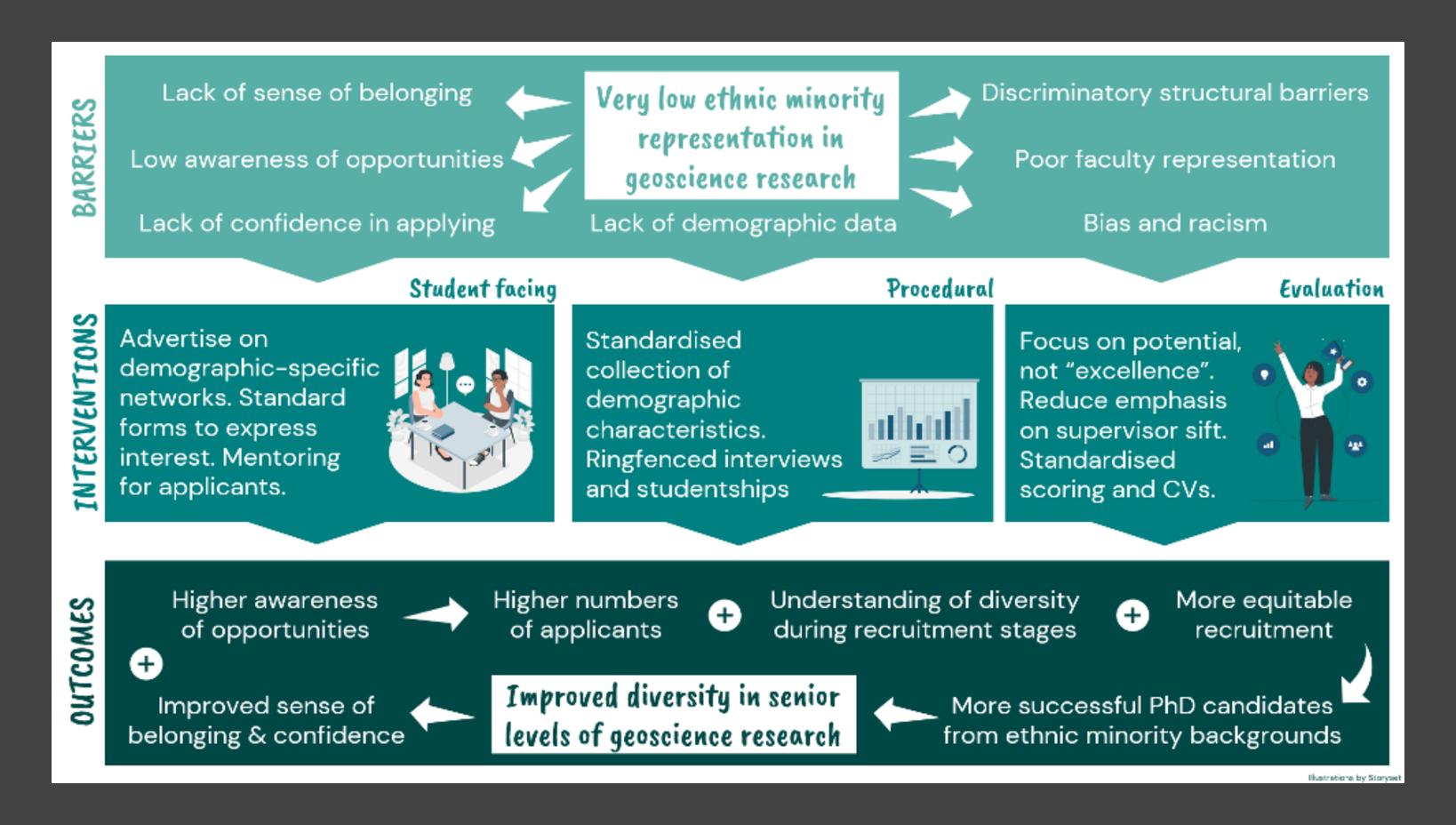
But what can we do?

Equality, Diversity, and Inclusion during your PhD



Benjamin Fernando (he/him)

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About Me!



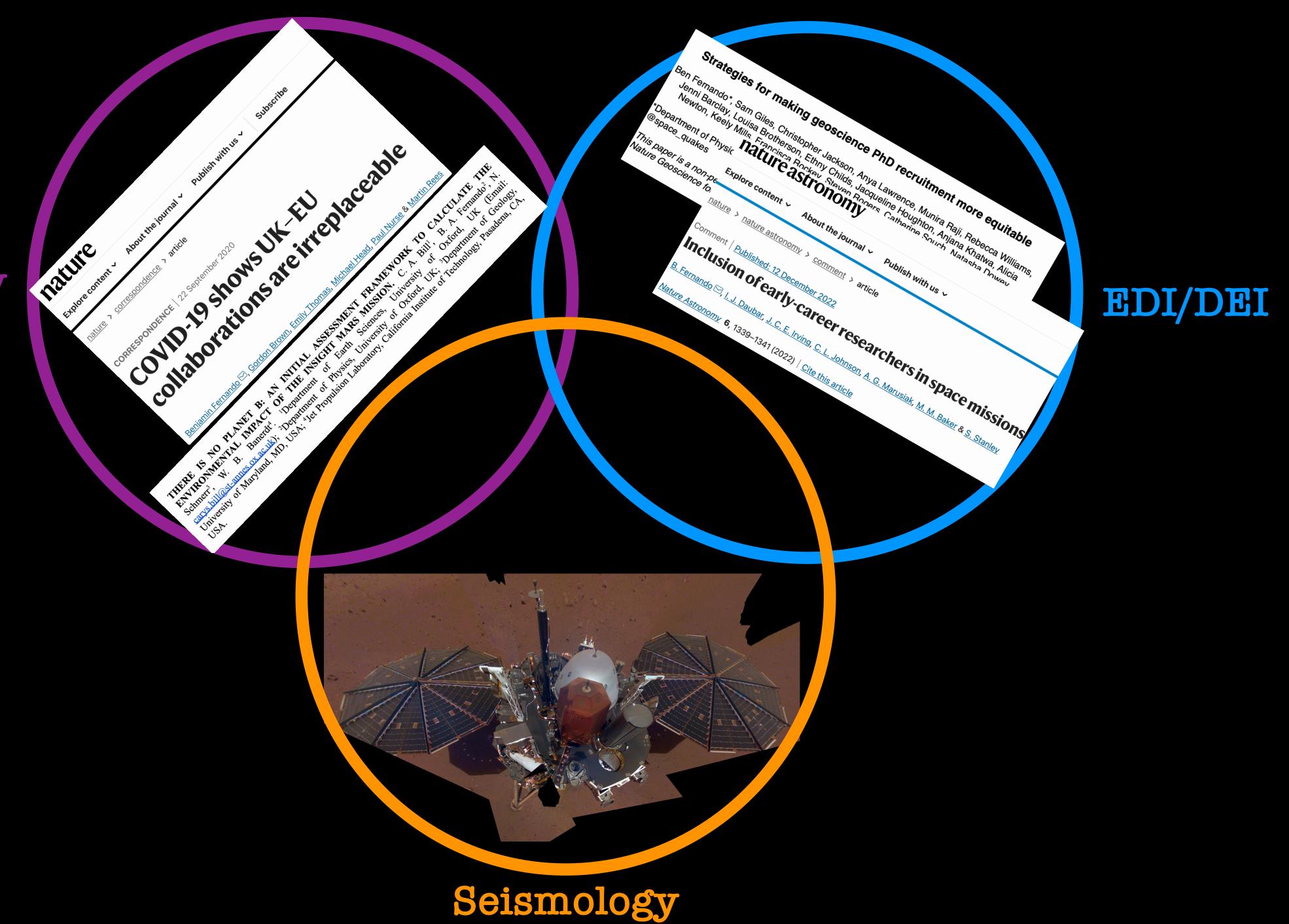






Research Interests

Science Policy



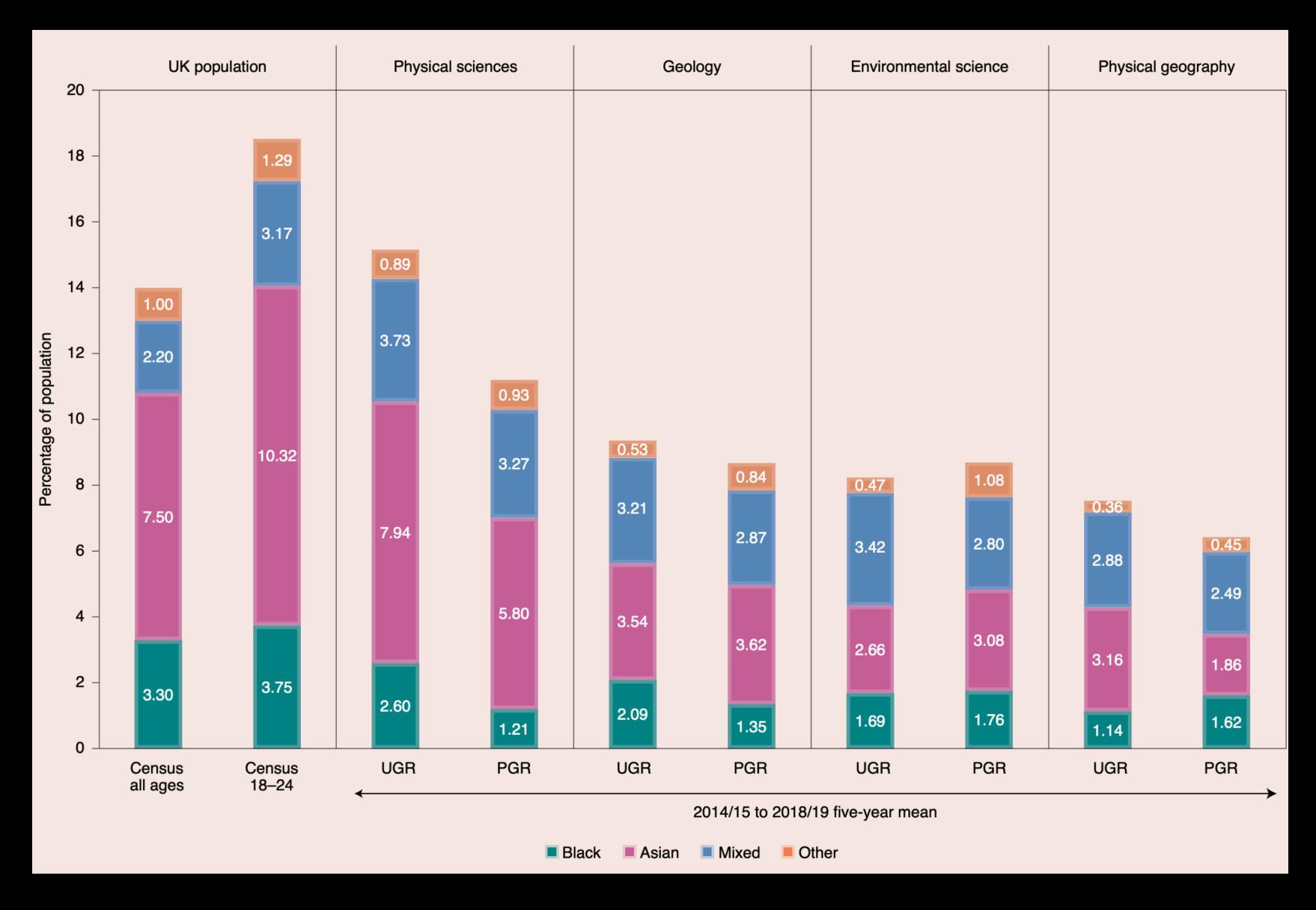
Disclaimer & Preamble

"All models are wrong, but some are useful" (~George Box)

(I didn't really know what I was doing when I started this - and don't really still!)

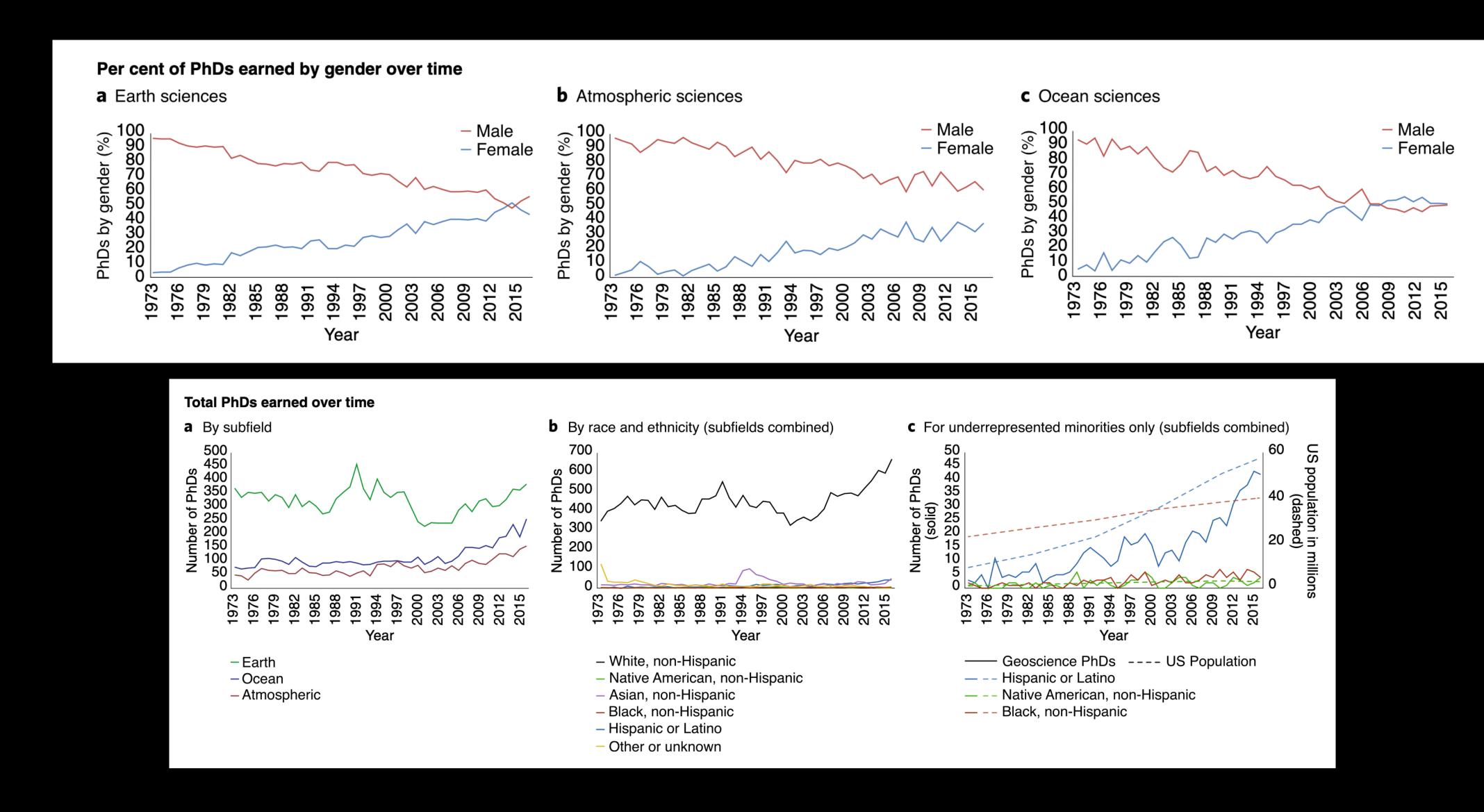
(Also, the views of an old and cynical postdoc are not gospel!)

What's the issue?



Dowey et al, 2021 (Nature Geoscience)

What's the issue?



Why does it matter?

Equity: harder to eliminate social inequality

Funding: some communities unconvinced by need for geoscience research

Activism: under-representation of knowledgable local/indigenous voices in some communities

Value for money: not all taxpayers equally served by spending

Missing perspectives: harder to study holistic/whole-society impacts

Locality: more challenging to work in diverse places without local knowledge

Research quality: more diverse groups tend to perform better

What are the barriers to change?

Representation: lack of relevant voices at the top levels of organisations

Retention: higher non-completion/non-progression at each stage of education process

Recruitment: lower awareness/interest at the outset

Lack of time/money: change/disruption is expensive and time-consuming

Career checking: Unclear that undertaking such work is worthwhile

Lack of prior knowledge: sometimes feels like we really are making it up as we go along (!)

Complex societal influences: biases, prejudices, uncertainties, inequalities, and legacies all combine

Onto the positives!

There is room for hope!

(Lots of people have spent a long time working on these things)

(Lots of people haven't spent too long working on these things, but are willing to help) Ideas?

Have you noticed issues in your studies related to EDI? How did they make you feel?

How I learnt to 'do' EDI

Issue: UKRI doesn't want to pay their interns minimum wage

What we tried: getting the University to top-up wages and lobby UKRI

What worked: getting someone to ambush the Science Minister with an awkward question

How I learnt to 'do' EDI

Issue: The representation of BAME students in Earth Sciences is below-average and has stagnated

What we tried: working with the department to develop an actionable plan

What worked: the above



https://bit.ly/oxford-bame-report

How I learnt to 'do' EDI

Issue: Oxford charges students £75 per PhD application

What we tried: lobbying through committees to remove the fee

What worked: forcing a vote in the University parliament to over-rule the Education Committee

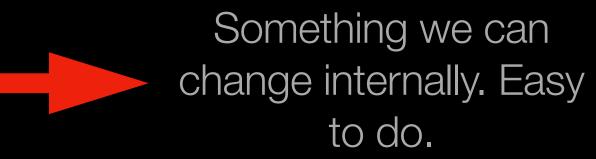
Methodology

Identification — Triage — Solution

An example



Marketing materials focus almost solely on 'outdoors' work within the department





Identification

- What evidence is there?
- Which groups does it affect?
- How are different groups affected?

Triage

- Whose problem is it?
- How important is the problem?
- How much time will it take to solve?
- Am I in a position to do anything about it?
- Are other people already working on this?

Solutions

- What is already being done on this?
- How will we monitor success?
- How will we share outcomes?
- How realistic are these outcome?
- What potential is there to do unintentional damage?
- How much will it cost?
- How much does it rely on other people?

Presenting outcomes

Idea	Justification	Example specification
interested students (either all students or ringfenced for students from a particular group),	questions may help address this.	Virtual sessions with DTO Academic Directors and/or academics, akin to mini undergraduate open days. Events may be co-hosted with relevant networks (e.g. Black Students' Network).
	Data suggest that advertising through 'traditional' channels (websites, social media, etc.) is not effective at encouraging applicants from minoritised backgrounds to apply.	Coordinated partnerships with relevant networks (e.g. Black Geographers) may reach a more diverse range of candidates, and in a more targeted way.
applicant expressions of interest	how to approach them, or what to include in the email.	Template emails provided on the DTO website with relevant headers to be filled in (e.g. applicant's name, current course of study, interests, and short CV).
applicants	with advice on presentation and techniques is likely to be useful, given the esoteric nature of PhD applications	Paid mentorship (e.g. 1hr per self-identified applicant) by PhDs/PostDocs from similar backgrounds with appropriate training. Emphasise this has no impact on interview scoring.
Experience Placement (REP) scheme as a	work, REPs are an ideal recruitment tool to introduce students to research.	Broad advertising targeted at those with no research knowledge; ring-fenced placements for students from underrepresented groups; guaranteed DTO interviews for REP students.

Ideas?

What's a DEI related issue that you might like to help solve? How would you go about it?

(Try and be specific, and have a SMART plan)

Some tips (report)

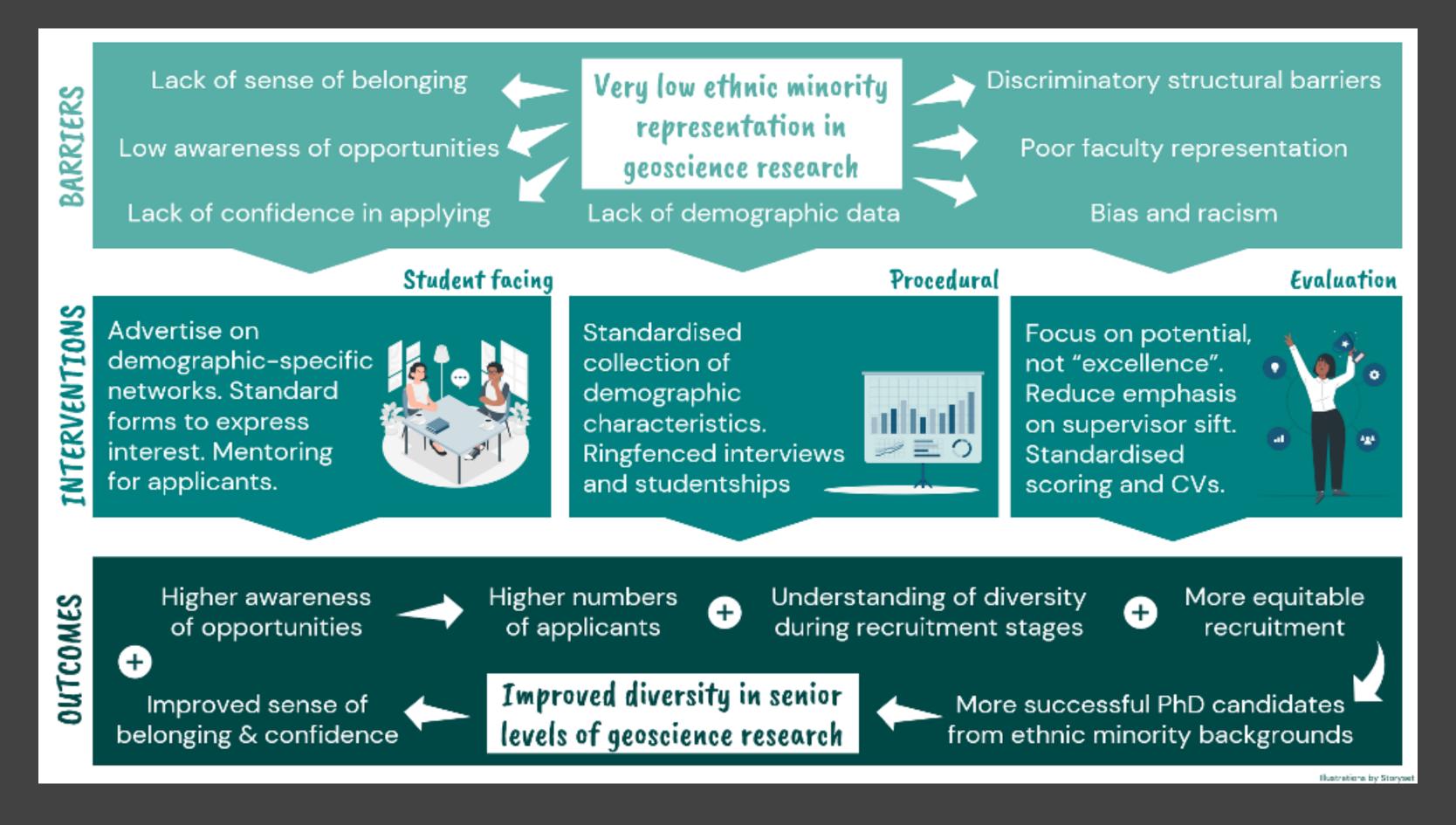
- Don't reinvent where unnecessary
- Don't rely on external inputs
- Have a way of measuring success
- Keep 'check-out' options throughout
- Focus on actions, not complaints
- Don't treat minority groups as homogenous

Some tips (engagement)

- Easier to work with than against
- (But, having said that, sometimes pressure is good)
- Maintain perspective on the issues
- Direct strong feelings appropriately
- Have fun you also have a PhD to do!

But what can we do?

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