Ruth Grützbauch

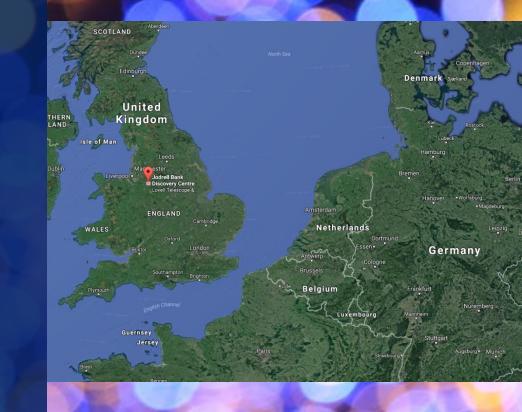
Jodrell Bank Discovery Centre, University of Manchester

Prof. Teresa Anderson (PI) Julia Riley, Jamie Sloan, Naomi Smith Jodrell Bank Discovery Centre, University of Manchester Prof. Tim O'Brien (Co-I) Jodrell Bank Centre for Astrophysics, University of Manchester

MANCHESTER 1824

The University of Manchester Jodrell Bank Observatory

Jodrell Bank Observatory



Jodrell Bank Observatory

The iconic Lovell Telescope - the first of its kind

It's 60 years old this year!

Once the biggest telescope in the world. Now the 3rd largest fully steerable single dish telescope



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Discovery Centre:

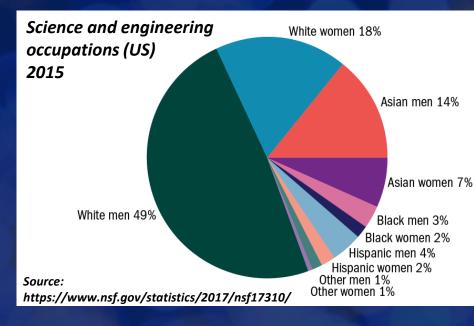
160 000 visitors per year22 000 school childrenExhibitions, Workshops, Events



Why do we do this?

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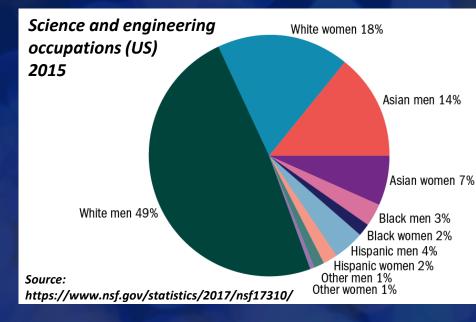
- Women underrepresented in STEM
- Little difference in achievement but large difference in career choices
- Gender specific expectations and feedback from infancy impact on confidence, risk-taking & response to challenges



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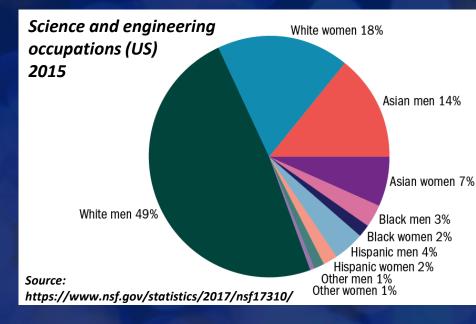


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- Unfair
- Waste of talent



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Why should we care?

- Unfair
- Waste of talent
- Diversity as a benefit

Companies with female board members outperform those without:

https://www.credit-suisse.com/uk/en/articles/articles/news-and-expertise/2015/06/en/diveristyon-board.html

Papers with diverse authors have more citations:

http://www.nature.com/news/collaboration-strength-in-diversity-1.15912

What can we do?

What can we do? Provide role models

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What can we do? Provide role models

Drawing on our own personal experiences – something we would have liked to attend ourselves.

An event that is enjoyable, informative, inspiring and empowering



Key features of each event:

- opening talk from a female scientist or engineer
- activities for attendees related to the evening's theme



First event in 2012 2 events per year

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Content?

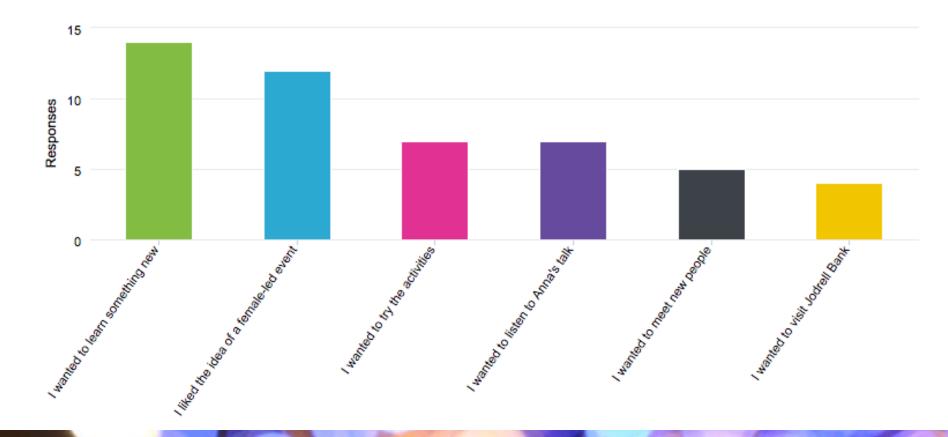
- current astronomical events (Mercury transit, summer solstice...)
- connect to current research & involve female researchers

Past themes: solar physics, hunting for exoplanets, engineering the Square Kilometre Array (SKA) Past Activities: telescopes, planetarium, science busking, soldering, tea light telescope arrays,...



Why do people come to the event?

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Why do people come to the event?

they want to learn something new

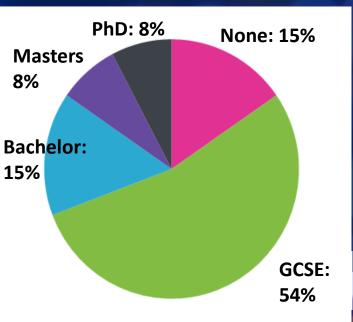
 they like the idea of a female-led event

Who do we reach?

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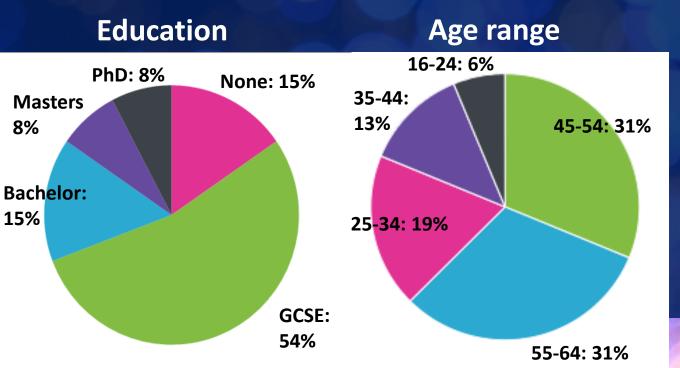
Education



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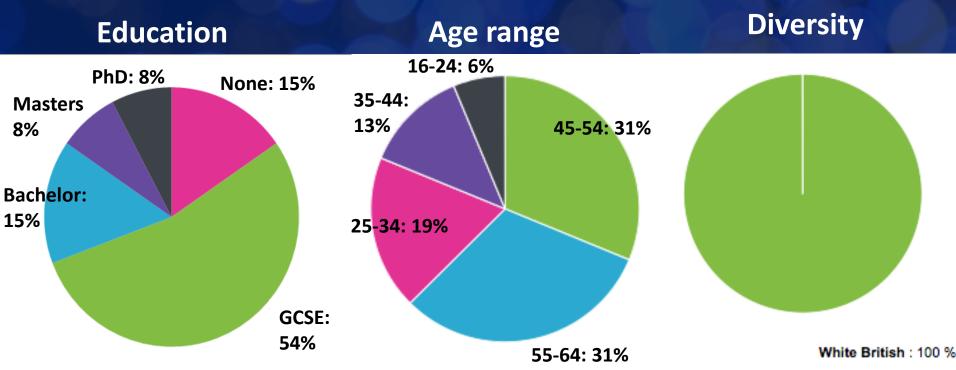
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Who do we reach?



Feedback?

- Testimonials speak of 'inspiration', a 'sense of belonging', finding 'people like me'
- "I am more interested in science now": 90% agree or strongly agree
- "I would like to study it": 64% agree or strongly agree
- "fantastic night out even for the dads!"

Feedback?



Thank you @jodrellbank Fantastic evening. Lots of fun, learning and accomplishments. First time at soldering for me and daughter.



LIKES 14

iii 📖 🔛 👯 🏹 🦓 🔝 😁 😂



LIKES

2

@hhs4science all ready for the girls night out at @jodrellbank





Toni Procter

@angel of blink

Great night @jodrellbank for girls night! Thanks for having us!



Feedback?

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Challenges?

• Use of pink in advert, cupcakes, "girls" caused some negative feedback

Jodrell Bank Discovery Centre GIRLS NIGHT OUT Thursday 9th March, 6:30pm



Join us for an evening celebration of women and girls in STEM. Jodrell Bank Discovery Centre, Macclesfield, Cheshire, SK11 9DW | www.jodrellbank.net

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Challenges?

- Use of pink in advert, cupcakes, "girls" provoked some negative feedback
- Low diversity and limited age range

Thank you very much!

