

## Belmont Forum Digital Skills and Curricula Development Workshop

Friday, 28 April 2017

08:30 - 17:00 (Prater 2 Meeting Room)

[Courtyard Marriott Prater-Messe Hotel, Vienna, Austria](#)

### Meeting Objectives

1. Add detail and scope to the [Belmont Forum eInfrastructures Skills Gap Analysis](#) by identifying key digital skills needed by researchers to effectively shape, organize, share, find and reuse data in a transdisciplinary environment;
2. Identify and assess current training options that meet those needs;
3. Identify additional steps necessary for researchers to achieve optimal data skills.

**Hopeful outcome:** Identify and prioritize skill development needs and techniques to enable optimal performance as a research scientist in data intensive global change research, in both social and natural sciences. *Outcomes of the workshop will be used to develop a curricula report to help the Belmont Forum design future training requirements and initiatives.*

### AGENDA

Time	Activity
8.30-9.00	Arrive, badges, coffee
9.00-9.10	Welcome, introductions, icebreaking
9.10-9:45	Introduction to Belmont Forum and objectives
	Skills gap analysis report plus discussion
9.45-10.20	Lightning Talks I (x5): <ul style="list-style-type: none"> <li>• Matt Dobson (senior programme manager, NERC): <i>NERC's goals and expectations</i></li> <li>• <a href="#">Wade Bishop</a>: Knowledge, skills, and abilities of earth science data job incumbents</li> <li>• <a href="#">Lesley Wyborn</a>: <i>From domain to data: A case study</i></li> <li>• <a href="#">Andre Heughebaert</a>: <i>Biodiversity data publication and re-use</i></li> <li>• <a href="#">Jean Pierre Vilotte</a>: <i>The needs of transdisciplinary research</i></li> </ul>
10.20-10.45	Coffee break

10.45-11.45	First World Cafe discussion groups. <b>The 'What':</b> Topics include (1) numerical analysis (2) programming/workflow (3) data complexity, (4) data standards, (5) data discovery, (6) data management
11.45-12.15	Discussion, key insights captured
12.15-13.15	Lunch
13.15-13.50	Lightning Talks II (x5) <ul style="list-style-type: none"> <li>• <a href="#">Ivo Grigorov</a>: <i>Can open science make research grants more competitive?</i></li> <li>• <a href="#">Mustapha Mokrane</a>: <i>Development of the ICSU World Data System Research Data Management (RDM) training curriculum</i></li> <li>• <a href="#">Rebecca Koskela</a>: <i>DataONE Data Management Training - the different approaches to data management training</i></li> <li>• <a href="#">Louise Corti</a>: <i>Managing, sharing and handling research data: positive contributions from the social sciences</i></li> <li>• <a href="#">Oliver Watteler</a>: <i>CESSDA- Data management training in the social sciences</i></li> </ul>
13.50-14.50	Second World Cafe discussion groups. <b>The 'How':</b> Topics include (1) certification (2) format/delivery method (e.g. face to face vs online, intensive vs occasional etc), (3) interdisciplinary research challenges, (4) (overcoming) barriers to sharing, (5) skills development for mid-career researchers
14.50-15.20	Discussion, key insights captured <ul style="list-style-type: none"> <li>• <a href="#">Hugh Shanahan</a>: reflections on CODATA-RDA summer school and observations on workshop discussions</li> </ul>
15.20-15.45	Tea break
15.45-16.45	Open discussion - What are the recommendations?
16.45-17.00	Final wrap-up, next steps, and instructions for refreshments

*Please join the workshop convenors for appetizers and light refreshments in the Marriott dining room at 18:00.*

**About the hosts:** [Vicky Lucas and Fiona Murphy](#) are part of the team at the [Institute for Environmental Analytics](#), an applied research and development organisation specializing in environmental data analytics. This workshop is funded by NERC as part of the Belmont Forum e-Infrastructures and Data Management project.

#### **Instructions for Virtual Participation**

*Virtual participation will be available anytime upon request at the workshop on 28 April via GoToMeeting. Call in at 15:00 CEST for a moderated virtual participation for the wrap-up discussion.*

**Link:** <https://global.gotomeeting.com/join/694115421>

**Access Code: 694-115-421**

**You can also dial in using your phone:**

Australia: +61 2 8355 1038

Austria: +43 1 2530 22500

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Canada: +1 (647) 497-9373

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