

# International perspectives and initiatives on “third spacers”

Dr Michelle Barker

OECD GSF Expert Group Chair, Digital Workforce Capacity and Skills for Data Intensive Research  
Director, Research Software Alliance

Email: [michelle@researchsoft.org](mailto:michelle@researchsoft.org)

Twitter: @Michelle1Barker



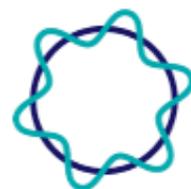
# OECD Global Science Forum Expert Group on Digital Workforce Capacity for Data Intensive Research



Recommendations to policy makers on how to facilitate the digital workforce capacity needed for data-intensive research, based on analysis of best practice.

Members from 15 countries, lit review, 13 case studies, international expert workshop.

Report out mid-year.



Academic  
Data Science  
Alliance

The  
Alan Turing  
Institute

**CIFAR**  
CANADIAN  
INSTITUTE  
FOR  
ADVANCED  
RESEARCH

J P C O A R  
オープンアクセスリポジトリ推進協会



gesis  
Leibniz-Institut  
für Sozialwissenschaften

A R D C  
Australian Research Data Commons

Software  
Sustainability  
Institute

 THE  
CARPENTRIES

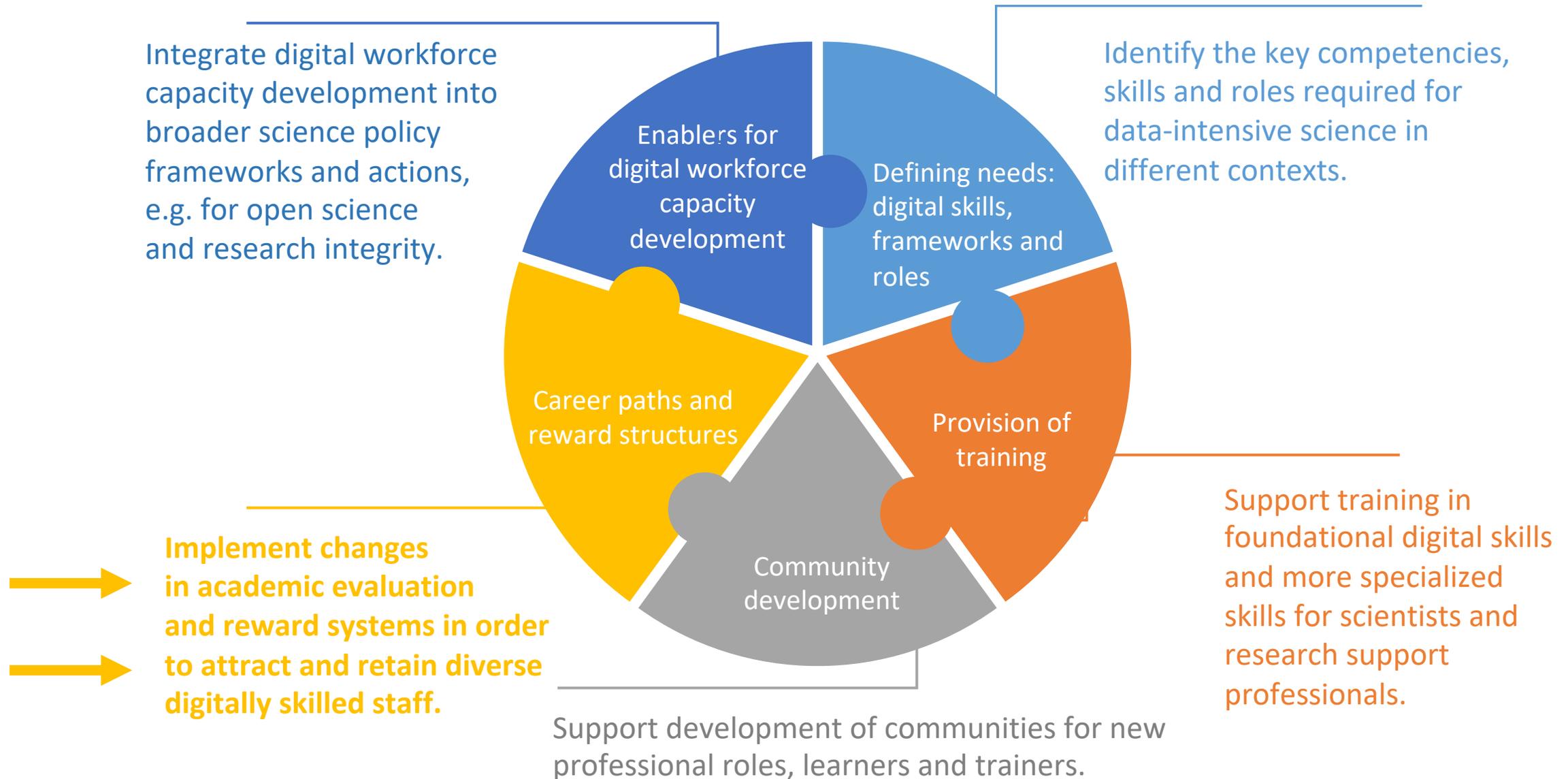
  
RESEARCH DATA ALLIANCE

 **TU Delft**  
Delft University of Technology

 **elixir**

  
MILLENNIUM  
INSTITUTE OF  
ASTROPHYSICS

# OECD report identifies change needed in 5 areas:



# OECD report: Recommendations for universities

- Develop and adopt frameworks to employ digital research support professionals in stable positions with opportunities for career advancement.
- Implement systemic institutional change around careers paths and alternative metrics to recognise a broader range of research contributions.
- Recognise datasets and software as valued research outputs.
- Incentivise collaborations between domain researchers and digital support staff with metrics that recognise the contributions of all members of research teams.
- Promote collaboration and exchange across industry and academia and recognise non-academic success for people wishing to re-enter academia.
- Encourage and support cross-sectoral digital skills initiatives .



# Some evidence of the challenges



## Australian research sector (2019)

1 EFT per 65 researchers  
1 EFT per 90 researchers  
1 EFT per 100 researchers

1 EFT per 200 researchers  
1 EFT per 250 researchers

Collection and analysis of research data  
Stewardship of research data  
Software-engineering support

Software training/advice  
Training/advice on research data

# Other international initiatives (& with thanks to)

- [Sorbonne Declaration on Research Data Rights](#) - Go8 signed

... the development of appropriate recognition for researchers who make their data FAIR and share it with appropriate open data licenses.

- San Francisco [Declaration on Research Assessment](#) (DORA) – UoM signed

... recognises the need to improve the ways in which outputs of scholarly research are evaluated.

- [Society of Research Software Engineering](#) - [Australia/NZ RSE](#)

- [RDA Professionalising Data Stewardship IG](#)

- [EOSC Executive Board Working Group: Skills and Training](#)

- [Open Science Policy Platform](#)

- [Academic Data Science Alliance](#) (US)

- [US NSF grant proposal guidelines](#) (2013): Biosketch can include products

