Royal Society for the encouragement of Arts, Manufactures and Commerce (RSA).

He is also a consummate connector, participant, presenter. And espresso user. Across all of the above, he writes, speaks, comments and captures – you can follow him @ michaelambjorn and find him at http://linkd.in/ambjorn.
Thursday 6 July

13.30-14.30
Panel Session
Room I 1, Ground Floor, Conference & Cultural Centre
Chair: Elliott Shore, Association of Research Libraries

Opening Up Perspectives for Future Collaboration: A Joint Exploration of Three Innovative Ideas

Innovative Ideas and Presenters:

The Library Blockchain to RDM
Rob Grim, Erasmus University Rotterdam, The Netherlands

European Print Initiatives Collaboration (EPICo)
Daryl Yang, UK Research Reserve, UK
Wolfgang Mayer, Vienna University Library, Austria

HuMetricsHSS: Towards Value-Based Indicators in the Humanities and Social Sciences
Simone Sacchi, LIBER

LIBER has selected three innovative ideas that pose new questions, opportunities and challenges to the research library community. This session enables you to gain understanding of the ideas. What are the common features of these ideas? What are strengths and what would the impact on the current research library ecosystem be? Which ideas would possibly gain most traction in LIBER and in the world beyond LIBER? Guided by these and other questions we will interactively explore the ideas, find ways to move them forward and try to formulate strategic choices ahead for the research library community.
9.1 The Digital Repository as a Platform for Innovation – the Case for Europe PMC
Mariia Levchenko and Johanna McEntyre
EMBL-EBI, UK

Digital repositories have become an important cornerstone in the complex landscape of scholarly communications. However, they are often viewed as a primarily data storage facility, thereby limiting the range of their potential use cases. Moving away from the idea of a digital repository as a static content provider towards an information hub linking different types of digital resources could help researchers to cope with the growing wealth of scientific knowledge. In this presentation, we want to share our experience in developing Europe PMC (europepmc.org), a global open digital archive for biomedical literature, as a platform for innovation.

Europe PMC operates as a designated repository for the open access publication policies of 27 international life science funders. Europe PMC participates in the PubMed Central International – the network of archives that share locally deposited content. We view literature as a bridging mechanism for the wider research infrastructure, connecting publications, data and metrics. Europe PMC started as a repository, but has since transformed to a community platform open for new developments.

We have developed several mechanisms to enable community-driven contributions. The External Links service allows sites hosting related information or tools to link out from articles in Europe PMC to their websites. This service is open to databases citing life science literature, repositories that hold full-text content, resources providing lay audience summaries, etc. Such crosslinks create a net of knowledge, combining publications, datasets, patents, theses, and teaching materials, and easily allow the user to navigate the content following their research workflow.

In addition to External Links we have set up a platform for text miners to share their outputs with the wider scientific audience. This platform is based on a new tool, called SciLite, which allows text-mined terms to be displayed as an overlay on research articles. SciLite makes it easier for Europe PMC users to scan articles for key concepts and identify relationships between them. Text-mined annotations provide deep links with related data, enriching articles with structured information. We believe that algorithms and applications developed by the text mining community will add significant value to the content and spawn innovative approaches to interacting with scientific literature.

The core mission of Europe PMC is to build open, full-text literature resources and support innovation by engaging users, enabling contributors and integrating related research data. We envision the future, where an open full-text article becomes a platform itself, seamlessly combining all associated information and helping to transform this information into knowledge.

Mariia Levchenko is a community manager for Europe PMC, a global database for life science and biomedical research literature. She is responsible for building relationships with various stakeholders and supporting discussions around the resource. Before joining Europe PMC at EMBL European Bioinformatics Institute, she obtained a PhD in Biochemistry from Göttingen University, and she has worked with the European Research Council Executive Agency. She is passionate about innovative solutions in scholarly communications that help the research community to advance scientific knowledge.

9.2 A Comprehensive Approach Towards the Curation of Born Digital Material by Leiden University Libraries
Mart van Duijn and Laurents Sesink
Leiden University Libraries, The Netherlands

One of the central tasks of Leiden University Libraries is to preserve academic heritage: the objects and the results of scholarship created through the centuries and everything related to the history, culture and traditions of the University. The Library has more than four hundred years' experience of managing the publications and archives of Leiden scholars, mostly written or printed on paper. The digital turn, however, has forced us to rethink our strategies and update our skills. We are confronted with a multitude of heterogeneous born digital materials, coming from different scholarly processes such as research, publication and communication. These developments pose serious challenges to our existing library infrastructure. Furthermore, Open Science will change the way researchers work and will affect the role of the academic library considerably. Therefore, we need to act.
Leiden University Libraries is currently formulating a policy on born digital materials, to create a workflow that will enable us to manage this material effectively, and to select or to develop services for the long-term storage and accessibility of these objects. One challenge is to maintain the integrity and authenticity of the materials in such a way that the digital objects can be presented in context through our online library catalogue, facilitating access to these objects as easily as possible. Our aim is to ensure that born digital academic heritage can be visible, usable and sustainable, in compliance with the guidelines of the Dutch national strategy for digital heritage. These guidelines demand a research infrastructure which is open and participatory, and which scales to the needs of users in the research, archive, libraries and heritage domains, and in step with international standards for trusted digital repositories.

To be able to manage disparate forms of digital academic heritage (publications, research data and software, websites, email, etc.), it was necessary, firstly, to develop a typology for born digital materials. We have devised a model which describes the different types of objects, along with the different domains in which they function (research, general library collections, heritage collections). Subsequently, we linked the different object types to relevant applications and to service providers to curate these objects. This model revealed that, at present, specific types of applications or services are not yet fully equipped to serve our purposes. Using this model as a basis, we are able to evaluate our approach and assess the selected preferred service providers through a series of pilot projects. At the moment, for example, we are collaborating with a Leiden professor who wishes to secure his paper and digital archive after his retirement, and who turned to Leiden University Libraries to assist with preservation.

In this paper, we will discuss the comprehensive approach followed by Leiden University Libraries, the object type/domain model, domain architecture and the various challenges that emerge more generally from the aim of managing born digital material.

Mart van Duijn studied medieval and book history at Utrecht University and the University of Amsterdam. In 2014 he received his PhD from the University of Groningen. He has worked in various libraries, and was appointed Curator of Western Manuscripts and Archives at Leiden University Libraries in 2013.

Laurents Sesink studied history at Utrecht University and historical information technology at Leiden University. As a former senior digitalisation services officer, technical scientific programmer, senior consultant/project leader, policy advisor, head data archive, head ICT Infrastructure (at the Royal Netherlands Academy of Arts and Sciences) and head Innovation and Projects at Leiden University Libraries, Laurents has a broad background in the area of Open Science.

Laurents is at the moment head of the Centre for Digital Scholarship (CDS) at Leiden University Libraries. The central objective of CDS is to support and to facilitate digital scholarship within Leiden University, in close collaboration with other centres of expertise, with research institutes and with national and international research support organizations. Researchers can contact the Centre for Digital Scholarship for questions, consultancy, training and workshops on Research Data Management, Open Access, Data Science and Digital Preservation.

In recent years, repositories for uploading, publishing, archiving and sharing data and code have emerged, with Zenodo perhaps the most popular one among researchers. The service is primarily used across different domains by individual researchers to promote their research work, while institutional repositories and comparable ‘official’ infrastructures as default platforms for managing data may have found some respect, but still do not work at a broad level. The reasons for reluctance with publishing and sharing data are manifold, but apart from any individual, ‘cultural’ or disciplinary idiosyncrasies, today’s infrastructure for enabling and supporting Open Science and Open Data still lacks the provision of some basic ‘features’ across different disciplines:

- Search and discovery of research output in terms of data, software, codebooks and provenance. In particular, aggregators and service providers for distributed, locally generated and managed research output face difficulties with tracking and indexing research results beyond traditional publications. For instance, there is no common solution
for indexing and searching data, while the whole process of notifying and synchronizing incoming metadata is yet not supported well enough, but is still heavily dependent on protocols like OAI-PMH. Another issue is the transdisciplinary approach towards discovery of research output, which normally is conducted by means of semantic integration of descriptive metadata, but is hard to achieve across different domains. Here, a geolocation-based approach may be more promising, with the majority of data contributions already providing structured metadata. One may also build on provenance information, which is both cross-disciplinary and ubiquitous enough to enable overall discovery and access both to data and tools processing that data.

Integration of research data with authority data and other external sources While researchers focus on their work, they should be supported best with its integration into existing information systems maintained by libraries and related organisations. Although this issue is already addressed by CRIS systems and scholarly identifier systems like ORCID, it is still an open task to relate a researcher’s output to his/her identity or to different taxonomies, which can help to categorise this output across different domains.

Integration with existing research workflows. Services like Zenodo are still very much attached to the traditional system for scholarly publishing; they require extra metadata for generating a persistent identifier, and they need data files plus README file and further documentation, all of which are often collected and provided as a ZIP file. Since this works fine from the point of view of publishing a researcher’s results, the straightforward consumption of this output is limited to relatively small amounts of data processed by local desktop programs, while normally there is no link to the infrastructure by which the dataset was originally created. Moreover, the data may contain ‘groomed’ data, so researchers might require the raw data to reproduce the same or different results, the latter as a general indicator for scientific progress.

Against this background, the talk will outline requirements towards a network of distributed data repositories accessible to different communities.

Timo Borst holds a Master’s in Computer Science and a PhD in Social Sciences. He is Head of the Department for Information Systems and Publishing Technologies at Leibniz Information Center for Economics (ZBW), and is involved in the development of library applications and infrastructures for Open Science.
Since 2014 university libraries in Catalonia have been working with the Libraries and Documentation Area of the University Services Consortium of Catalonia (CSUC) to support research through a working group (GTSR). The group focuses on open access, institutional and disciplinary repositories, ORCID and the Catalan Research Portal, and since 2015 it has given special priority to research data management (RDM). The aim is to help researchers with Horizon 2020 programme projects to meet the requirements of the Open Research Data Pilot, because the level of European funds obtained for university projects is significant and shows a positive trend.

The starting point for work on RDM was the completion of a specific course for library staff and a prospective survey sent to researchers from participating universities with H2020-funded projects. The survey confirmed the lack of knowledge of data management among researchers, and the GTSR has therefore focused on three main areas in the last year: providing support for the drafting of data management plans (DMPs); making recommendations on data repositories; and drafting a framework agreement for a policy on open access to research data.

To support drafting DMPs, we developed a guide on what a DMP should incorporate according to the guidelines of the H2020 framework programme, which includes the FAIR principles and is accompanied by selected examples from several real DMPs. This guide is available in text format and is included in the online tool ‘Research Data Management Plan’ (www.dmp.csuc.cat), an adaptation of the Digital Curation Centre’s DMPOnline tool.

Pending evaluation of creating a consortial data repository, we have created recommendations to support researchers in selecting a repository for their research data. The document provides sources for consulting disciplinary repositories (directories, publishers’ recommendations, etc.) and information on multidisciplinary repositories (a comparative table showing the type of data allowed, file size, associated licenses, cost of depositing, etc.) Finally, we developed a framework agreement for open access to research data supported by the Vice-Rectors for Research in the Universities of Catalonia, who have agreed to adopt policies at their universities within a year.

The RDM support services at each university have begun to offer advice on developing a DMP, selecting a subject or institutional repository, copyright, licences and citing data. The services also offer training and transfer activities aimed at raising awareness among the academic community. All these actions are now being monitored.

Lluís Anglada has a degree in Library and Information Science and Philosophy, and is Director of Open Science in CSUC. He is also a member of the LIBER Executive Board. He has been a member of the committees for professional conferences in Catalonia and Spain, the Executive Board of the Spanish Association of Academic Libraries, Rebiun (1995-1997), the Organising Committee for European meetings of ICOLC, and a member of the Library Advisory Board of Academic Press, Blackwell Publishing, Nature Publishing Group and Springer.

Ignasi Labastida has a PhD in Physics and is Head of the Office for Dissemination of Knowledge and the Research Unit at the CRAI (Library) in the University of Barcelona. He is a member of the Steering Committee of the LERU Community of Chief Information Officers, and a member of its working groups on Open Access and Research Data, a member of the LIBER Working Group on Copyright, and Project Lead for Creative Commons in Spain.

Clara Riera has a PhD in History of Art and Postgraduate qualification in Library and Information Science. She is Director of Research Library Services in the UOC. She has worked in bibliometrics support in the Institut Municipal d’Investigació Mèdica (IMAS-PRBB) and in the Institut Català de Tecnologia (ICT).
10.2 Museum Libraries as Change Agents in the Era of Data Science

Constance Rinaldo
Ernst Mayr Library, Museum of Comparative Zoology, Harvard University, USA

Jane Smith
National History Museum, London, UK

Martin Kalfatovic
Biodiversity Heritage Library, Smithsonian Libraries, USA

The purpose of this talk is to describe how natural history museum libraries and archives have embraced digitisation and technology to meet the needs of scientists who rely on content that spans historical and modern time to complete their research. The Museum of Comparative Zoology, Ernst Mayr Library of Harvard University (MCZ), Smithsonian Institution Libraries, and the Natural History Museum, London (NHM) will serve as the primary use cases described in this presentation.

Natural history museum libraries embrace open access and open science principles; in fact many have participated in digitisation designed to populate the Biodiversity Heritage Library (BHL). Additionally, museums are integrating specimen data from multiple collections and data links from literature to specimens. More than in any other field of science, researchers who use these museum libraries depend on the historical literature for the underpinnings of their research. The impact of the strategy to digitise content from the great natural history collections and share content for open access and responsible reuse has resulted in a global ‘biodiversity commons’ that improves research methodology. The scholarly enterprise encompasses partnerships among libraries, scientists, citizen scientists and researchers in the digital humanities with the result that there are collaborative grant submissions, opportunities for data mining, data sharing and data linking. National memory collections, previously hidden in archives can be exposed, stories developed and museums can integrate old data into new analyses. For example, field notes from early scientists provide a vast array of data that can be used to describe climate or to show the relationships of scientists with their peers in art, history and government. The accessibility of print collections and archives as they are digitised enables greater exploitation by non-scientists as well as scientists.

An unexpected result of digitisation is that new socioeconomic questions arise - when can digital surrogates replace physical collections? If print collections are dismantled once there is an acceptable digital copy, is anything lost? Many objects are readily available as a digital surrogate, and this allows us to think more flexibly about what we do with the physical material, although in museum library settings, there is value in the physical object (book, specimen) even if it has been scanned.

Co-location of museum specimens and the literature describing them can be better achieved with the digitisation of both sorts of objects; however, there is a loss of information if the physical objects are discarded. Physical objects contain information – chemistry, construction and other features that are elements for research, some yet undefined. Has the science embedded in museums become history? Library materials are physical things that have become objects of study along with the content that is more readily mined in a digital form. The sensory perceptions of specimens cannot be conveyed (yet) via digital versions.

Physical objects reflect social history and are elements of cultural heritage that may be compromised if only the digital surrogates exist. In effect, the museum itself becomes a database that incorporates physical and digital objects each with their own characteristics.

Constance Rinaldo has been the Librarian of the Ernst Mayr http://library.mcz.harvard.edu/ of the Museum of Comparative Zoology at Harvard University since 1999. She is a founding member (2005) of the Biodiversity Heritage Library, working with an international consortium of natural history and botanical libraries on the digitisation of taxonomic literature. She has served as Secretary and Vice-Chair (current position) of the BHL Executive Committee. She presents and publishes for library and biodiversity-related conferences, covering topics related to collection policies and assessment, digitisation, digital libraries, linking scientific endeavors with libraries and archives, and the awesomeness of BHL. She has been active in a variety of library organisations. She has a BA in Biology and Anthropology from the University of Massachusetts, Boston, an MSc in Zoology from the University of Connecticut and an MLS from the University of Maryland. Before Harvard, Connie spent ten years as the Head of Collections in the Biomedical Libraries at Dartmouth College and along with her MLS work, was an assistant in the National Text Digitising project at the National Agricultural Library, an early digitisation project. She also worked with the Digital Library for Earth Systems Education (DLESE), analyzing col-
collections. She is passionate about biodiversity and natural history and about working with local, national and global partners to make library collections connected, open and accessible for all.

**Martin R. Kalfatovic** is Associate Director, Digital Programs and Initiatives, at Smithsonian Libraries and Program Director of the Biodiversity Heritage Library. At Smithsonian Libraries, he is involved with scholar communications, mass digitisation, education and outreach, and product development and licensing. A regular contributor to popular and scholarly publications, he also writes on a variety of topics in his blog at UDC793. As the Program Director for the Biodiversity Heritage Library (BHL), a consortium of sixteen natural history, research, and botanical garden libraries, he participates in the global coordination of the BHL project, working with BHL partners in China, Brazil, Australia, the European Union, Egypt, Singapore, Mexico, and Africa. He earned his MSLS from School of Library and Information Science at the Catholic University of America in 1990. He can be found on Twitter @udcmrk and has an inordinate fondness for dodos.

**Jane Smith** joined the Natural History Museum in 2006 as Head of Library Collections and Services, and has been Head of the Department of Library and Archives since September 2012. She oversees the Library and Archive programme for digitising collections, and this includes leading the NHM’s contribution to the Biodiversity Heritage Library (BHL). She is currently Vice-Chair of the BHL Executive Committee. Most of her career has been spent in medical and scientific research libraries, where her roles have focused on developing services that widen access to collections, including digitisation, and where providing new ways to support researchers has underpinned all the Library projects she has been involved in.

10.3 Let’s Talk About It: Data Conversations as an Approach to Facilitating Open Data and Sustainability

**Hardy Schwamm** and **Masud Khokhar**

Lancaster University, UK

Funders and policy-makers view Open Research Data as ‘the next step in achieving the UK’s open science ambi-

**Hardy Schwamm** works as Research Data Manager at Lancaster University, and is currently involved in establishing Data Conversations as a researcher-led community platform where Lancaster academics can share their ‘data stories’ and learn from their peers. He also looks after research data-related systems such as Lancaster’s Research Directory. His background is in the Humanities but he has also worked with environmental research data for several years. He also enjoys life in the English Lake District, especially when riding his bike.
Research institutions throughout Europe are engaged in research information management (RIM, sometimes known as Current Research Information Systems or CRIS) practices to aggregate, curate, and utilise information about the research conducted at their institutions. These efforts are rapidly scaling nationally and transnationally, as advancing technologies, standards, and networked information offer new opportunities for interoperability and discoverability. Team members from OCLC Research are collaboratively examining this evolving ecosystem in conjunction with LIBER, specifically investigating the adoption and integration of persistent identifiers (PIDs) and their role not only for disambiguation but also their current and future use for supporting interoperability in research information management.

Our research study is a close examination of research management practices in three national contexts: Finland, Germany and the Netherlands, selected because they demonstrate useful parallels as well as differences that represent a host of emerging practices in research information management in Europe. In each of these countries, there is evidence of concerted efforts to develop shared research information management infrastructure operationalised at a group, regional or national level. Through a series of semi-structured interviews with practitioners and stakeholders within universities, national libraries, and collaborative ICT organisations, we are developing three robust case studies of national RIM infrastructure as well as specific examples of RIM practices and PID integration. This project is intended to extend and complement existing research on institution-scale implementations of RIM in European research institutions, and provide university and research library leaders with useful insights on emerging practices and challenges in research management at institutional, group, national and even transnational scales.

In our presentation, we will share the findings of our research, including our improved understanding of emerging interoperability concerns and incentives to adopt persistent identifiers for researcher names, publications, and organisations. We hope that our research will inform our collective understanding of how institutions, nations, and the broader transnational community is collecting and managing complex information about the relationships between researchers, institutional affiliations, research funders, and their affiliated research outputs.

Rebecca Bryant, PhD, serves as Senior Program Officer at OCLC Research, where she engages with library leaders worldwide through the OCLC Research Library Partnership, and leads collaborative research on research information management (RIM). She previously served as Project Manager for Researcher Information Services in the University Library at the University of Illinois at Urbana-Champaign, where she led institutional efforts to implement the Pure research information management system. She has also served as Director of Community at ORCID, where she led community outreach initiatives, particularly promoting ORCID adoption and integration by research universities. Earlier, she spent a decade in the University of Illinois Graduate College as Assistant Dean where she led numerous initiatives to support early career researchers, including the establishment of campus graduate career services and postdoctoral affairs. She also served on a campus-wide project team collecting assessment data from 62 PhD programs for the US National Research Council Assessment of Research Doctoral Programs. She has extensive experience of defining and launching new technology initiatives within the research university setting, including Electronic Theses and Dissertations (ETDs), and has served as a project leader on the system-wide Banner ERP implementation team at Illinois. She earned a Bachelor’s degree at Butler University, a Master’s from the University of Cincinnati College Conservatory of Music, and a PhD in musicology from the University of Illinois at Urbana-Champaign.

Annette Dortmund, PhD, joined OCLC in 2001 and for more than two decades has worked for and with European libraries of all sizes, including large academic, public, and governmental institutions with a focus on inventorizing and analyzing library needs from multiple perspectives.
During this time, Dr Dortmund has observed significant changes in the cultural, technical, and networked environment in which libraries and scholarly institutions work, including broader interoperability between systems and increasing group scaling of activities. She has most recently applied this knowledge on a joint project with OCLC Research and LIBER, specifically investigating the adoption and integration of persistent identifiers and their uses for supporting interoperability in research information management infrastructures. Annette graduated from Mainz University with a MA in Book Sciences, Latin Philology and Comparative Literature, and was awarded a PhD in 1998.

11.2 The GND initiative 2017-2021: Developing a Backbone for the Web of Cultural and Scientific Data
Jürgen Kett and Sarah Hartmann
German National Library, Germany

Combining data beyond the boundaries of systems and domains is a major concern of the linked data movement. One serious problem for the semantic web is dealing with reliability: can the data be trusted and do processes exist that guarantee high data quality? Of the same importance is sustainability: is a resource stable enough to be citable, or will it be gone at some point? These questions are of special importance in the context of research, where citability is essential, and for higher-level services that are based on this type of data. While it is not necessary for every dataset to provide a maximum degree of reliability in order to be useful, we believe that at the heart of a linked data web a reliable and stable core is needed, a backbone of trust, and cultural heritage institutions are in a unique position to provide parts of this core: connecting their local knowledge bases could lead to a huge graph of cultural and scientific information that is both reliable and persistent.

Authority files like the ‘Gemeinsame Normdatei’ (GND) make perfect bridges and stable anchors for cross-domain connections. Various museums, archives, research organisations and other partners outside the library domain (like Wikipedia) already contribute to the GND, and it is widely connected to diverse datasets and collections all over the world. But there is still much to be done to implement our vision of a cross-domain cloud-based interlinking platform. The organisation, rules, services and infrastructure around the GND need a complete revision to deal with a quickly growing network, and to reconcile the requirements of heterogeneous domains and disciplines. Further challenges are the strengthening of support for the management and visualisation of semantic connections and the integration into global data generation processes, along with the utilisation of improvements in the area of data analysis and machine learning (data mining). Along with GND partners, the German National Library will commence an initiative to move the GND to the next level. By 2021, the GND is to be gradually modernised, reorganised and expanded. In this presentation, we will outline the key opportunities and challenges and the highlights of our approach.

Sarah Hartmann is a librarian in the German National Library (DNB), where she works in the Office for Library Standards. Since May 2013, she has been part of the team at the DNB, which is responsible for the authority file – Gemeinsame Normdatei (GND) – used in libraries in German-speaking countries, and in numerous other institutions mainly from the cultural heritage domain.

11.3 TIB AV-Portal: Semantic Content Mining with Semi-Automatic Metadata Editing
Felix Saurbier
German National Library of Science and Technology (TIB), Germany
Jörg Waitelonis
yovisto GmbH, Germany

The German National Library of Science and Technology (TIB) constantly aims to promote the use and distribution of its collections. To meet these goals, it consequently foregrounds semantic web technologies, which ensure interoperability of metadata, allow for advanced methods of information retrieval (e.g. semantic and cross-lingual search) and improve ease of access to library holdings. Accordingly, the TIB publishes its extensive metadata on scientific videos provided by the TIB AV-Portal as linked open data. This data is expressed in the standardised Resource Description Framework model (RDF), and comprises both authoritative and automatically extracted metadata.

The latter is generated through different algorithms analysing superimposed text speech and visual content of the portal’s videos. In addition, the analytical results are mapped against common authority files and knowledge bases via a process of automated named entity linking (NEL) to facilitate reuse as well as interlinking of information.
But publishing data in ways which ensure interoperability and machine readability is only one aspect of the problem. For although there are rapid advances in the field of machine learning, content mining and automated metadata extraction still pose a significant challenge to libraries. This is mainly due to different qualities in primary materials and ontologies as well as inherent ambiguities, which may impede correct detection and linking with named entities. For example, the results of automated speech recognition strongly depend on sound quality and pronunciation. Accordingly, metadata extracted by algorithms still exhibits varying degrees of accuracy.

The TIB is therefore exploring novel ways of improving metadata, which both results from content mining and is provided as linked open data. To achieve this, a service combining direct user interaction with RDF-data and semi-automatic NEL is being developed, and will be implemented in the TIB AV-Portal. On the one hand, this will allow for interactive editing, extension, and correction of the analytical metadata and enable staff and users to manually improve overall data quality, and on the other, users will be provided with suggestions for supporting manual correction and expansion of the NEL results.

In our presentation, we would like to introduce a possible approach for a service ensuring publication of high quality and interoperable metadata. In the first part, we will briefly discuss our experiences with content mining/NEL and stored as RDF-triples. Based on that, the common challenges of semi-automatic procedures in improving data quality and user involvement will be highlighted in greater detail in the second part of the presentation. In conclusion, we will present possible scenarios for implementing and integrating this kind of service into the TIB AV-Portal.

Felix Saurbier is Head of Linked Open Data and Open Educational Resources Projects in the German National Library of Science and Technology (TIB). He holds a Master’s degree in history and literary studies (Bielefeld University), and completed a library traineeship at the Communication, Information, Media Centre (KIM) of the University of Konstanz and the Bavarian Library Academy. Prior to that, he worked as a research assistant at Bielefeld University, the Leibniz Institute of European History (IEG) in Mainz and Hamburg State Archive, specialising in the fields of historical corruption, digital humanities and digital long-term preservation.

12.1 Is the Doctor In? PhD to Professional: Complementary Perspectives in Research Libraries

Eleanor Warren, Kristine McDermid and Deirdre Andre
University of Leeds, UK

The role of libraries and librarians in supporting researchers is changing due to an evolving research environment. Changes in the scholarly communications landscape and in researcher skills development, as well as the emphasis placed on using bibliometrics to evaluate academic performance, have shifted the focus in many academic libraries, encouraging them to re-think how best to support their institutional research strategy. The challenge is understanding the needs of researchers and ensuring that research support librarians have the right skills to respond to these needs.

The 2011 report by the Research Information Network and Research Libraries UK identified the key characteristics of library provision required to support research in successful UK universities, with an emphasis placed upon the personal, professional and career development of researchers. In response, the University of Leeds, like many academic libraries in the UK and elsewhere, set up a dedicated research support team who have developed and diversified their skills to meet the broader support needs of the research community.

Expansion in numbers of PhD students in the UK in recent years has been accompanied by the professionalisation of researcher skills development, equipping students with transferable skills for careers outside, as well as inside, academia. Are the new generation of researchers therefore more suited to support the needs of other researchers than they have been previously? Can they offer a different, but complementary, skill set and perspective, to library school graduates without research experience? Understanding the needs - and, importantly, the behaviours - of researchers is integral to the provision of a successful library research support service, as demonstrated by the 2015 UK Survey of Academics (supported by RLUK). The peer-level support offered by library staff with research backgrounds, who can demonstrate a shared experience, understanding, and a personal enthusiasm for research, arguably has a role in developing stronger relationships between the library and the academy.

This paper surveys and discusses the changes in the skill set, qualifications, and professional experience, of research support staff employed at Leeds University Li-
library, and other UK research libraries. It explores whether the changes in library research support services and the development of specialist library teams has resulted in the recruitment of staff with different professional backgrounds, including researchers themselves. Analysing the findings, we consider what staff with a doctoral qualification can bring to a library research support team, and whether this is a reflection of a wider developing trend in research librarianship.

Eleanor Warren is a Library Research Support Adviser in the University of Leeds, UK. After completing a BA in History at Newcastle University, Eleanor graduated with a PhD in Medieval Studies from the University of Leeds in 2014. Her research focuses on late medieval ecclesiastical history, liturgy and archaeology in England. Eleanor has worked in Leeds University Library, in its Research Support Team, since 2015. Initially supporting the institutional Open Access policy, Eleanor moved to her current role in 2016, where, among other responsibilities, she manages the researcher skills development and training programme for postgraduate researchers and research staff across the university.

12.2 Essentials 4 Data Support: A Fine Course in FAIR Data Support
Ellen Verbakel
4TU, The Netherlands
Boudewijn van den Berg
SURFsara, The Netherlands
Marjan Grootveld
DANS, The Netherlands
This paper will examine how FAIR principles are integrated into a course for those involved in research data support, without calling them FAIR principles. The course in question is ‘Essentials 4 Data Support’, which combines face-to-face and online training.

The 2016 Report from the Commission’s High Level Expert Group, ‘Realising the European Open Science Cloud’ stated the following: “The number of people [needing data] skills to effectively operate the EOSC is, we estimate, likely exceeding half a million within a decade.” And in the same report: “well budgeted data stewardship plans should be made mandatory and we expect that on average about 5% of research expenditure should be spent on properly managing and stewarding data.” These goals are highly ambitious. To meet these challenges, a number of practical and well evaluated courses have been developed in recent years. An example is ‘Essentials 4 Data Support’, designed and developed by Research Data Netherlands (RDNL). This paper presents the FAIR principles and how the elements of these principles are incorporated into the course. For example: in the module on Data Documentation, we focus on metadata and what rich metadata means; in the module on Citing Data and Data Impact, Persistent Identifiers are explained.

The authors will show that ‘Essentials 4 Data Support’ is a FAIR course avant la lettre, teaching FAIR principles before they were announced as such.

Ellen Verbakel is a trained librarian, who works in the TU Delft Library. She has moved to the 4TU Centre for Research Data, where she now works as a data librarian. She co-developed the course ‘Data Intelligence 4 Librarians’, and was involved in redesigning the course as ‘Essentials 4 Data Support’. Being a coach on the course is a very important part of her daily work.

12.3 Empowering Educators with Digital Skills in a Distance Learning University
Christos Rodosthenous, Evgenia Constantinou and Panagiotis Themistocleous
The Open University of Cyprus, Cyprus

The new digital era and new learning trends are overtaking the traditional model of education and training. Educators need to acquire and harness new digital skills to cultivate a more open and transparent research lifecycle. The Open University of Cyprus (OUC) is the only public higher education institution in Cyprus that offers recognized academic programmes at higher levels of education, using the open and distance learning methodology. The academic programmes offered by the OUC are international, career-oriented and fit the needs of a continuously evolving economy for the development of new skills and new career paths. These programmes include undergraduate, postgraduate, PhDs and vocational training courses, which are delivered online, through a state of the
art eLearning platform that supports virtual classrooms, coursework submissions, content delivery and a suite of collaboration tools.

In this talk, we present the methodology and infrastructure used to train and empower the educators of the Open University of Cyprus (OUC) in using the information tools, the library resources and knowledge content available, while delivering online courses to students.

Furthermore, we place emphasis on the infrastructure that supports the educational methodology, which includes the eLearning Platform and the Library services. This infrastructure is also used to support the creation of educational content suitable for distance learning. Moreover, a detailed analysis of training needs is presented, followed by the steps taken to design and deliver a training course appropriate for OUC educators. This training course is delivered during the academic year, and includes various formats of training material, such as electronic resources, digital objects and webinars.

In this technological environment, the OUC Library Service aims to provide a wide range of electronic as well as conventional sources such as international databases, e-journals, e-books, digital collections and resources, offering comprehensive knowledge to its members and to the whole academic community.

Training programmes are provided on how to use the electronic library through the eClass eLearning platform, with the aim of familiarising its users with searching and retrieving data from electronic information sources, repositories and archives to which the Library Service offers them access.

In addition, distance seminars are provided to educators on how to use the ‘Kypseli’ digital repository, search and upload theses and dissertations published throughout the academic year. In parallel, training on how to prepare their digital collections for hosting them on the digital repository is also delivered to interested parties. Another focus is informing educators and researchers about publishing their work using Open Access. The results of the training process are supported by analytics gathered over the years of training. These analytics include metrics of educational material usage, watch times for on-demand videos and participation in the online seminars.

In concluding the talk, we aim to share our experience of training and supporting the OUC academic community with other information specialist communities with a common interest in this cause.

Panagiotis Themistocleous has been a Librarian in the Open University of Cyprus since 2006. He has an MA in Information and Library Studies from the Ionian University, Corfu in 2005, an Msc in Education Sciences (Continuing Education and Lifelong Learning) from the Open University of Cyprus in 2010, and an MBA from the Open University of Cyprus in 2017. He has been President of KEBEP (Cyprus Librarian and Information Scientists) from 2013, co-founder of CyRIC (Cyprus Research and Innovation Centre) in 2015, and a member of the SKOPALINO Forex Agent Forex Broker Committee from 2016. His research interests are focused on library and information science, lifelong learning and libraries, library systems, digital libraries, user education, digitisation and electronic information sources.
EU Copyright Reform: Delivering on Sustainable Knowledge?

Invited Speaker: Ms Julia Reda, MEP
European Parliament

The ongoing EU copyright reform could become a decisive step forward for libraries’ ability to digitise and make available Europe’s cultural heritage, if initiatives by the European Parliament to strengthen exceptions prove successful. At the same time, the Commission proposals on new layers of protection for news snippets, and on content monitoring obligations for Internet platforms, threaten the free flow of information online. Only broad alliances across different disciplines, including librarians, academics, privacy advocates, startups and online communities will ensure that the copyright reform ends up creating an environment in which libraries can fulfil their public interest mission of ensuring sustainable knowledge for future generations.

Julia Reda was elected to the European Parliament for the Pirate Party in 2014. She is a Vice-Chair of her Parliamentary Group, the Greens/European Free Alliance. In the European Parliament, she serves as a coordinator for the Greens/EFA in the Committee on Internal Market & Consumer Protection (IMCO), as a member of the Legal Affairs (JURI) and Petition (PETI) Committees, and was elected to the Enquiry Committee on the Emissions Scandal (‘Dieselgate’). She co-founded the Digital Agenda intergroup. Her legislative focus is on copyright and internet policy issues. In 2015, she was responsible for the Parliament’s evaluation of the Copyright Directive. Born in Bonn in 1986, Julia Reda was a member of the German Social Democrats for six years before joining the Piratenpartei in 2009, amidst a debate on internet blocking. She served as chair of the party’s youth wing from 2010 to 2012, and is a founder of the Young Pirates of Europe. She holds an M.A in political science and communications science from Johannes-Gutenberg-University Mainz, Germany.

The global Pirate Party movement was founded in 2006. Pirates, who believe in using technology for the empowerment of all, have so far enjoyed significant electoral success in Sweden, Iceland and the Czech Republic, and have raised the visibility of their techno-progressive agenda across Europe.

Moving beyond Research Data Management to Research Showcasing, Teaching Support, Conference Management and Cultural Heritage

Terry Bucknell
Digital Science, UK

Figshare for institutions was launched in 2014 to offer workflows to help institutions manage, control and showcase all of the research outputs created by faculty, and to efficiently meet the terms of the open data mandates that were coming out from funders. In the UK, EPSRC (Engineering & Physical Sciences Research Council) issued the first high profile mandate with a workflow which required data to be retained for up to ten years after the last use. In the meantime, new use cases beyond RDM and funder open data mandate compliance have emerged as institutions build out workflows to support data management plans and all the research objects produced in the research process.

Monash University has used figshare to showcase all the multimedia outputs of its School of Music amongst other applications (https://monash.figshare.com/mamu). While the broader OA agenda of preprint services and theses management are also being investigated and supported, institutions are increasingly thinking beyond RDM in pure STEM terms and are looking at building next-generation and integrated repositories and portals for special collections that can foster re-use of these materials by a new generation of scholars.

Sub-portals within the institutions are also being created bringing increased visibility and usage to the excellent and distinctive work of the departments. Cranfield University has also created sub-portals to expose the research from each of its research themes, one theme is Defence and Security https://cranfield.figshare.com/Defence-and-Security.

Other schools have used the power of the bi-directional figshare open API to store data on the figshare infrastructure and then flow that data to applications in feature-rich websites. The library team at St Edward’s University has used the figshare API to help Dean of Research Gary Morris, to showcase his tropospheric ozone pollution data (http://ir.stedwards.edu/natural-sciences/ozone).
Terry Bucknell joined Digital Science in February 2014 as Product Sales Manager, covering institutional sales for Figshare and Altmetric in the UK, Ireland and Scandinavia. He was previously an academic librarian at the Universities of Liverpool and Leeds, and has a background in Physics. He has been a member of the UKSG Main Committee and chairs their Research & Innovation Sub-Committee. He has served on the library advisory boards for a number of publishers, and was previously a member of the COUNTER Executive Committee and Jisc’s Electronic Information Resources Working Group (EIRWG). When not in his home office, Terry might be found walking the hills, trying to jog himself fitter, listening to indie music of the 80s and 90s, or buried in a novel.
Invitation to the LIBER 47th Annual Conference Lille 2018

HOST INFORMATION
On 1 January 2018, as a result of the merger of three public universities, the University of Lille will become the second university in France with 72,000 students. This project ‘Expanding and Sustaining the University of Lille Northern Europe’ was recently awarded the ‘ISITE’ label, a label of excellence bestowed by an international jury, and its ambition is to become one of the most significant Universities in Europe and the world. LILLIAD is part of the University of Lille.

LILLIAD - Learning Centre Innovation - opened its doors on 7 September 2016. LILLIAD is an environment that immerses the visitor in innovation through its design and activities, and in its unique combination of scientifically founded knowledge, innovatively designed meeting spaces, on - and offline - available resources and partnerships with excellence hubs. LILLIAD is a unique meeting and knowledge circulation space for students and citizens alike. It is accessible to all members of the University community, as well as to companies, visionaries, secondary schools and the general public. LILLIAD is composed of three main hubs: an events space, the Xperium which offers an itinerary of eight scientific, interactive, astonishing and fun experiences based upon a unique central theme and multi-disciplines, and a Library hub, which specialises in Lille’s Science and Technology university study domains and research. The collection presents a large number of accessible online resources, structured by themes: Applied Sciences and Management, Exact Sciences, Humanities, Life Sciences, Economic Sciences, and also Miscellaneous/Hobbies. The resources are available for onsite consultation or are remotely accessible to the University community (students, teachers, researchers, administrative and technical staff), as well as to authorised lecturers. Located in the Atrium, the documentary collection, dedicated to innovation, is also accessible for consultation by everyone.

VENUE
For conferences, workshops, exhibitions and annual scheduling, LILLIAD’s event space has two amphitheatres, an innovation promotion space and a multi-usage room dedicated to pedagogical innovation and design.

LOCATION
The Lille metropolitan area is situated at the very heart of North-West Europe and close to four important capitals: Brussels, London, Paris and Amsterdam. According to legend, Lille was founded in 640 by the giants Lydéric and Phinaert but, in fact, the first written trace of Lille can be found in 1066. Lille was under Flemish, Burgundian and Spanish influence before becoming French in 1667 after the conquest of the city by Louis XIV. Over the centuries, successive expansions made Lille the fourth city of France. With 36% of the population under the age of 25, it is a vibrant, young and dynamic city. In 2004, Lille was European Capital of Culture and was dubbed ‘City of Art and History’. In 2007, and again in 2010, Lille was awarded the title of ‘Internet City’. Lille is also deemed a ‘French Tech City’, thanks to the important role of its digital industries. Euratechnologies, Eurasanté and Plaine Images are hubs of excellence. Come and savour our old town, renowned art museum, stylish shopping, excellent dining options and our reputation for friendliness at the LIBER Annual Conference in 2018!
The LIBER Award for Library Innovation was instituted by LIBER and is supported by OCLC.

‘OCLC is a global library cooperative that provides shared technology services, original research and community programs for its membership and the library community at large. With thousands of library members in more than 100 countries, we come together as OCLC to make information more accessible and more useful.’

OCLC’s commitment to knowledge, education and public service includes furthering the advancement of librarianship. OCLC does this not only through its research and advocacy efforts but also by financially supporting awards and scholarships. As an innovative cooperative we are proud to sponsor the LIBER Innovation Award 2017.

The Innovation Award recognises the three abstracts which best describe innovative work within the overall theme of the Annual Conference ‘Libraries Powering Sustainable Knowledge in the Digital Age’.

The criteria (in order of importance) for the Award are:
- Level of innovation
- Impact on the wider library community (especially the European library community)
- Originality
- Quality of the abstract

The three abstracts which best fulfil these criteria are selected by the Conference Programme Committee. The Award comprises the opportunity to present the winning paper/poster at the 2017 LIBER Annual Conference in Patras, free Conference registration, and travel expenses and accommodation*.

The Conference Programme Committee for the 46th LIBER Annual Conference has decided to present the 2017 LIBER Award for Library Innovation to:

**Jens Vigen, CERN, Switzerland, Kristin Antelman, Caltech, USA** and **Alexander Nietzold, Tind Technologies, Norway**

Risk Aversion Narrows the Future of Libraries

**Lotte Wilms, National Library of the Netherlands, Michiel Cock, Vrije Universiteit Amsterdam, The Netherlands** and **Ben Companjen, Leiden University, The Netherlands**

Digital Humanities Clinics - Leading Dutch Librarians into DH

**Iva Adlerová, Czech Technical University, Czech Republic** and **Lenka Němečková, Charles University, Czech Republic**

University Library & Publishing House Synergy as a Solution to the Academic Publishing Puzzle

We congratulate the Award winners and look forward to presenting them with their Awards at the Annual Conference in Patras this summer!

**Jeannette Frey**
Chair, LIBER Conference Programme Committee

* The value of each Award is €1,000, including the Conference registration fee.
At LIBER's Annual General Assembly in 2005, members decided that a small premium should be added to the Annual Conference registration fee in order to permit grants to be made to assist member libraries in selected European countries to send representatives to attend LIBER Annual Conferences. The LIBER Annual Conference Fund supports participants from specific European countries each year on the basis of need and taking into account the location of the Annual Conference. The countries are agreed by the LIBER Executive Board annually at its October meeting, and decisions on applications to the Fund are made by the Conference Programme Committee.

The countries selected by the Executive Board for 2017 were Albania, Armenia, Bosnia and Herzegovina, Bulgaria, Croatia, Former Yugoslav Republic of Macedonia, Georgia, Greece, Kosovo, Moldova, Montenegro, Romania, Serbia, Turkey, Ukraine, Cyprus, Malta and Portugal.

The Conference Programme Committee for the 46th LIBER Annual Conference has decided to make awards from the LIBER Annual Conference Fund to the following applicants:

- Ioannis Clapsopoulos, University of Thessaly Library
- Nicoleta-Roxana Dinu, National Library of Romania, Romania
- Eleftheria Koseoglou, Aristotle University of Thessaloniki Library
- Burcu Muratoğlu, Koç University Suna Kiraç Library, Turkey
- Maria Ntaountaki, Technical University of Crete, Crete
- Renata Petrušić, National and University Library in Zagreb, Croatia
- Vanya Ruseva, New Bulgarian University, Bulgaria
- Adam Sofronijevic, ‘Svetozar Marković’ University Library, Serbia
- Mine Akkurt, Sabancı University, Turkey
- Milnovic Vasilije, Belgrade University Library, Serbia
- Kamil Yesiltas, Koç University, Turkey
- Sofia Zapounidou, Aristotle University of Thessaloniki
- Panagiotis Themistocleous, Open University of Cyprus, Cyprus

We warmly congratulate Fund recipients and look forward to meeting them at the Annual Conference in Patras this summer!
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Ground Floor

Floor 1

Secretariat
Map of Patras Centre

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2. Byzantino
3. Kontstantinos Palaiologos
4. Mediterranee
5. Galaxy
6. Astir
7. Patras Palace

Transportation
8. Train Central Station
9. Inter City Bus Station

Social Events
10. Pick up Point for Excursion
11. Old Municipality Hospital
   (Conference Reception and Photograph)
Map of University

Points
1. Conference & Cultural Centre
2. Library & Information Centre
3. Taxi Station
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