



Surveying the provision of research integrity training in Japan, India, the UK, the USA, and Australia

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Research Integrity Training — we weren't sure where we were starting from

So we sought to find out how and what researchers learn about research integrity

In 2019, *Nature* hosted a meeting of stakeholders from all parts of the Australian research community — including representatives from business, government bodies, university and research institutes, and funding organisations — to discuss research integrity and good research practices.

The aim was to drive the conversation about how to improve the way research is conducted, reported, and rewarded. One of the most striking outcomes of this meeting was the realization of how little anyone knew about the level of understanding or training offered to researchers in research integrity.

So, we (initially) partnered with the Australian Academy of Sciences to conduct a survey to find out.



Australian researchers call for mandatory research integrity training

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By: Ed Gerstner, Gregory Goodey, Chris Graf and David Swinbanks, Wed Jun 8 2022

In 2019, *Nature* hosted a meeting of stakeholders from all parts of the Australian research community — including early- and mid-career researchers, university leaders, and funders — to discuss research integrity and good research practices. Acting on a key recommendation from that meeting, we partnered with the *Australian Academy of Science* to conduct a survey of researchers at all levels of seniority, from PhD students to Vice-Chancellors, at a total of 34 universities, 26 medical, biomedical and health research institutes, 10 corporates and 3 government institutes including CSIRO, to gauge the level of their understanding of research integrity, what institutions provide, and to find out what more can be done.

The results of the survey released earlier this year, but also left some big questions and explore below. Over two-thirds of the institutions offered training in research integrity, and more than 80% of researchers more likely to report the existence of research integrity training. More than 80% of mid-career researchers (86%). More than 80% of researchers research integrity training was mandatory for all researchers, and that it should be mandatory for all researchers.

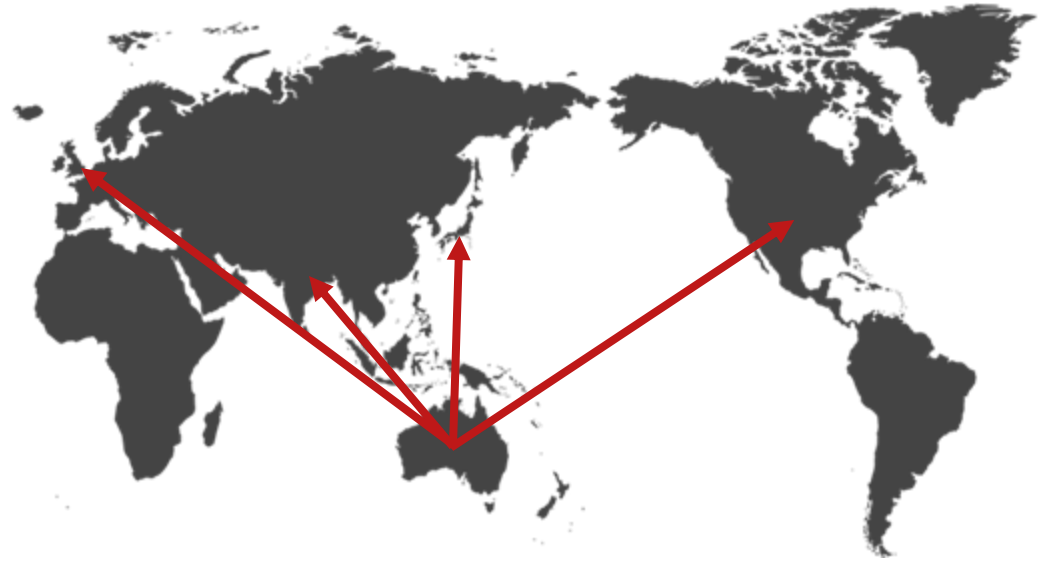
Good versus bad

Although research integrity, or rather



Since then we've extended the survey to the UK, the USA, India & Japan

In partnership with

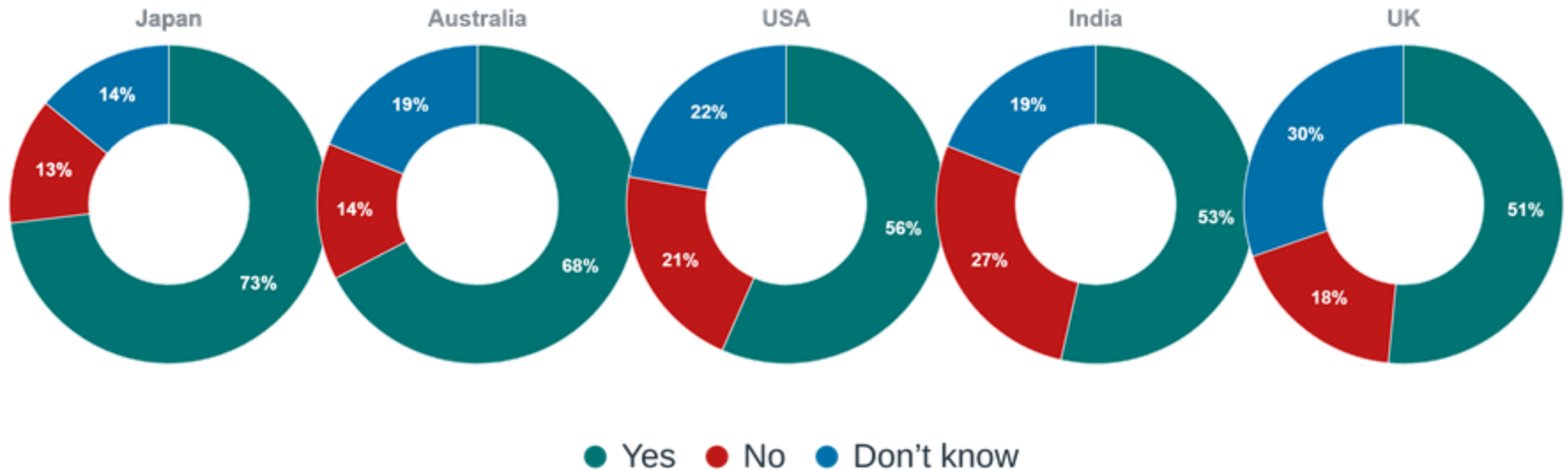


... and others.

Who has access to training in research integrity?

Japanese and Australian researchers were more likely to report they had training than those elsewhere

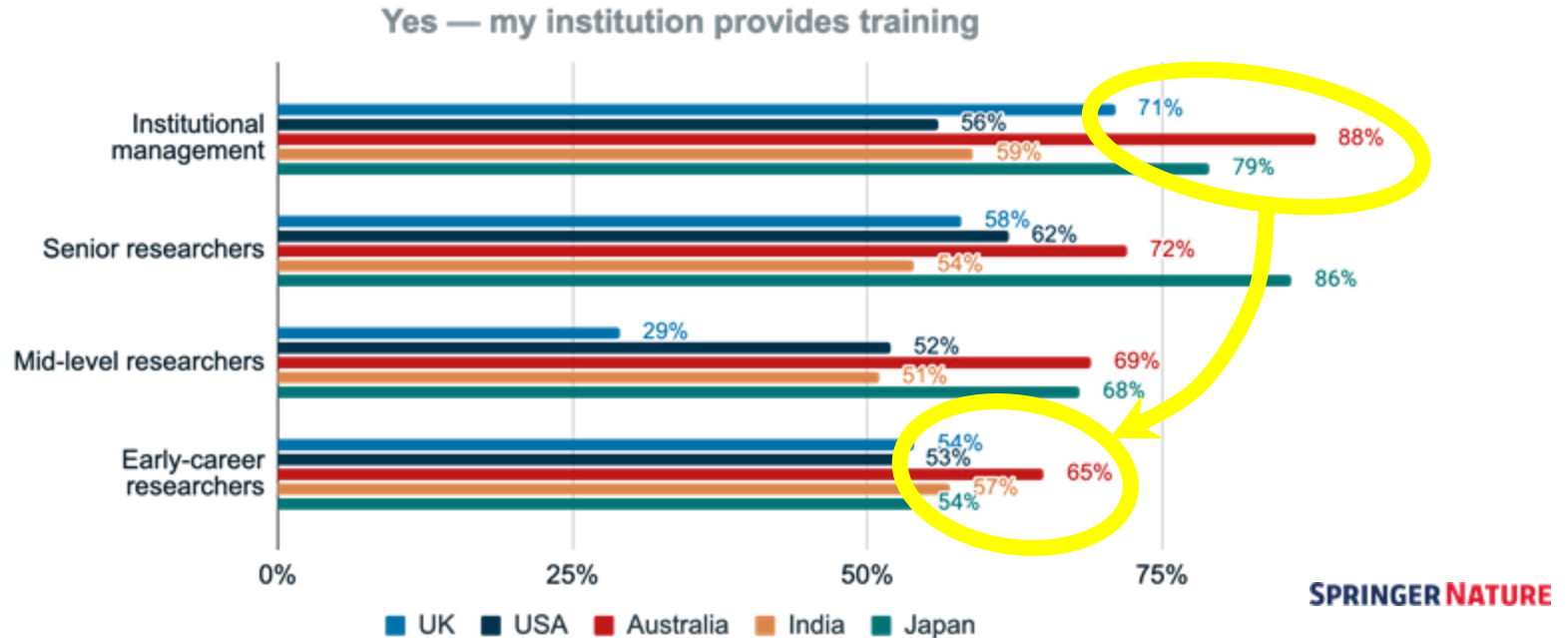
A substantially higher proportion of participants from Australia (68%) and Japan (73%) reported that they had access to Research Integrity Training than those in the USA (56%), India (53%), or the UK (51%).



Who has access to training in research integrity?

Institutional leaders more likely to report training exists than early career researchers

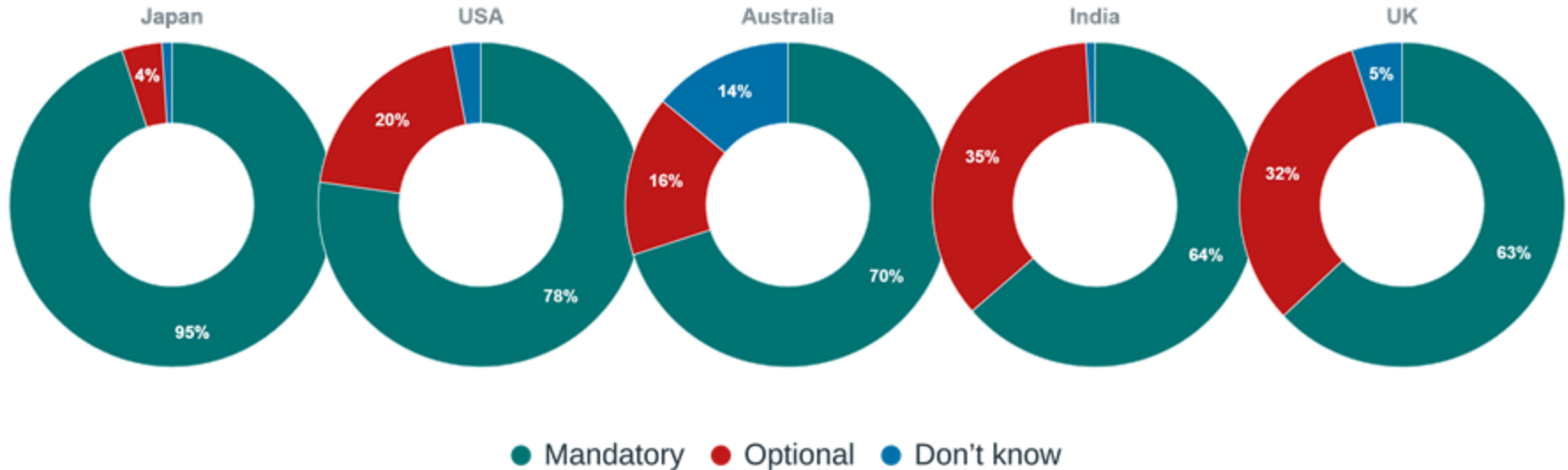
Institutional leaders and senior researchers were more likely to assert that their institutions provided training in research integrity than early- and mid-career researchers. The differences were most stark in the UK, Australia, and Japan.



Is research integrity training mandatory?

Majority of respondents reported that if training is available, it is mandatory

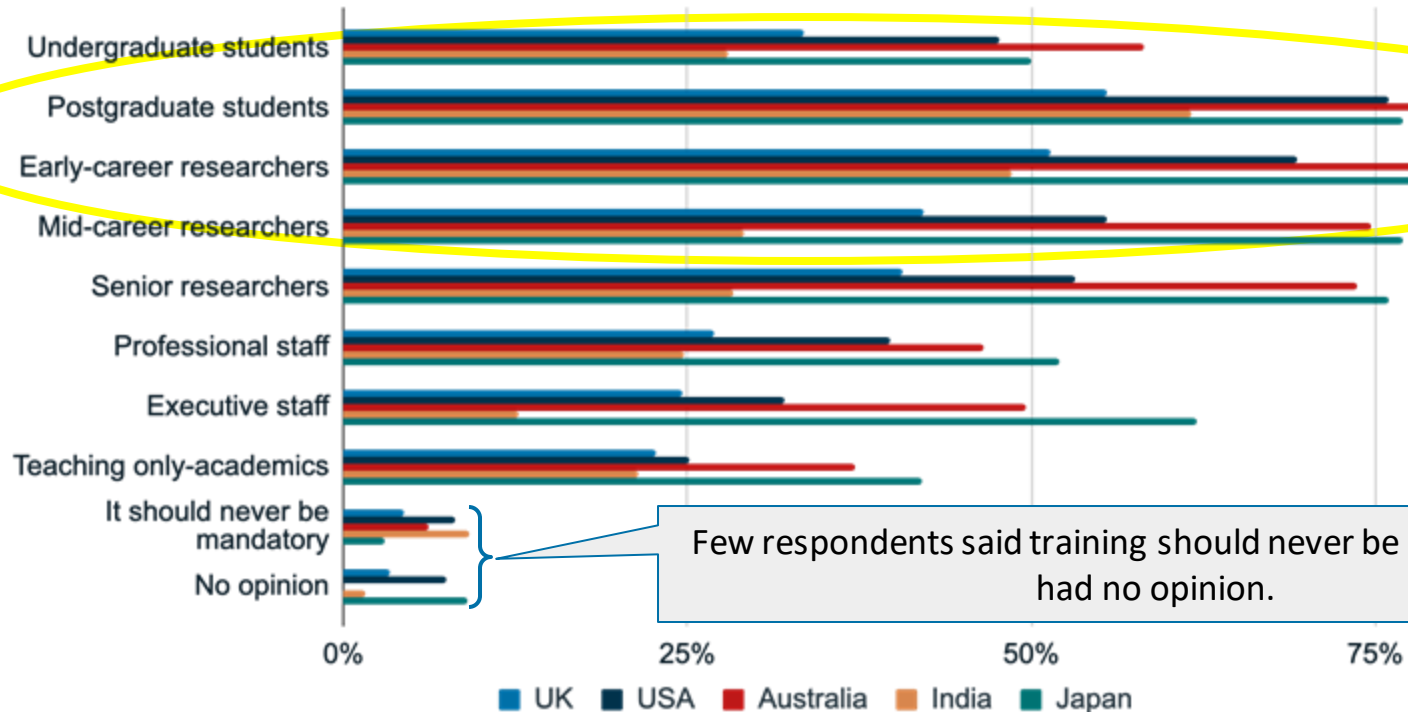
For those who had access to training, respondents from Japan (95%) were most likely to report that it was mandatory, those from the UK (63%) and India (64%) were least likely, and those from Australia (70%) and the USA (78%), in between.



SHOULD research integrity training be mandatory?

Most felt training should be mandatory for postgrads and early career researchers

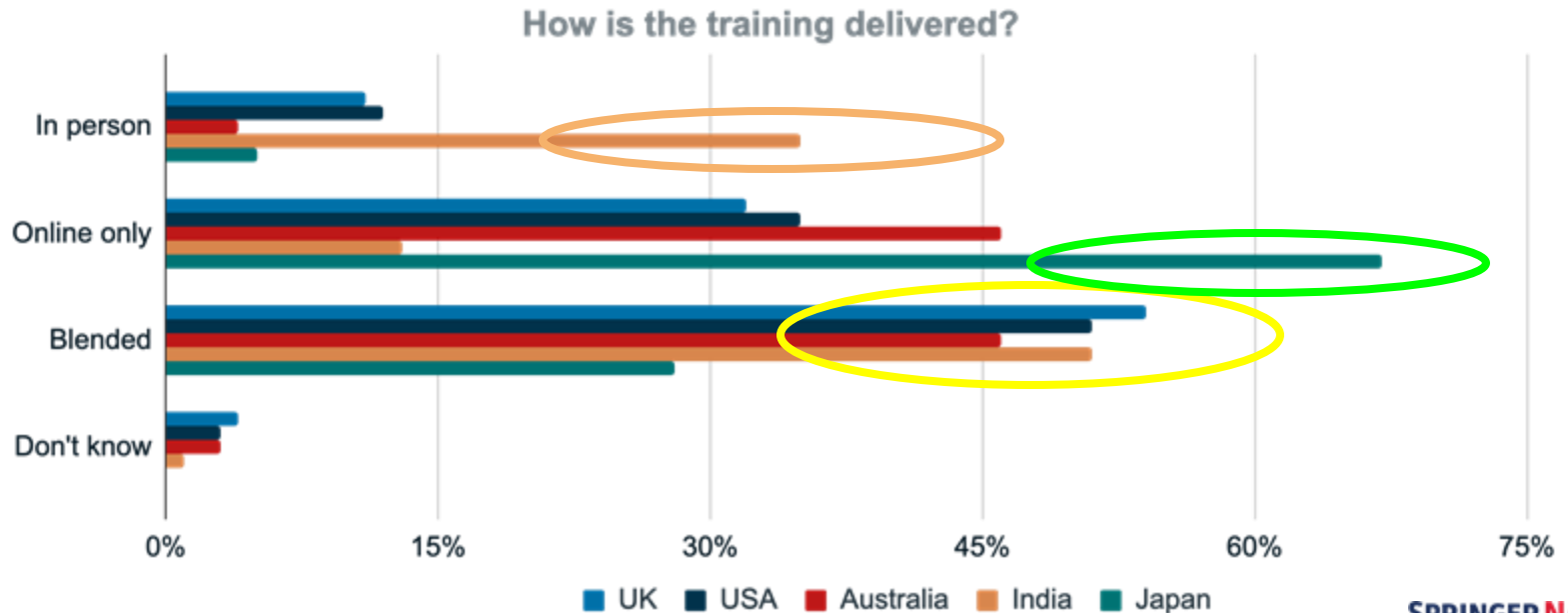
For whom SHOULD research integrity training be mandatory?



Few respondents said training should never be mandatory or had no opinion.

How is training delivered?

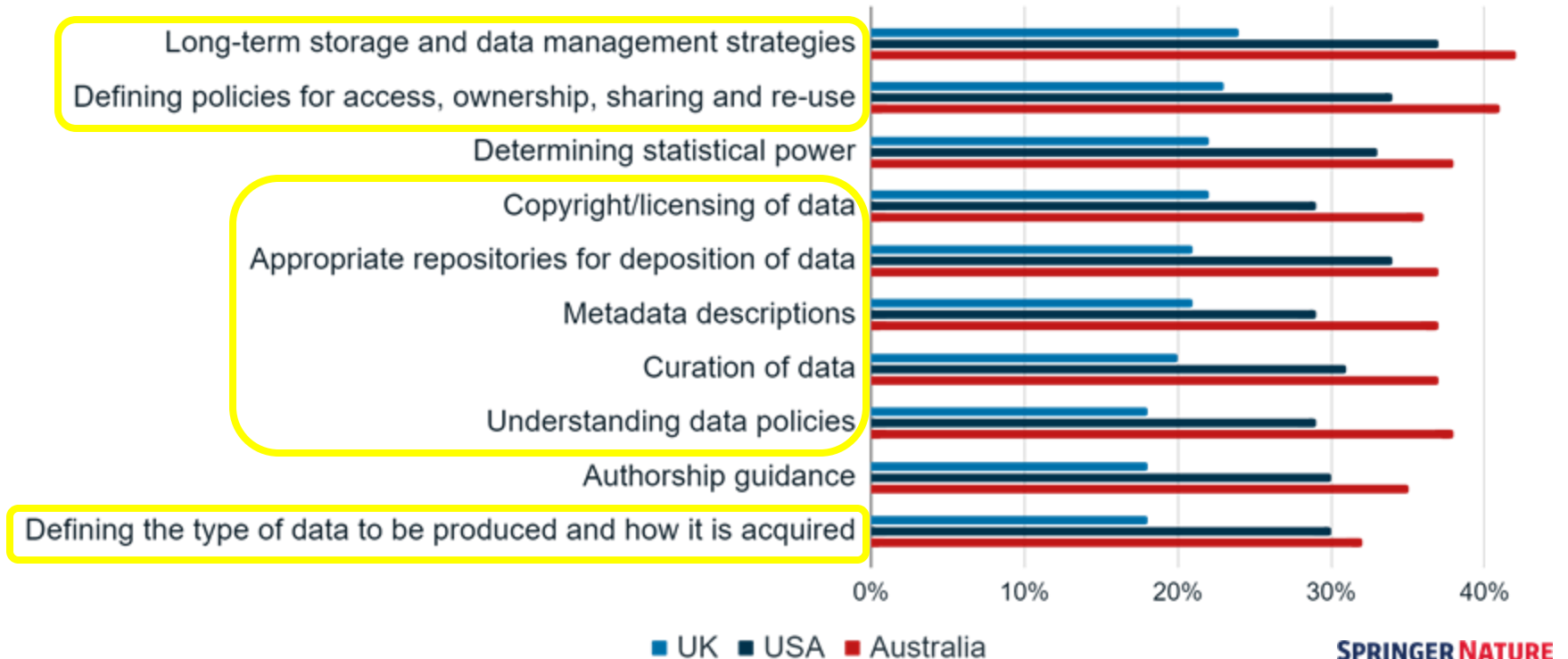
In the UK, the USA, Australia, and India, a blended combination of online and in person delivery of training is most common. In Japan, online only is the most common. In India, the next most common is delivery in person.



What's missing? — More data training wanted

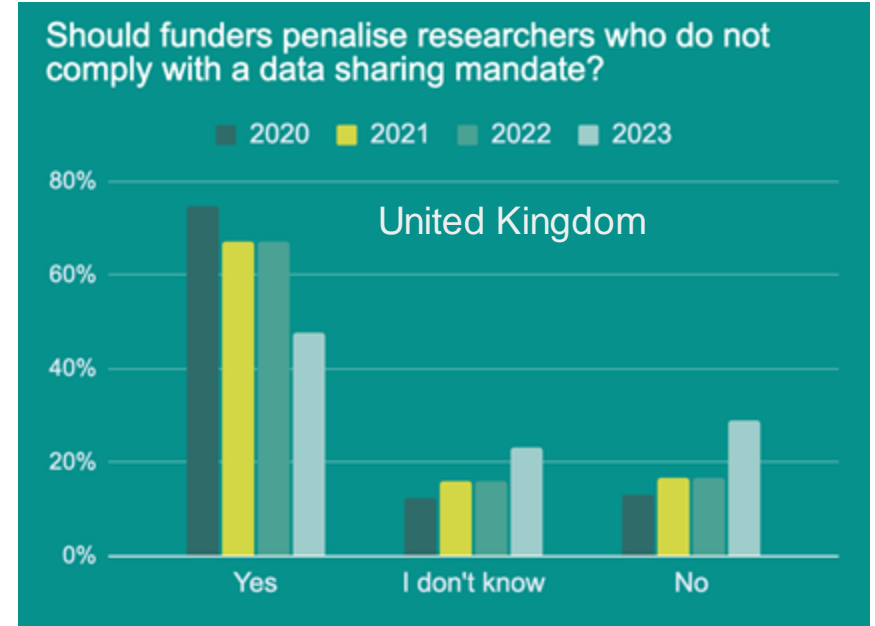
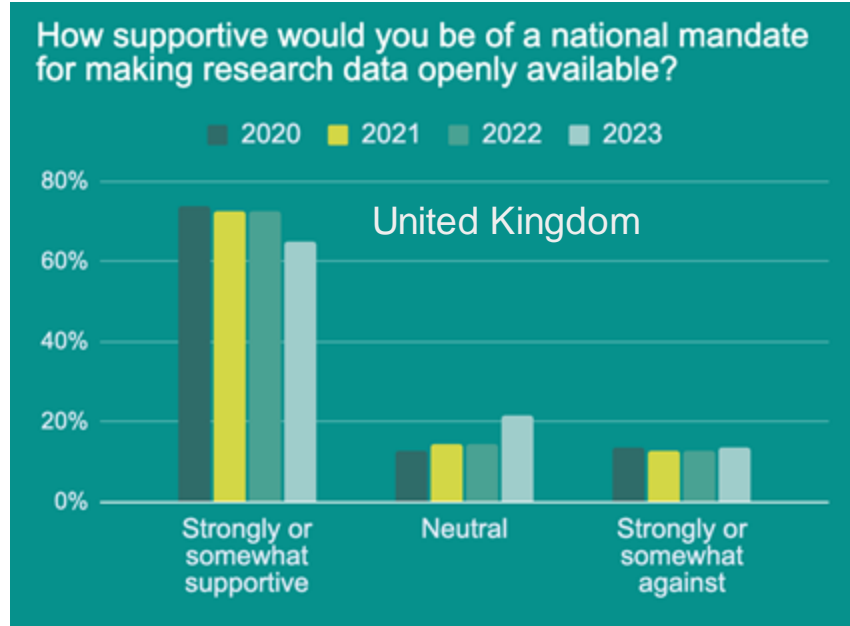
In UK, USA, and Australia, 8 of the top 10 most desired topics for further training are related to data

Top ten topics where more training is desired



Support among researchers for national mandates is falling

State of Open Data survey found a marked drop in support for national open data mandates



Thank you

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Thank you to our partners



JAAS
Japanese Association
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Indian National Young Academy of Science