

IMCW, Antalya 25 November 2014

**Management of research data collections
and the education gap:
the case of International Master DILL**

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DILL Digital Library Leadership

- International Master DILL, 1st Level: financed by Erasmus Mundus from 2006, ongoing
- Consortium of three Universities



...first semester


Oslo and Akershus University College of Applied Sciences

- Faculty of Journalism and Library and Information Sciences
 - Summer School

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- **Research Methods and Theory of Science (15 ECTS)**
 - **Digital Documents (15 ECTS)**


...second semester
Tallinn University

- Institute of Information Studies

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- Human Resource Management (15 ECTS)
 - Information and Knowledge Management (15 ECTS)

...second semester
Tallinn University

- Institute of Information Studies

- 
- Human Resource Management (15 ECTS)
 - Information and Knowledge Management (15 ECTS)

...third semester
Parma University

- Summer School (in Florence)

- Access to Digital Libraries (15 ECTS)
- Users and Usage of Digital Libraries (15 ECTS)

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Parma University

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...demographics



Australia	Ethiopia	Lithuania	Taiwan
Azerbaijan	Germany	Malaysia	Tanzania
Bangladesh	Ghana	Maldives	Thailand
Bosnia and Herzegovina	Greece	Nigeria	The Netherlands
Brazil	Hungary	Norway	Turkey
Botswana	India	Pakistan	Uganda
Canada	Indonesia	Philippines	USA
China	Iran	Poland	Venezuela
Colombia	Italy	Romania	Vietnam
Cuba	Kenya	Russia	Zimbabwe
Denmark	Kosovo	Serbia	
	Kyrgyzstan	South Africa	
	Laos	Spain	

DILL alumni and students



DILL curriculum

Data curators are individuals capable of managing digital objects and collections for long-term access, preservation, sharing, integrity, authenticity and reuse. In addition, they have a range of managerial and operating skills, including domain or subject expertise and good IT skills

**Data curator:
DILL definition**

Data curator roles

How data curator adds value?

- managing organization
- managing data
- user services

Education Gap: evidence on opinion of the stakeholders involved in education on research data management is still scarce

The aim of the research was to gain understanding of requirements and opinions of stakeholders

Objectives:

- Investigate the opinions of students

- Explore the outcomes of students research thesis on the topic

Research Data management: the Education Gap

2011 Melody Madrid

A Delphi Study of Digital Curator Competences: A survey of experts”,

2012 Ewelina Melnarowics

Because research data matters: a case study at Loughborough University

2013 Ana Pervan

The role of digital curator in the process of scientific data sharing in Particle Community in CERN

2014 Meghan King

Digital scholarly edition and digital libraries

Research done by DILL students

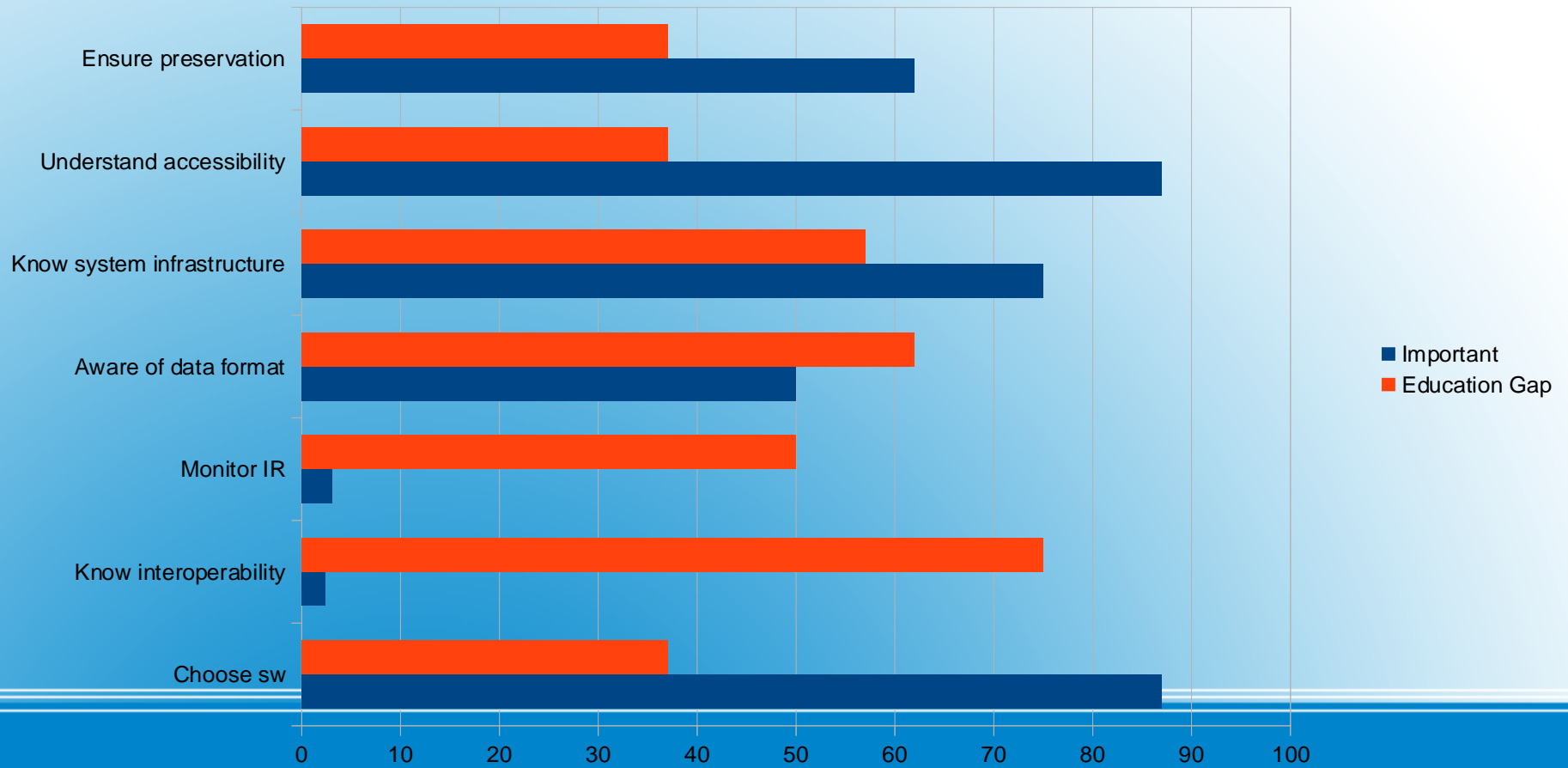
The implication is that the memory institutions traditionally responsible for collecting and preserving research results in order to make them available to the research communities (libraries, institutional repositories, to some extent archives) are today faced with the challenges posed by the inclusion of new types of data, namely research data and experiment data.

Traditional skill for research data

Data curation from the traditional archival perspective is moved to a more life-cycled one, and the field now requires practicing professionals to have a much broader range of knowledge, competencies and skills.

Archival vs Life Cycle approach

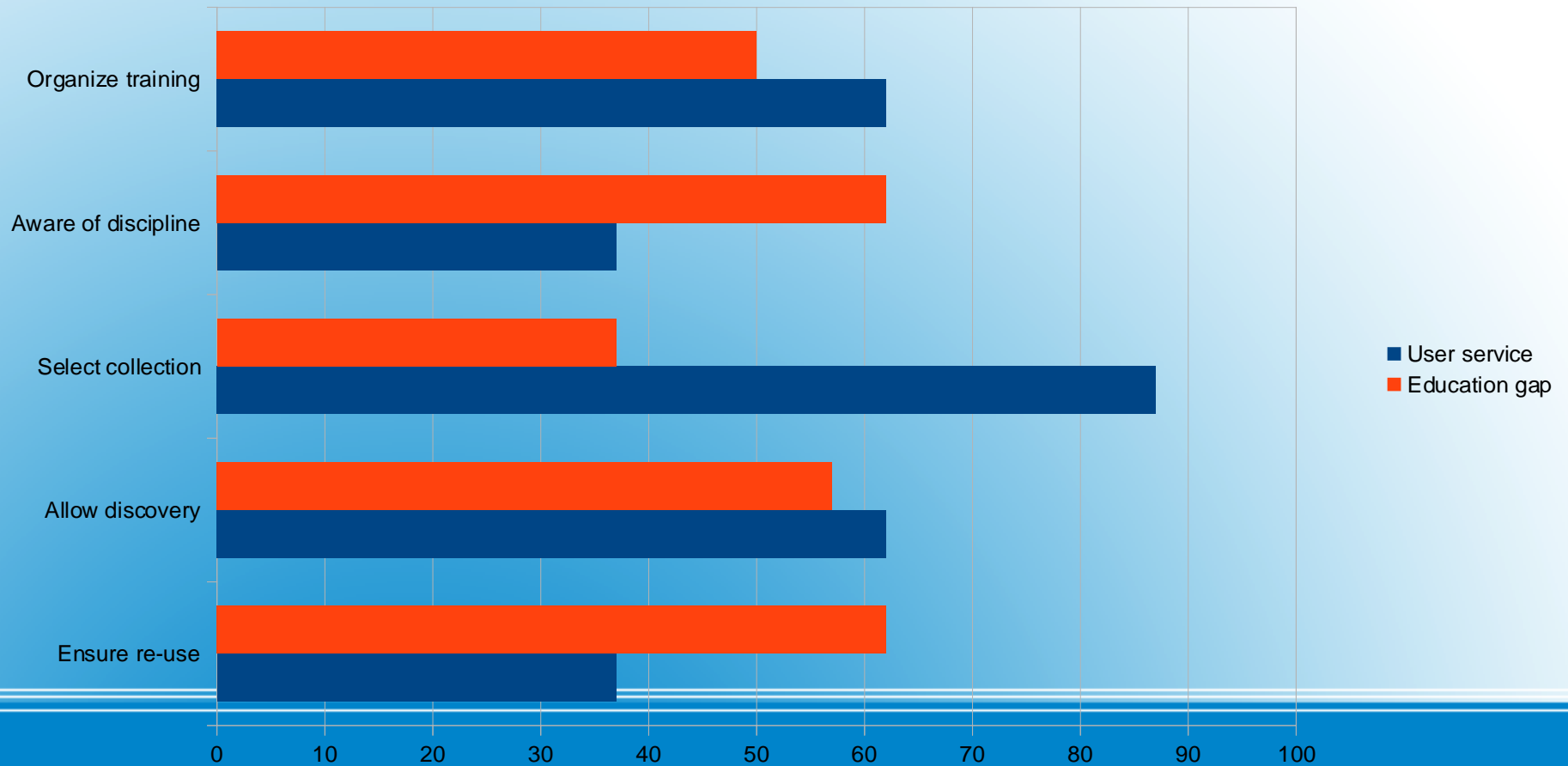
What student want: IT competencies



- It indicates those activities that add value and knowledge to the collections, and the added value is usually given by the curator or manager of the cultural institution.
- The services provided (by the curator) give evidence to this added value and also, since the curator is able to interpret the significance of the collection and to communicate it to the users, the services can assume an educational role.

Data curator added value

What the students want: user services competencies



Lack of central coordination

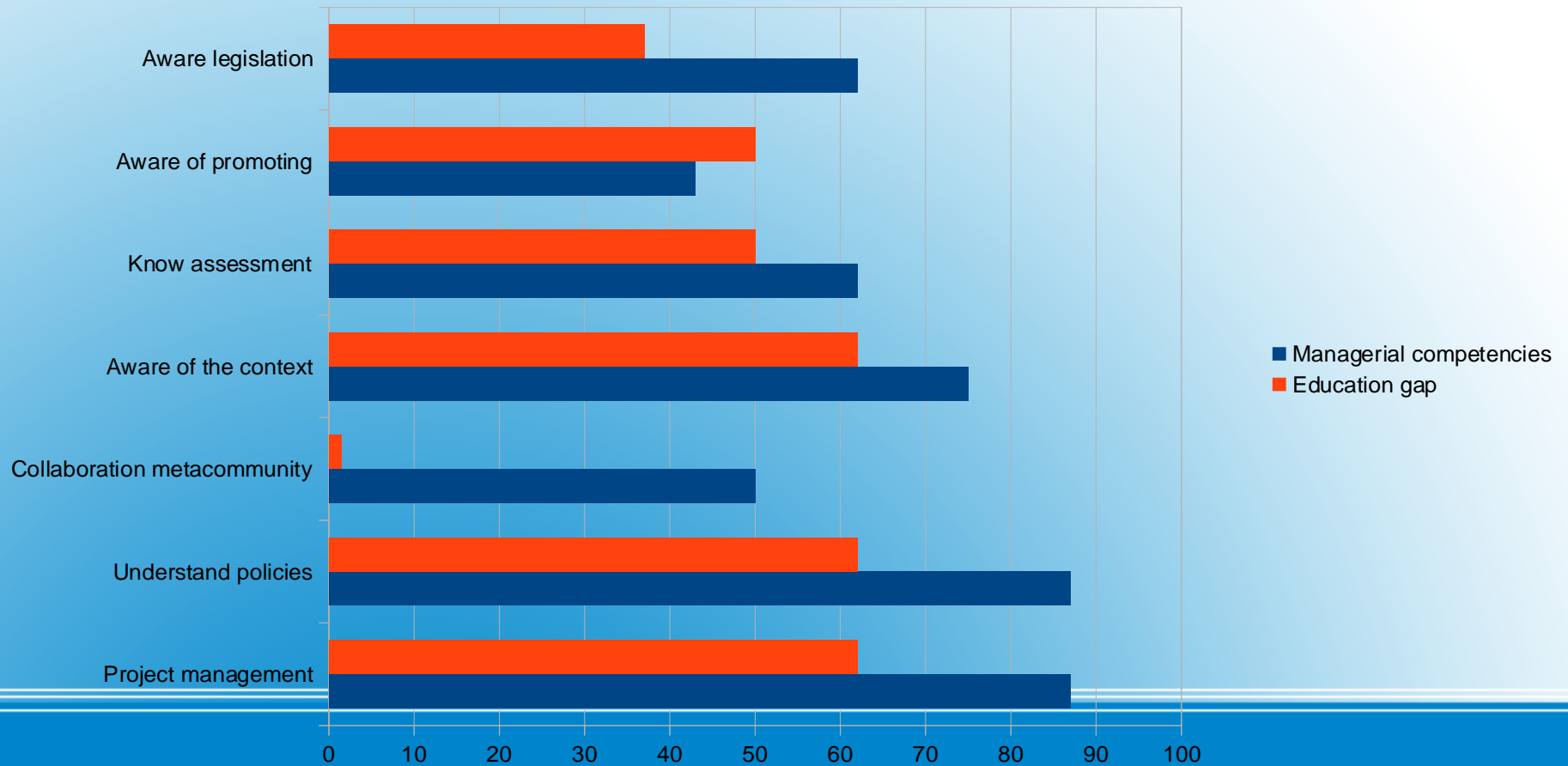
Research data practice

Researcher's approach to data

Business model and Costs

Case studies results

What student want: managerial competencies



- “knowledge about research data curation could support the development of potential tools. This tools could facilitate the storage and curation of data. This reliable and accessible data can than be promoted for re-use and collaborations ect.”
- “it will fascinate for the potential that comes in the landscape of information so it will really helpful in implementing in i-school education curriculum”.

Students perceptions

Metacommunity

- The management of research data is involving the integration and collaboration of researchers and practitioners
- A metacommunity is a group of diverse subdisciplines who share a common knowledge base

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Thanks for the attention!