Action plan 2017 – 2018

Big Data Special Interest Group (SIG), sponsored by IT Section

Objectives of Professional Unit 2017-18:

1. *Contribute to the knowledgebase in IFLA that will enable librarians to assist researchers and themselves to use modern techniques and tools to analyse data and make new discoveries (Key Initiative 2.2, Activity 2.2.2: Promote the Hague Declaration on Text and Data Mining – with specific reference in the "Roadmap to Action" to create infrastructure and tools to analyse big data).*

2. *Help establish librarians' competencies for data management, data governance, and data literacy (Key Initiative 1.1, Activity 1.1.2: Expand and promote a framework for media and information literacies – with specific reference to **data literacy** which is currently not included in the scope).*

3. *Contribute to gathering a strong evidence base to inform current and future policy work on openness and access to data, information and knowledge (Key Initiative 2.1: Defining a long-term, sustainable information environment).*

Objectives	Project or activity	Main tasks	Responsibilities and timeline	Resources	Communications	Measures of success	Progress (mid-term)
1. Contribute to the knowledgebase in IFLA that will enable librarians to assist researchers and themselves to use modern techniques and tools to analyse data and make new discoveries	**Present webinars on big data science tools and techniques.**	Connect with the "Team Anaconda" community (Continuum Analytics) to host webinars on using the Python software development platform for analysing (big) data.	Chair to attend a software carpentry course to become familiar with the Python software development platform (December 2017).

Chair to attend virtual sessions of the AnacondaCON '18 conference to become | In need of a team of software experts to assist me in this project | Report back via Annual Report – this is a mid to long-term project. | Improved awareness in IFLA community on data science techniques and tools, with new appreciation what they can offer. | Attended software carpentry workshop in November 2017.

Currently studying video recordings of AnacondaCON '18 |

		familiar with the community setup and technical level of Python. Advertise and communicate webinar (June 2018). Present webinar (July 2018). Target specific library experts with skills on library data analytics. Entice experts to share experiences at WLIC2018 in workshop format.		conference.
Share case studies of successful big data projects in libraries.	Connect with library industry experts who have practical skills with library data analytics (public and academic libraries).			Have read book "Library improvement through data analytics" by Lesley Farmer, and have attended webinars on the topic.

2. **Help establish librarians' competencies for data management, data governance, and data literacy**	**Create a Task Force to produce a number of competency profiles that will help build capacity in libraries for supporting new roles in the area of data science.**	Chair to connect with COAR (Kathleen Shearer) to assist in this regard, using related work for Scholarly Communication and Research Data Management as a benchmark.	Chair to soundboard this with Wolfram Horstmann, and thereafter approach Kathleen (February 2018).	Not yet decided	An IFLA library community that is increasingly more data literate.	Not yet started, this is overdue.
3. **Contribute to gathering a strong evidence base to inform current and future policy work on openness and access to data, information and knowledge**	**In cooperation with LIBER prepare guidelines and literacy training for academic and research libraries, to advocate for the benefits of content mining as part of libraries' activities in research support.**	Chair to contact the LIBER executive director, Susan Rielly.	No target date and responsibilities defined yet.	Not yet decided	Academic and research libraries that advocate for openness to research data to allow for content mining for the purpose of big data analytics.	Susan Rielly resigned has LIBER executive directory, replaced for the interim by Astrid Verheusen.

Resource requirements

If you wish to request resources for any of your planned activities, ensure the details above are complete, then copy the project and task details from above and add the necessary detail below.

This replaces the Project Funding Application form used in previous years. It is therefore **extremely important that you submit it to your Division Chair and HQ by the deadline 30 October 2017.**

The Professional Committee will agree in the December PC meeting a draft allocation of funds for anticipated reimbursements during 2017. Following confirmation of the level of PC Funds for 2017, the Division Chairs and HQ Professional Support Officer will communicate with Units in January/February to finalise the details. The PC would also appreciate hearing about resource requirements you already anticipate for 2018.

Project or activity and Main task *Use your list above*	
Resources *Do you need specific skills, money or technology?* **For what do you need resources in relation to this task? Match your needs again the resources listed below***	
Amount of funding. **How much money would you like to request from Professional Committee Funds?** *Explain your rationale for the estimated amount in each case.*	
Timing.	

When would the money need reimbursement? *Usually reimbursements are made on production of invoices following completion of the work, however, pre-payment can be arranged in some circumstances*	

* Resources

Use the following list in order to identify what kind of activity needs resourcing and therefore what details the PC will expect to read. If you have other details or requests, do not feel restricted to this list:

1. Project meeting (please note that the PC Funds are extremely limited so physical meetings that need funding are not encouraged unless necessary to move a project forward urgently; please try to conduct discussions online or via telephone conference and coordinate your work online where at all possible) –
   a. why is the meeting needed and why can it not be conducted online,
   b. who needs funding (give names),
   c. where is the meeting planned and when (if known),
   d. what costs cannot be covered by the project participant themselves (hotel, flight, local travel, subsistence);

2. Publications –
   a. what document(s) need funding support,
   b. how many copies need printing, if any,
   c. what services are required, if any (editing, design, proof-reading, etc.),
   d. delivery of the document (from where, to where, why);

3. Meeting/workshop logistics – (if this is a project team meeting, see above), ensure there are details to describe the meeting appended when you submit this funding request to the PC (how many people are expected, what are the objectives, who are you partnering with, when and where is it anticipated it will take place, who will be the local organiser),
   a. what logistics need funding (computers, room hire, refreshments, printing),
   b. what participant costs might need support (travel, accommodation),
   c. what trainer costs are there (honorarium, travel, accommodation),
   d. by what other means is the event being funded (participants' own costs, sponsors, etc.). Give details;

4. Webinar –

a. What is being planned and with whom,
b. Who is the target audience,
c. What technical requirements are there;
5. Software –
a. What software is required and why;
6. Advocacy materials –
a. See the relevant number above (project meeting, publication, webinar, etc.);
7. Other - funding item not covered by the categories above.