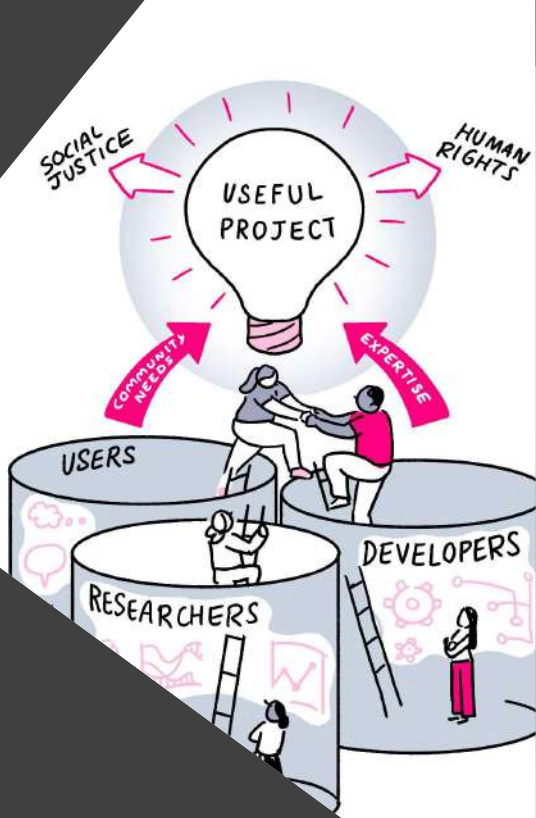
The Alan Turing Institute

Research Community Management Team at the Turing



Malvika Sharan, Emma Karoune

Vicky Hellon, Arron Lacey, Anne Lee Steele, Eirini Zormpa, Sophia Batchelor, Gabin Kayumbi

Research Community Managers Team - the ‘Who’

Malvika Sharan
Senior Researcher - Open Research, Co-Lead - The Turing Way, Lead - RCM Team

Emma Karoune
Senior Research Community Manager, Health (Turing-RSS Health Data Lab & DECOVID)

Arron Lacey
Senior Research Community Manager, Early Detection of Neurodegenerative disease (EDoN)

Gabin Wilfried Kayumbi
Senior Research Community Manager, DCE

Cassandra Gould Van Praag
Senior Research Community Manager, TRIC:DT

Vicky Hellon
Research Community Manager, Turing-Roche Strategic Partnership

Eirini Zormpa
Research Community Manager, AIM RSF - Open Collaboration

Sophia Batchelor
Research Community Manager, AIM RSF - Public & Patient Involvement & Engagement (PPIE)

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Research Community Manager, The Turing Way

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Vision - the ‘Why’

Building communities in data science is crucial for bringing together diverse stakeholders, enabling knowledge exchange and co-creating a collaborative system in which AI research can thrive.

Research Community Managers (RCM) at the Turing

- Foster diverse *Communities of Practice* in the Turing's projects
- Ensure access to skills and resources required for collaborative work
- As a team, build interconnected systems of (open source/research) software, data, people and processes

One of the Turing's Core Capabilities

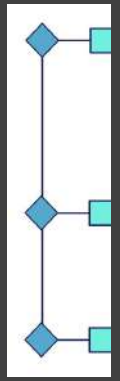
RCM roles and activities are directly linked to the Turing's goals

- *"Build Skills for the Future" and "Drive an informed conversation"*

RCMs share, improve and embed best practices

- *Crucial for "advancing world class research"*

RCM team is operationalising the Turing's principles through community practices



The Alan Turing Institute

Kirstie Whitaker

TPS Programme Director

Partners and collaborating projects

RCM Team

Tools, Practices and Systems

Bidirectional flow of knowledge, practices, resources and evidence

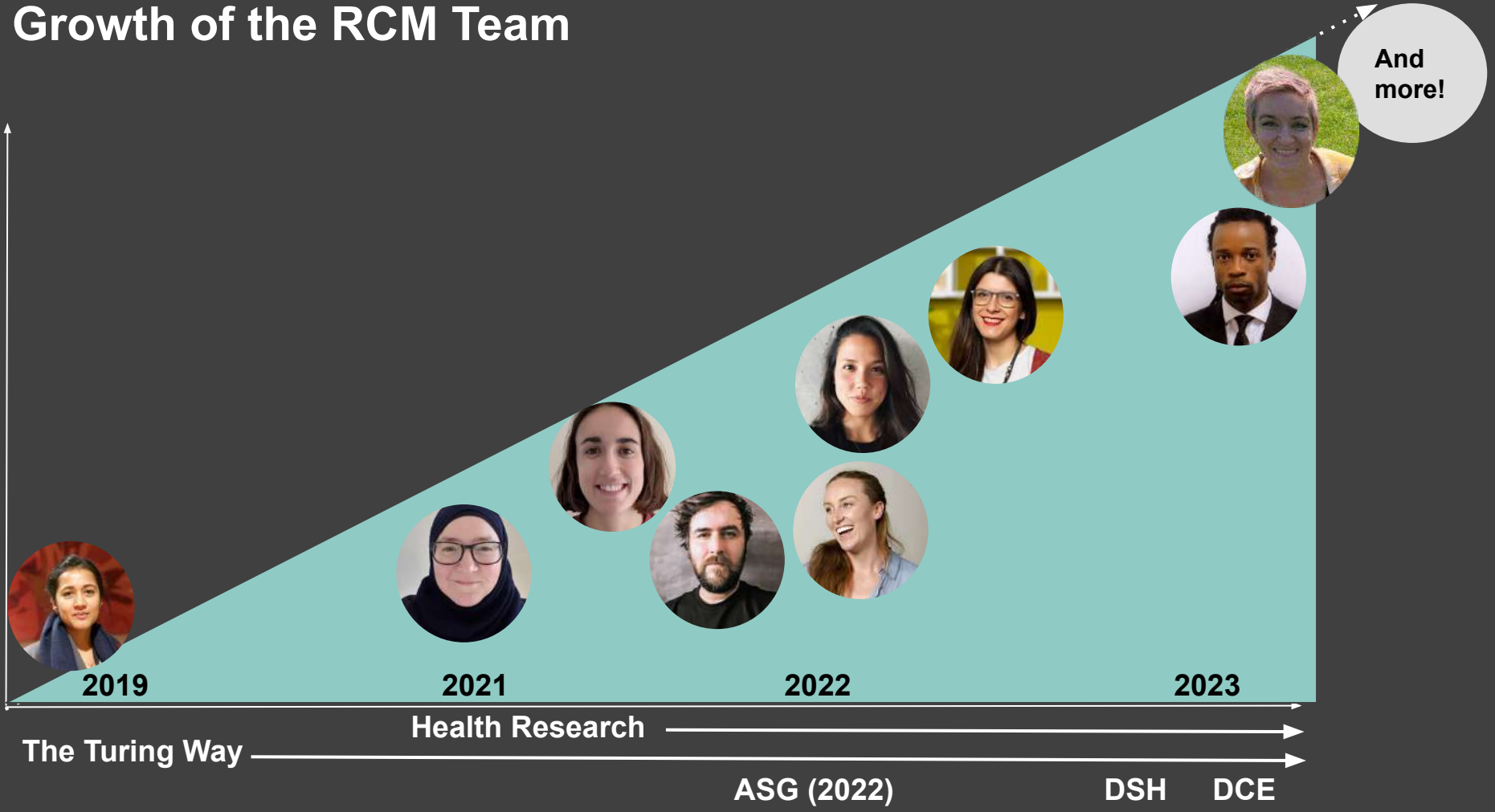
Data projects, resources and outputs

De-siloing through open collaboration

Strategic support for Open Infrastructure

Research communities at national & global scale

Growth of the RCM Team



RCM Goals - the ‘What’

Embed open, inclusive and reproducible research practices

Ensure a shared understanding of goals, roadmap, processes

Facilitate stakeholder engagement and collaboration

Provide technical support and domain expertise

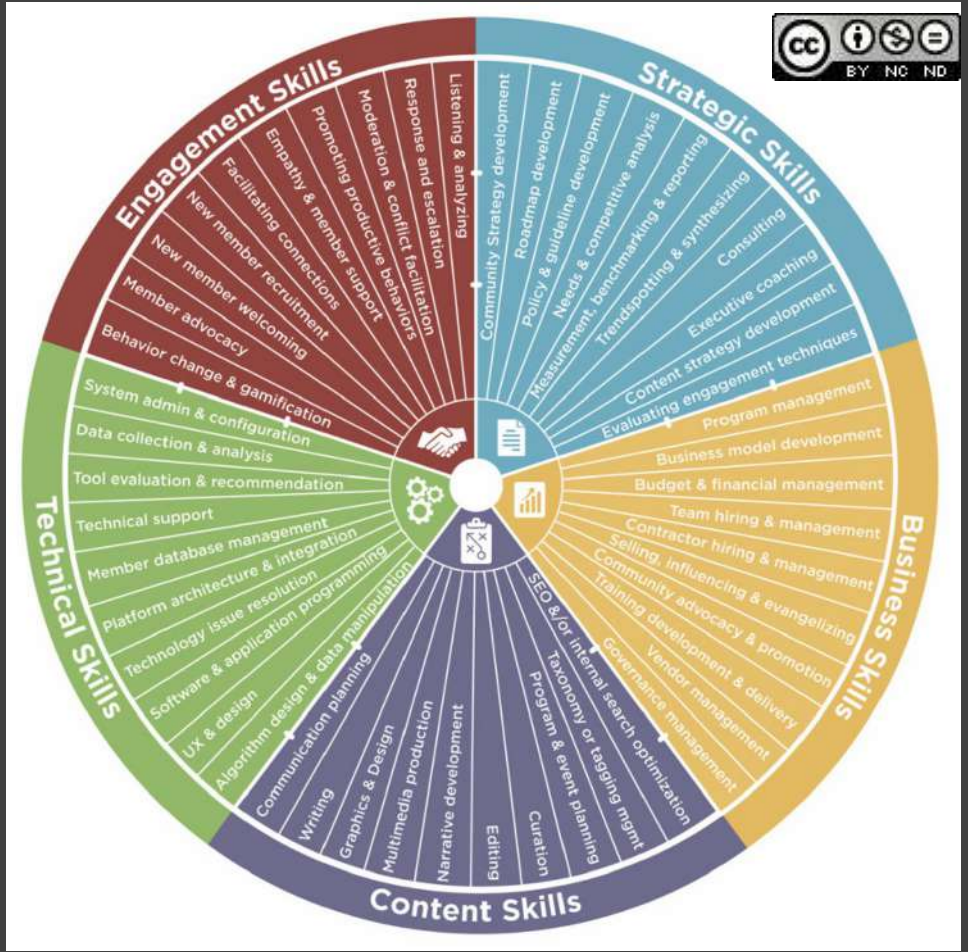
Co-create, maintain and communicate project resources

Amplify and champion community learnings and achievements

Skill-wheel for Managing a Community - the ‘How’

- Technical expertise
- Stakeholder Engagement
- Strategic planning
- Management skills
- Content & communications

RCMs bring specific expertise in the project and invite skills from the community members as needed.



https://the.cr/skills-framework, DOI: 10.5281/zenodo.6878124

A day in life of RCMs

Data science and community best practices look different in different contexts and vary based on the project goals, research stage and community-types.

Source code and data table: https://github.com/alan-turing-institute/open-community-building/blob/main/resources/wordcloud/

Examples of Research Community Management - the ‘Where’

Open Source Infrastructure	Knowledge Sharing & Communication	Best Practices through open collaboration	ECR Training & PPIE

1:1 Consultations, Training workshops, data skills, international engagement & talks, creating reusable community resources, sharing generalisable practices openly, Core maintainers of The Turing Way

Examples of Community Management - the ‘Where’

Open Source Infrastructure	Knowledge Sharing & Communications	Best Practices through open collaboration	ECR Training & PPIE

Early Detection of Neurodegeneration [EDoN] - **Arron Lacey**

Highlights:

- Set up and support the GitLab Org for Analytics Hub
- Developed data sharing and ethics frameworks
- Created and demonstrated prototypes for community tools
- Working with the ARUK policy team to co-create public engagement sessions

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Knowledge Sharing & Communications

Turing-Roche Partnership - **Vicky Hellon**; Turing RSS Lab - **Emma Karoune**

Highlights:

- Designed and run popular open virtual Seminar Series & collaborative events i.e. Roche funding, Health-AI Summit
- Contributed to development of Health strategy and several horizontally linked projects
- Enabled co-authoring of research articles & reports

Best Practices through open collaboration

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Best Practices through open collaboration

The Turing Way - **Anne Lee Steele**

Highlights:

- Formalising governance for open leadership in practice
- Enabling pathways and processes for community-led development of ‘book’ (GitHub)
- Community and user research
- Community participation via successful events like Fireside Chats, Collab Cafe, Book Dash

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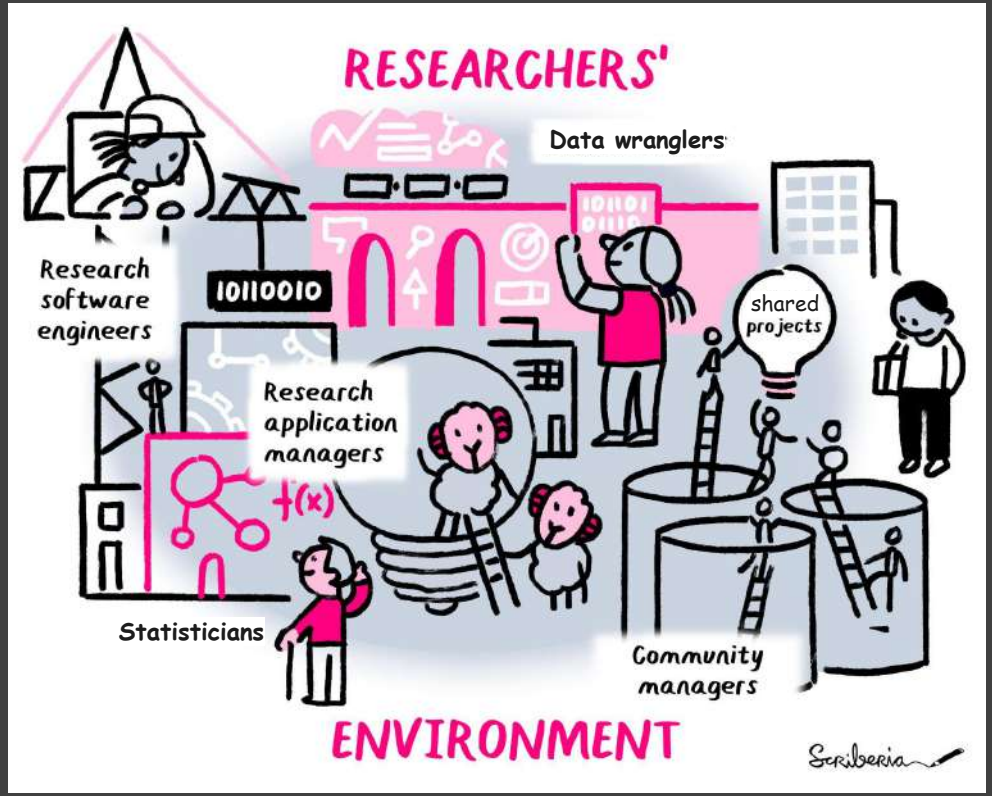
Researcher Infrastructure (RI) Roles



Working with Turing's Core Capabilities and Teams

RAM Team

Alden Conner, Jen Ding, Hari Sood, Shakir Laher

Complementing expertise through 'RCM-RAM teams' within projects like Data Safe Haven, Data Centric Engineering (DCE), TRIC:DT, The Turing Way Practitioners Hub, BridgeAI.

Skills Team

Vera Matser, Mishka Nemes, Sarah Nietopski, **Ayesha Dunk, Bridget Nea** (extended members of the team)

Long standing collaboration through The Turing Way and TPS. Stakeholders in AI-DS Educators Programme, BridgeAI, DCE, TRIC:DT, Widening Participation

Research Engineering Group

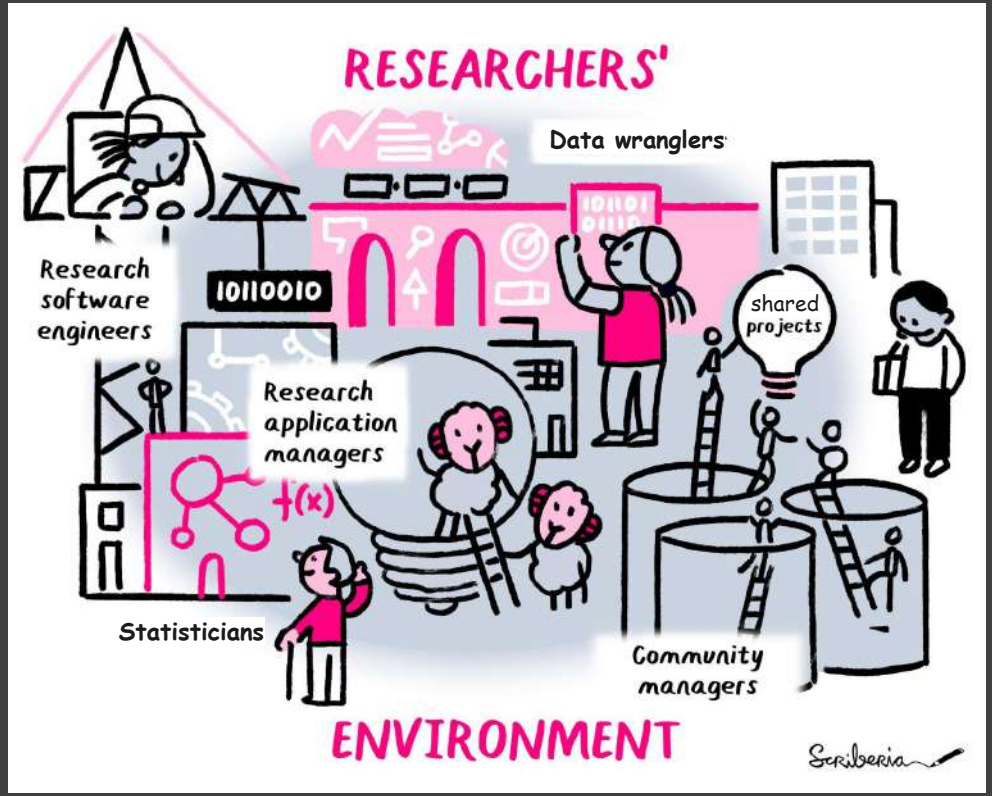
Jim Madge, Evelina Gabasova, Martin O'Reilly, James Geddes, Lydia France

The Turing Way initial and ongoing contributors and manager of a work package in AIM-RSF where Eirini Zormpa provides expertise/support.

Other teams & Interest Groups

Clau Fischer - Turing Commons (extended member of the team), few *Public Policy projects, Data Wrangler Team Partnership, Communications, Events, Project Management, EDI strategy officer, Support and expertise offered to special Interest Groups, need-based ad-hoc consulting*

Working with teams at the Turing



RAM Team

Research Engineering Group

Skills Team

Other teams & Interest Groups

Your team/project?

Connect with us on Slack or email:

Direct: msharan@turing.ac.uk

Team: rcm@turing.ac.uk

Advancing the Turing's Vision

"Enabling interdisciplinary pathway that enables impact at scale"

"Provide the process" and increase access to information

- Establish/help maintain open source repositories for the project
- Enable the communications of project's vision, mission and goals
- Map and document knowledge, skills, resources and stakeholders
- Formalise ways of working and build shared agency in the projects
- Create appropriate pathways for open communications and engagement
- Improve team skills through training and collaborative events
- Organise collaborative events regularly to enable knowledge exchange
- Embed EDIA principles in all their works
- Acknowledge, reward and champion community members and their work
- Maintain two-ways communications with the communities

Advancing the Turing's Vision

"Enabling interdisciplinary pathway that enables impact at scale"

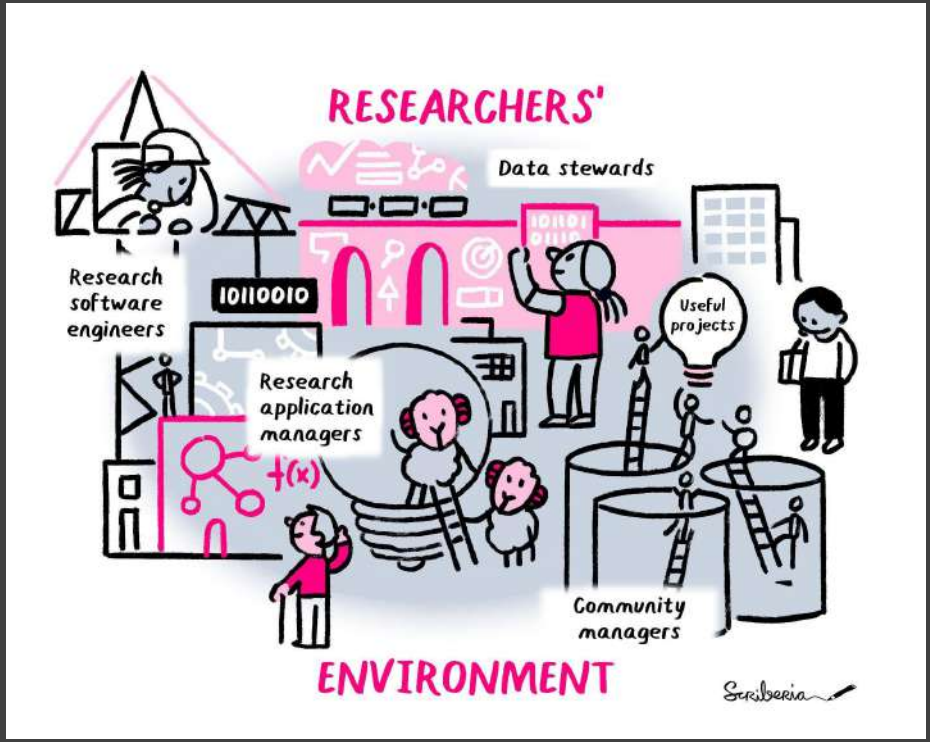
"Provide the process" and increase access to information

Make implicit knowledge explicit by "Signposting the way"

- Centralise and update project resources/information with appropriate license
- Provide community frameworks/tools to improve knowledge among all members
- Create documentation/other materials for internal and external communications
- Provide data related support and bring experts in as needed in the project
- Create training and skill building resources and opportunities
- Implement open science and reproducible practices
- Build connections with right stakeholders/potential collaborators
- Sharing generalised practices through *The Turing Way* + open projects

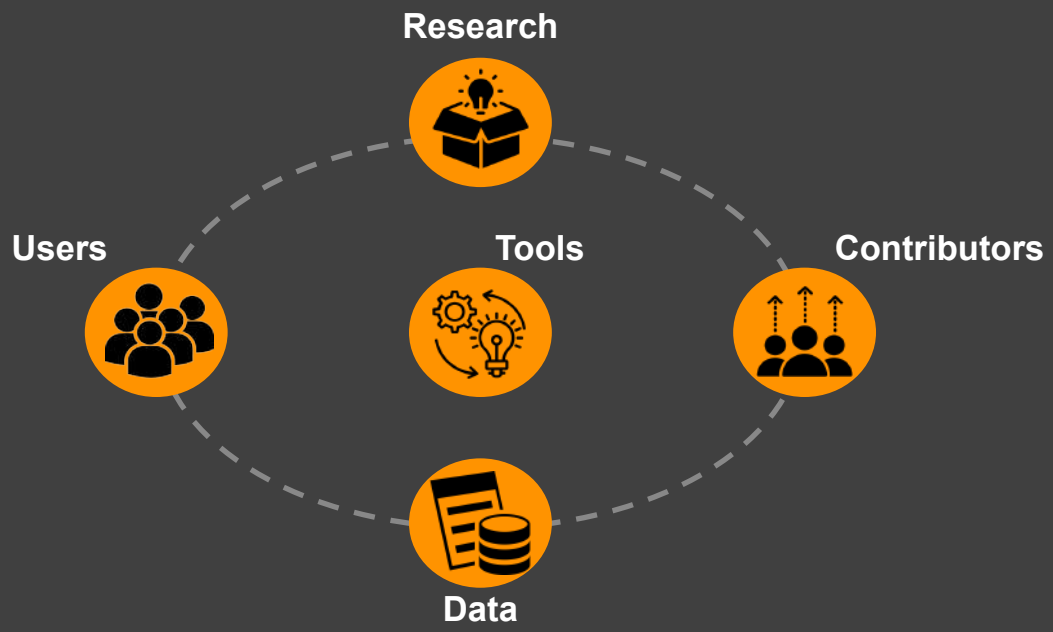
Research Infrastructure

Physical or digital facilities, resources, expert workforces and specialised services available towards research and for the use of research communities.



Reference Presentation on 'Investing in Research Infrastructure Roles for culture change' https://zenodo.org/record/7620215
References: Science Europe and National Institute of Health and Care Research

Research Infrastructure and Associated Roles



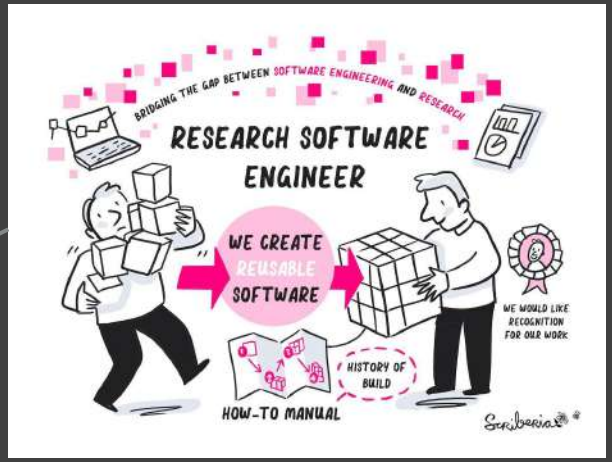
Successful research projects require specialised skills to ensure collaboration among contributors and users so they create and use data and tools that are useful for them.

Research infrastructure roles provide these specialised skills, expertise and services essential to effectively carry out high-quality research.

https://www.turing.ac.uk/research/research-programmes/tools-practices-and-systems/community-management-and-open-research.

Presentation: doi.org/10.5281/zenodo.7848675

Research Data & Engineering Roles



The Research Engineering is a professional field that include Research Data Scientists and Research Software Engineers. They are expert collaborators who bring their technical knowledge and data skills to research projects.

Research Data Scientist (RDS)

We are generalists with broad skills working with data and specialist researchers across domains.

RDS creates open and reusable tools to ask questions and draw insights from data.

As expert collaborators, we apply reproducible research best practices to research directly through collaboration.

Lydia France

Research Data Science

Research Software Engineer (RSE)

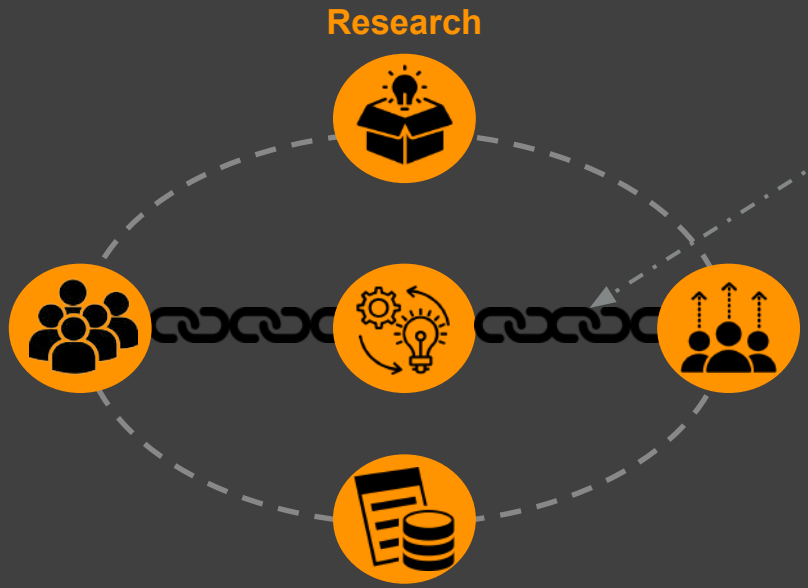
RSEs promote software-development best practices in research software through practices such as version control, testing, documentation and reusability.

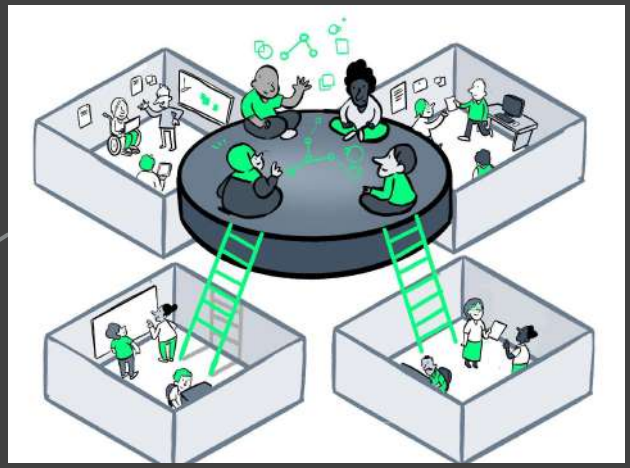
We apply and teach broad set of technical skills and expertise by being embedded on research projects.

Jim Madge

RSE Society, RSE Role in *The Turing Way*

Research Community Management





Research Community Managers empower diverse stakeholders to co-create, maintain and sustain research processes and outputs that they can equitably benefit from.

Research Community Manager (RCM)

Through open, inclusive and reproducible practices, RCMs build a shared understanding of research goals, roadmap and processes.

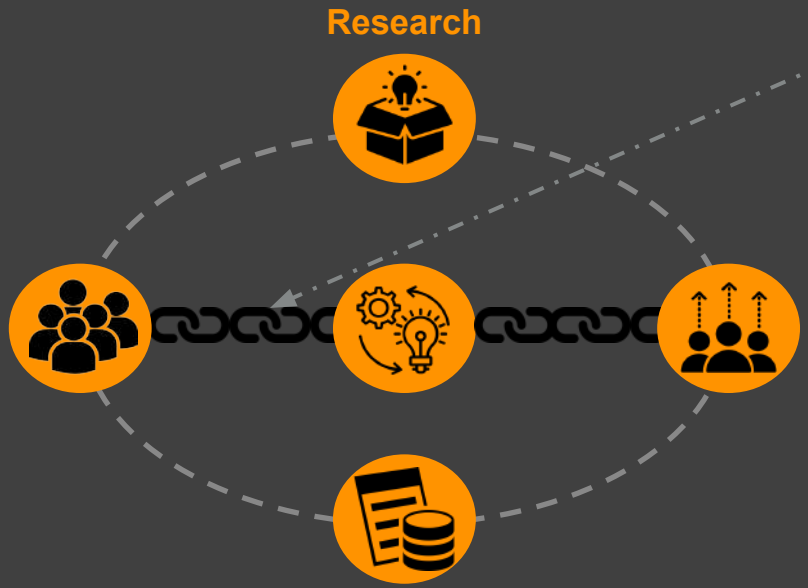
We combine a range of socio-technical skills including scientific communications, stakeholder engagement and domain expertise.

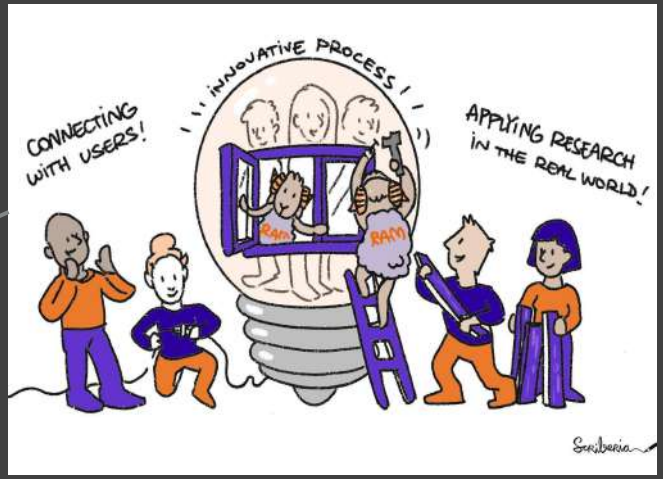
We facilitate, amplify and champion collaborative, community-based research processes and outcomes.

Emma Karoune

Open Research Community Management webpage

Research Applications Manager





A Research Applications Manager engages external stakeholders to adapt research outputs for real-world use.

Research Applications Management (RAM)

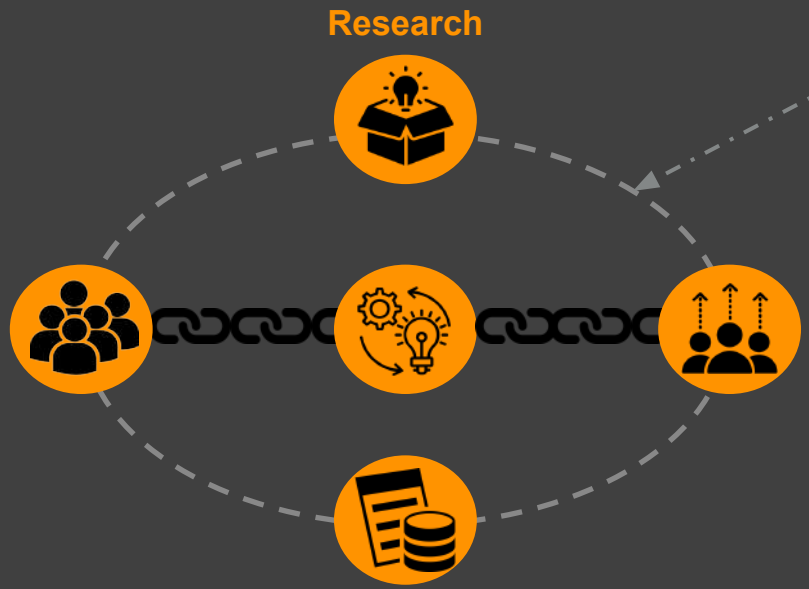
RAMs make research outputs to be more usable and support their adoption by people outside of academia.

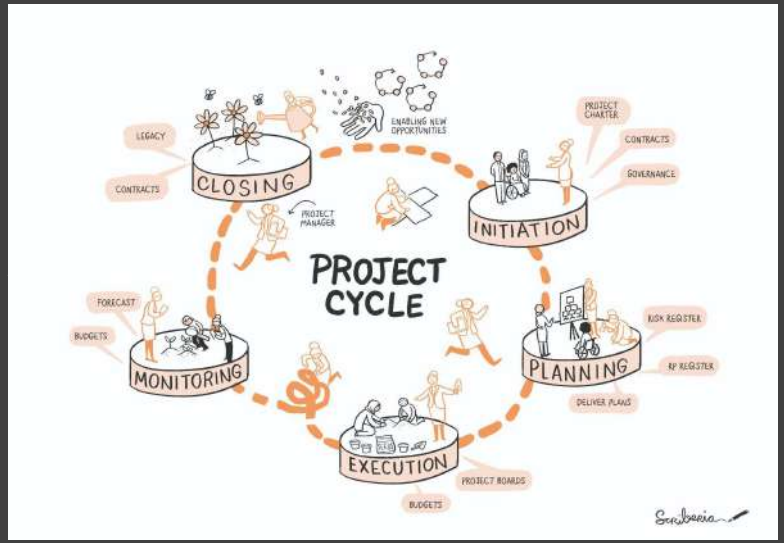
Working with research teams, we embed user needs and real-world impact potential in the design of research outputs.

Jennifer Ding

https://the-turing-way.netlify.app/collaboration/research-infrastructure-roles/ram.html

Research Programme/Project Manager





Research Programme/Project Manager ensure that all project cycles are executed on time, following the agreed protocols and in line with the Institute's policies.

Research Project Manager

Research Project Managers ensure that the projects are delivered on time and within budget.

We ensure that everyone involved in the project comply with The Institute's processes and policies.

We manage the project finances, and support the documentation, reports and governance.

Alexandra Araujo Alvarez

Any reference you want to share