The Alan Turing Institute

Professionalising traditional and infrastructure research roles in data science

Dr Emma Karoune & Dr Malvika Sharan

Dr Emma Karoune

Senior Community Manager – Health
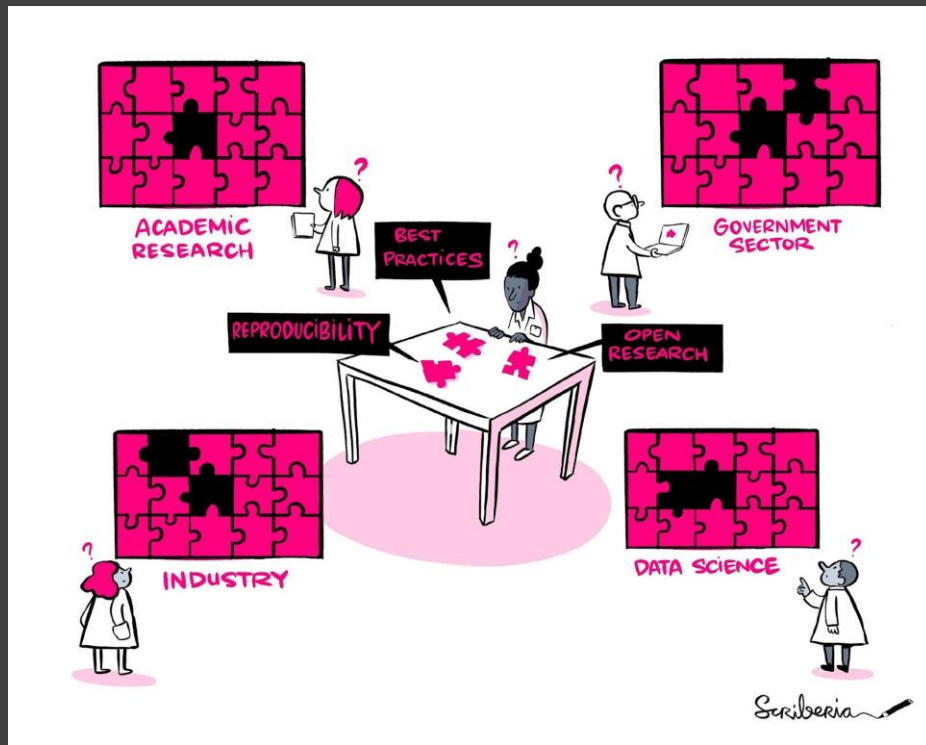Turing Way Core Team
Open Researcher

Dr Malvika Sharan

Senior Researcher – Open Research, TPS
Co-Lead of *The Turing Way*
Co-Director of Open Life Science
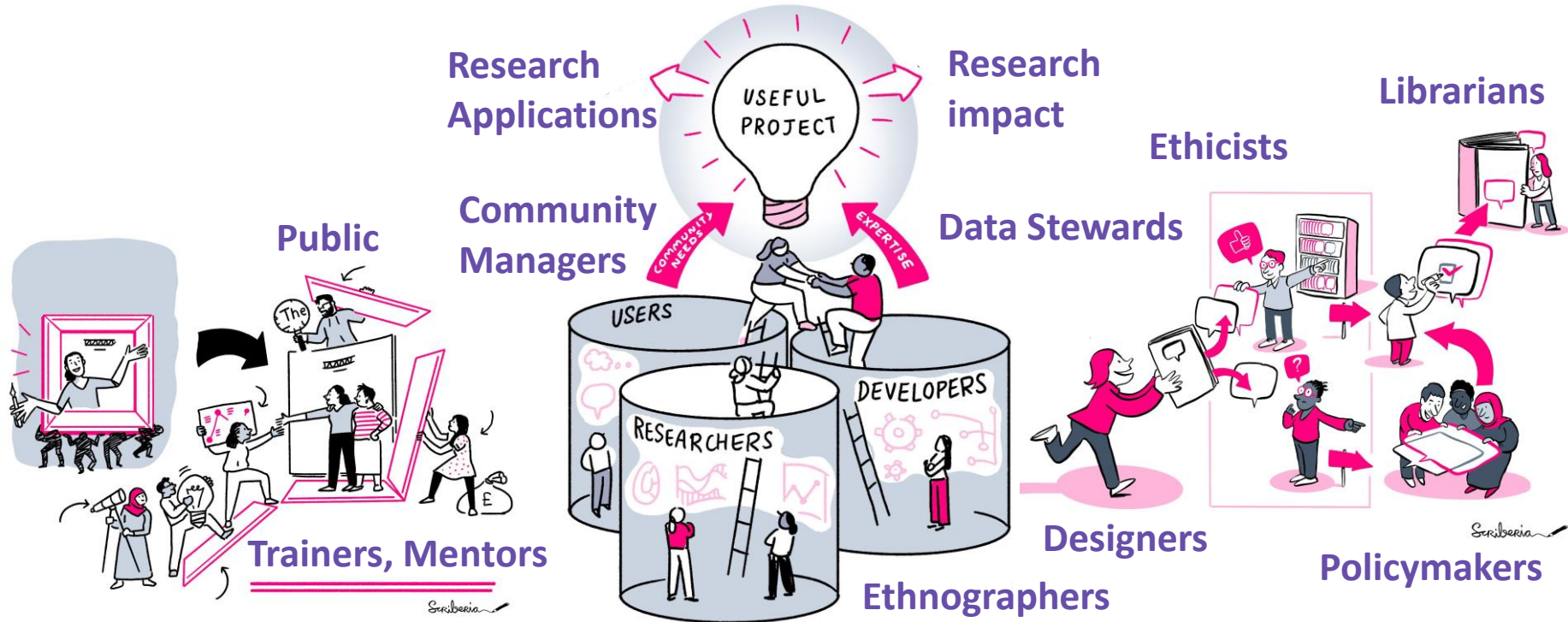
Evolving research and data landscape

- Interdisciplinarity
- Widening Participation
- Commitment to EDIA
- Valuing people and skills
- Better research culture
- Pathways to leadership

National Data Strategy - 2020. Gov.uk. Department for Digital, Culture, Media and Sport. Skills: Data skills for a data-driven economy and data-rich lives
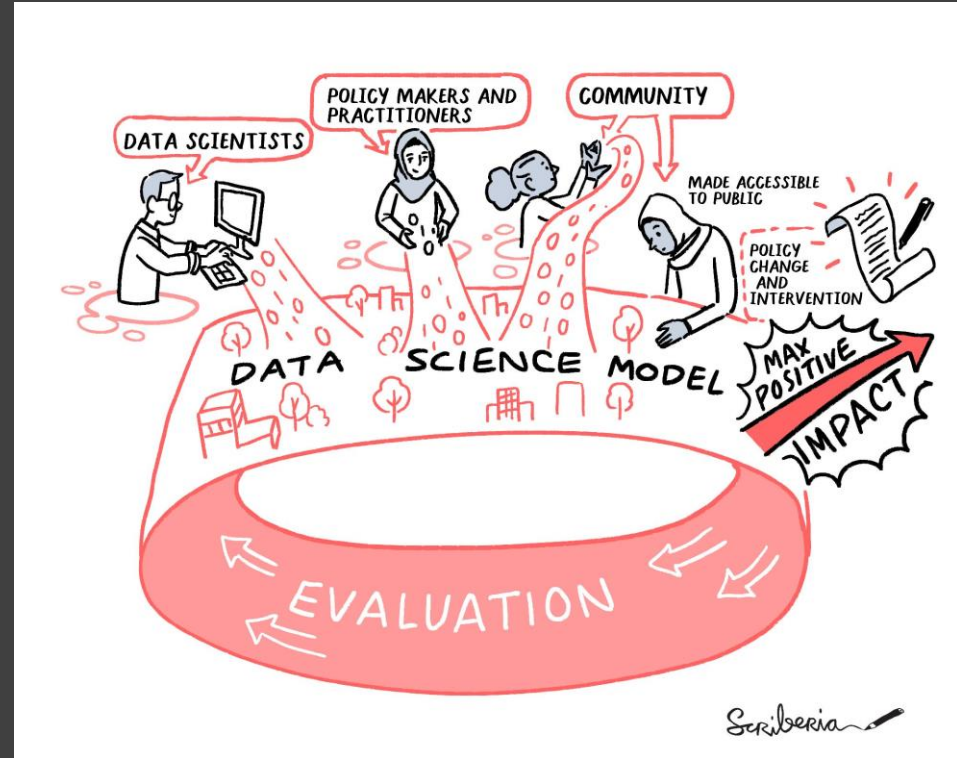
@malvikasharan, Presentation DOI: 10.5281/zenodo.7620215

Diversifying research roles

Research infrastructure roles

Research infrastructure roles provide **specialised skills, expertise and services** required for effectively carrying out **high-quality research**.
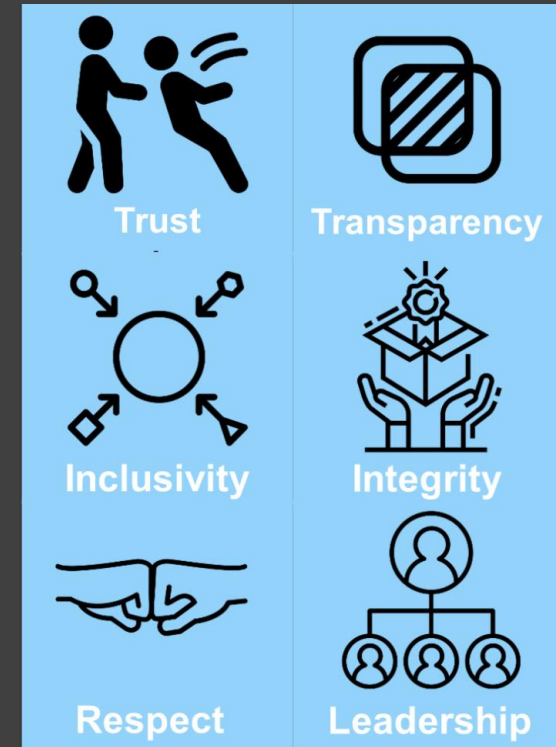
Tools, Practices and Systems

- Trustworthy systems

- Transparent reporting

- Inclusive interoperable design

- Ethical integrity

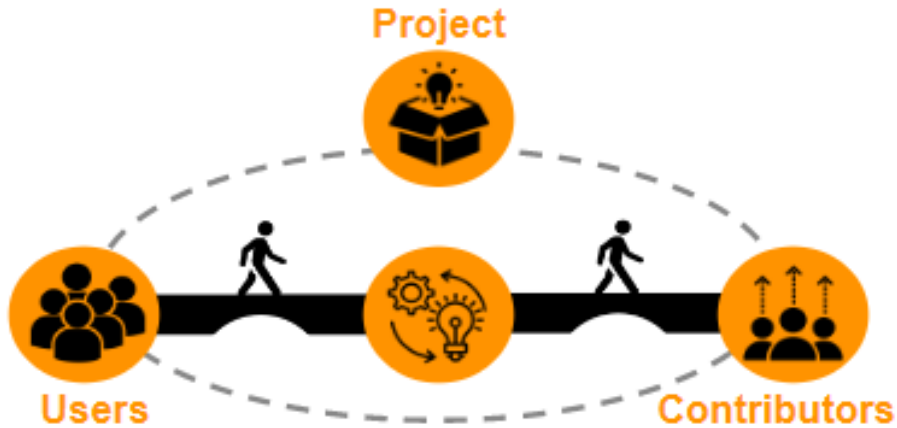- Respectful co-creation

- Leadership in open research

Trust
Transparency
Inclusivity
Integrity
Respect
Leadership

Dr Kirstie Whitaker
Director of the programme
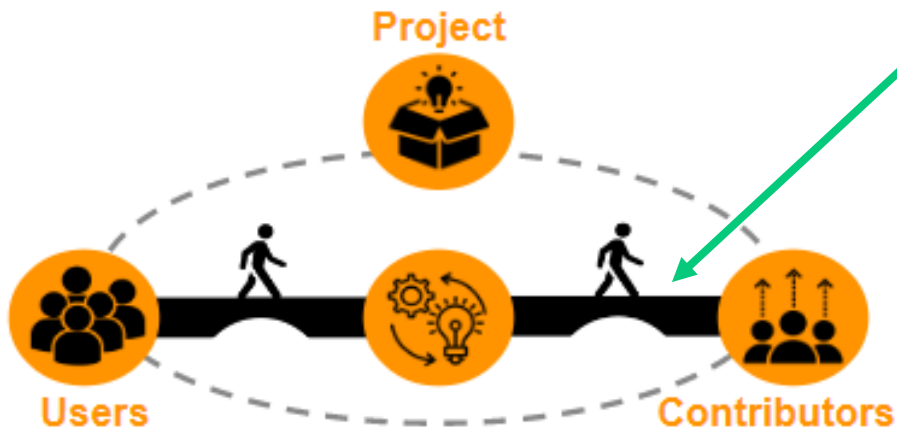
Tools, practices and systems

Building open source infrastructure to empower a global, decentralised network of people who connect data with domain experts

Strategic and technical support for stakeholder engagement and participation

Community Management

Tools, practices and systems

Building open source infrastructure to empower a global, decentralised network of people who connect data with domain experts

Strategic and technical support for stakeholder engagement and participation

Dr Malvika Sharan

Researchers and collaborators

Dr Emma Karoune

Dr Arron Lacey

Anne Lee Steele

Vicky Hellon

Sophia Batchelor
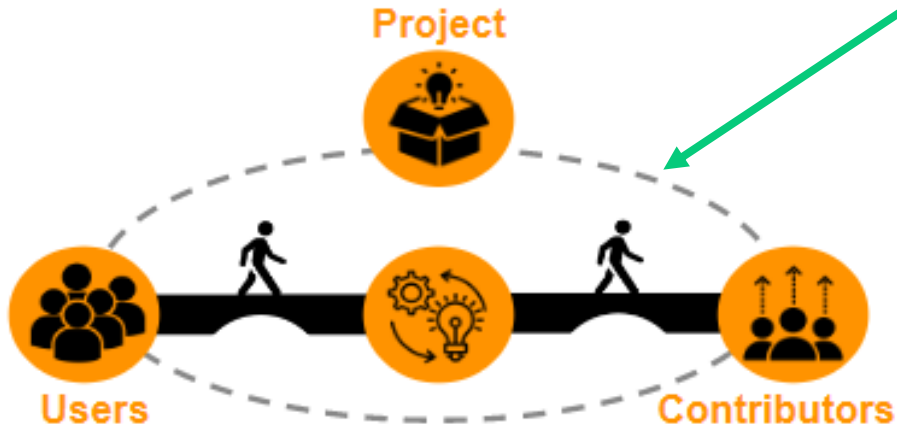
Dr Eirini Zormpa

Claudia Fischer

Ayesha Magill

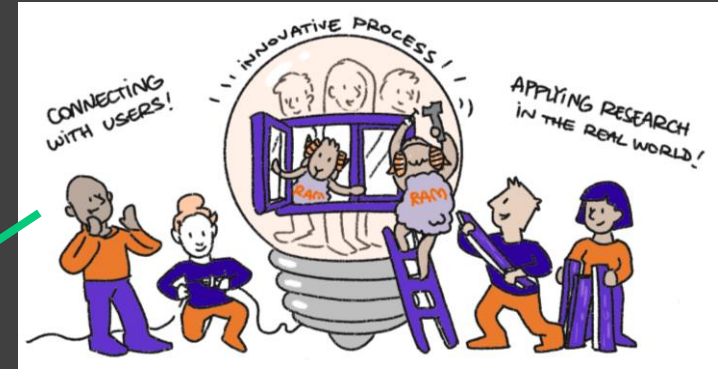Bridget Nea

Research Applications

Tools, practices and systems

Building open source infrastructure to empower a global, decentralised network of people who connect data with domain experts

Strategic and technical support for stakeholder engagement and participation

Organisers

Dr Aida Mehonic   Dr Alden Conner   Jennifer Ding

Hari Sood   Shakir Laher

Participatory Citizen Science
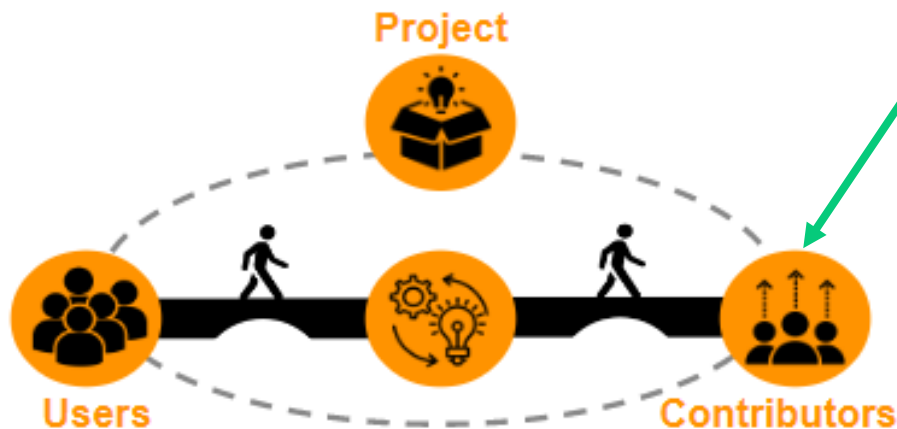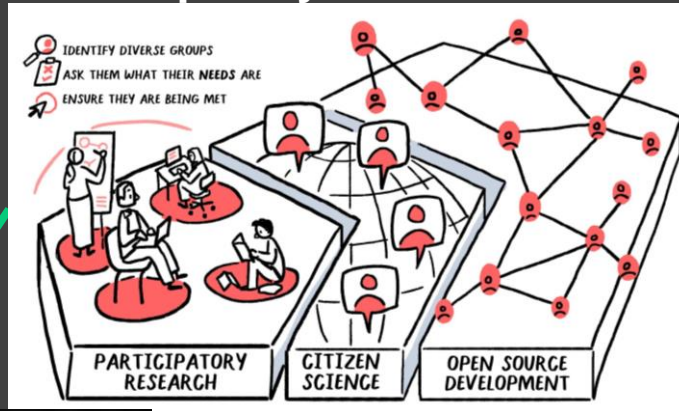
Tools, practices and systems

Building open source infrastructure to empower a global, decentralised network of people who connect data with domain experts

Home + Research + Research programmes

Project

Users

Contributors

Strategic and technical support for stakeholder engagement and participation

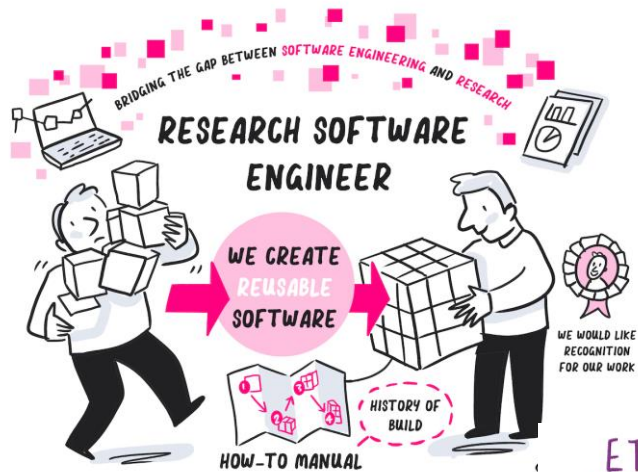**Bastian Greshake-Tzovaras**
Senior Researcher, Co-lead of Autspaces
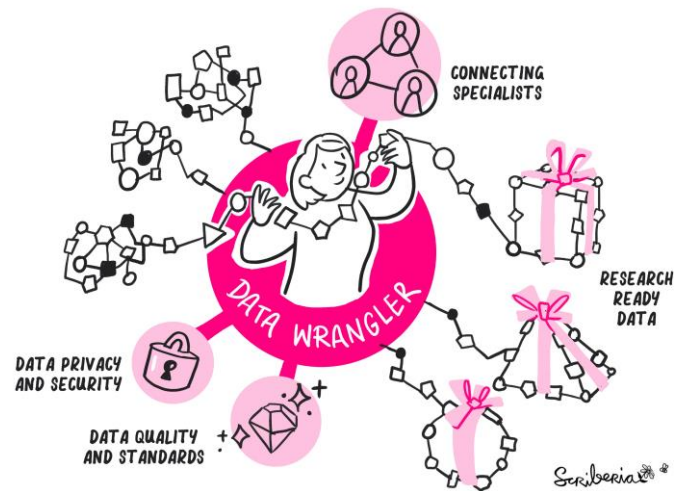
Georgia Aitkenhead
Research Assistant Autspaces

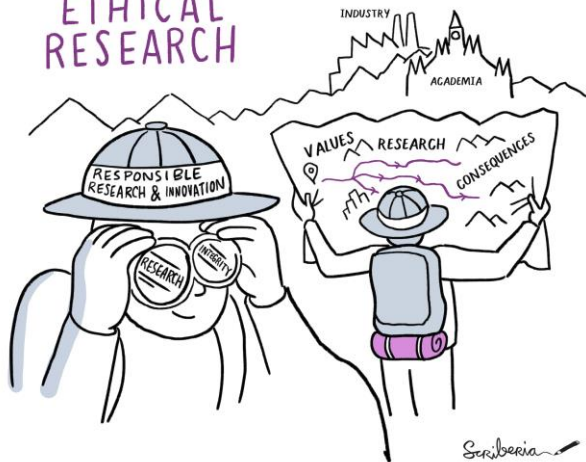**Sophia Batchelor**
Community Manager for PPIE AIM-RSF, Autspaces

https://www.turing.ac.uk/research/research-projects/citizen-science-platform-autistic

Other research infrastructure roles at Turing

Project aims and objectives

Aim

To close the knowledge gap on how to define and describe data science roles (modern infrastructure and traditional roles).

Objectives

- Curating and centralizing definitions, role descriptors and skills list of roles
- Publishing position paper on Community management
- Gaining relevant skills from policy experts, other awardees and skills team.

Acknowledgements

Materials for this presentation take from:

- Malvika Sharan's talk at State of Open Con 23 - @malvikasharan, Presentation DOI: 10.5281/zenodo.7620215

Links:

- Book: the-turing-way.netlify.com
- Relevant resources: bit.ly/turingway
- Newsletter: tinyletter.com/TuringWay
- GitHub: github.com/alan-turing-institute/the-turing-way
- Original artwork by Scriberia: https://doi.org/10.5281/zenodo.3332807

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