



SLOW BUT STEADY

DATA MANAGEMENT TRAINING AND RESEARCH CULTURE CHANGE

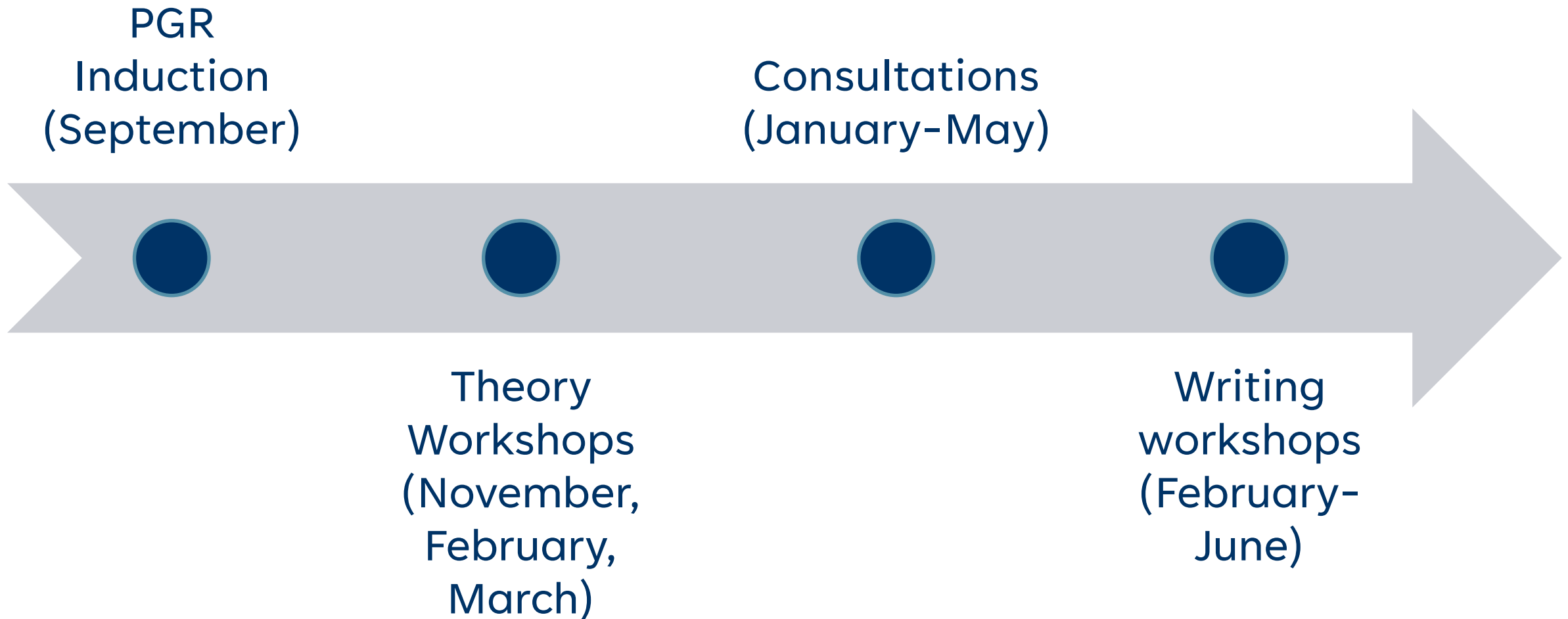
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A BRIEF HISTORY

- Data management plan (DMP) requirement since June 2022
 - DMP submission required at first-year review for research students
 - Initial training development and plan June-August
 - Webpage and guidance materials planned/developed August-September 2022
 - First dissemination in September, at postgraduate research (PGR) welcome sessions
 - Training sessions dispersed from November 2022-June 2023

PLANNED TRAINING TIMELINE



EARLY IMPLEMENTATION

- Interactive training key from early stages
 - Online training and all workshops
 - Aimed for interaction between participants
- Breadth: contacted all admin/directors of PG research
- Approached by schools of Divinity and History in December and January
 - Highlighted lack of awareness and different needs across disciplines
 - Shaped delivery of following trainings, with additional space for discussion and question-asking a key feature

TRAINING TOOLKIT

Strategic
question-
asking

Questions
received
diary

Post-training
reflection

Anonymous
engagement
exercises

Flexible
collaboration

‘Waterfall’
approach



HUMANITIES FOCUS: observations

- Discussion and group question-asking heavily influence understanding key questions
- Publication of datasets a sticking point
- Lack of awareness regarding storage solutions (especially for image-heavy projects)
- Need for supervisor training

HUMANITIES FOCUS: questions

What
is
data?

Why do I
need a
DMP?

Do I
have
data?

What IS data
management?

CHANGES IN DELIVERY APPROACH (HUMANITIES)

Theory workshops

- Slides shortened
- Longer Q&A/discussion time
- Engagement exercises introduced early in presentation

Writing workshops

- Informal approach
- Casual question-asking by leader in first half hour
- Sharing space with attendees



STEM FOCUS: observations

- Targeted question-asking, increased supervisor involvement with data
- Meeting funder/institutional requirements, storage solutions, publication
- Questions about complex projects (copyright, multiple kinds of data, sensitive data, data protection)
- Foggy understanding of repositories

STEM FOCUS: questions

What are
my
storage
options?

How can
I publish
my data?

How to
meet
require-
ments?

Can I store my
data in a
repository?

CHANGES IN DELIVERY APPROACH (STEM)

Theory workshops

- Slide content targets understanding of data publication vs data storage
- Links to relevant guidance posted throughout discussion
- Consultations encouraged for students with complex projects

Writing workshops

- ‘Come & go’ format
- Signposting approachability via whiteboard
- Reviewing available resources

DELIVERY in NUMBERS

Over the first year of delivery, we had a high level of engagement across students eligible for first-year review.

Engagement was less pronounced amongst supervisors, and is targeted for the upcoming year.

METRIC	NUMBERS
Eligible students who received training	155
DMPs submitted	160
Schools represented	17 (of 18)
School-specific training sessions	9



OTHER RESOURCES DEVELOPED

- Email query responses, communication with schools
 - Electronic research notebook support
 - Blogs (especially targeting humanities)
 - Thematic book displays linked to data
 - Guidance documents
 - Webpage
 - Twitter/X

LESSONS FROM OTHER RESOURCES

- Web users expressed a strong desire for ‘sample’ DMPs, which were developed and presented during training
- Interest in electronic research notebooks is moderate but growing, with a jump in October and steady monthly increase in users to present
- Blogs were most likely to reach humanities students, while Twitter/X was a good tool for connecting with early career STEM researchers
- While outreach to students was successful, outreach to supervisors could expand and should consider additional channels in future

LOOKING AHEAD

We are looking forward to...

Supporting supervisors

- Policy
- Content
- Considerations for complex projects

Increasing quality of DMPs

- Identify weak areas in submitted DMPs
- Targeted training

Continuing adaptive training

- Look for needs across disciplines and meet them creatively
- Flexibility is key!



QUESTIONS?

THANK YOU

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