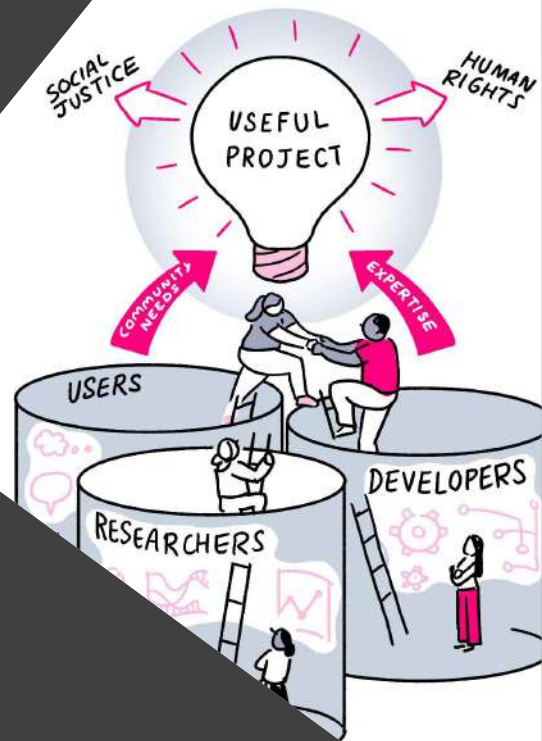


The Alan Turing Institute

Research Community Management Team at the Turing For the Partnership Team

Emma Karoune, Senior Research Community Manager



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)



Anne Lee Steele

Research Community Manager, The Turing Way

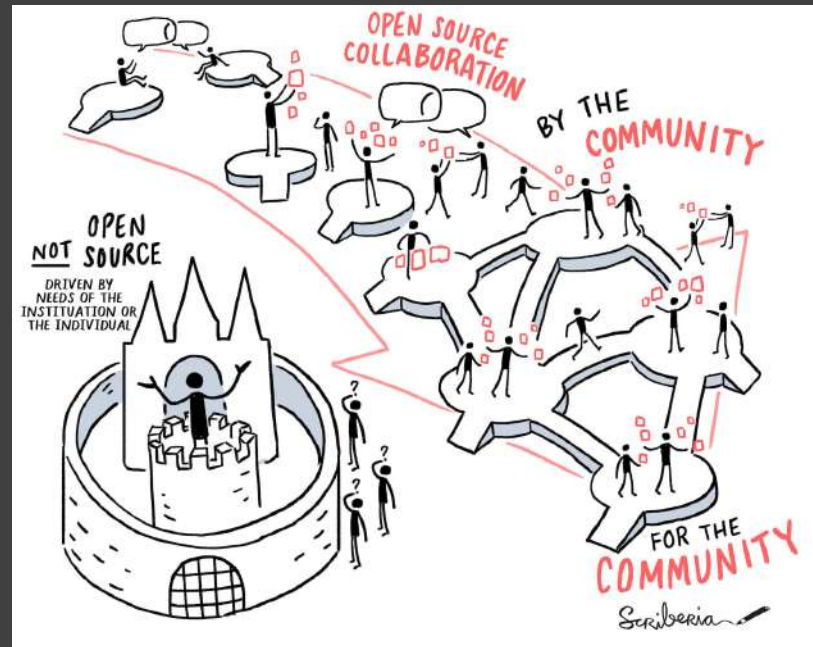
Vision - the 'Why'

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



Our principles

We will:

Lead responsibly

Build confidence, ensure independence

Enable impact – at scale

Drive interdisciplinarity

Move with agility

Continually innovate

Embed equality, diversity and inclusion

Collaborate and convene

Learn – and help others learn

Democratise access



The
Alan Turing
Institute

Partners and
collaborating
projects

Data projects,
resources and
outputs



RCM Team

De-siloing through
open collaboration



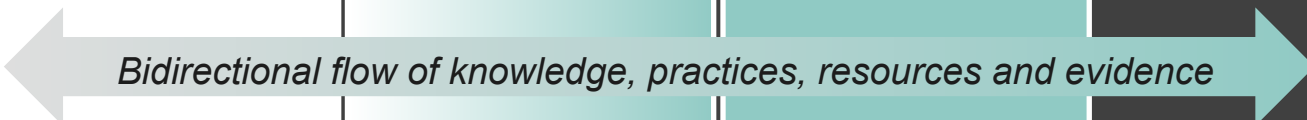
Tools,
Practices and
Systems

Strategic support
for Open
Infrastructure



Kirstie Whitaker

TPS Programme
Director

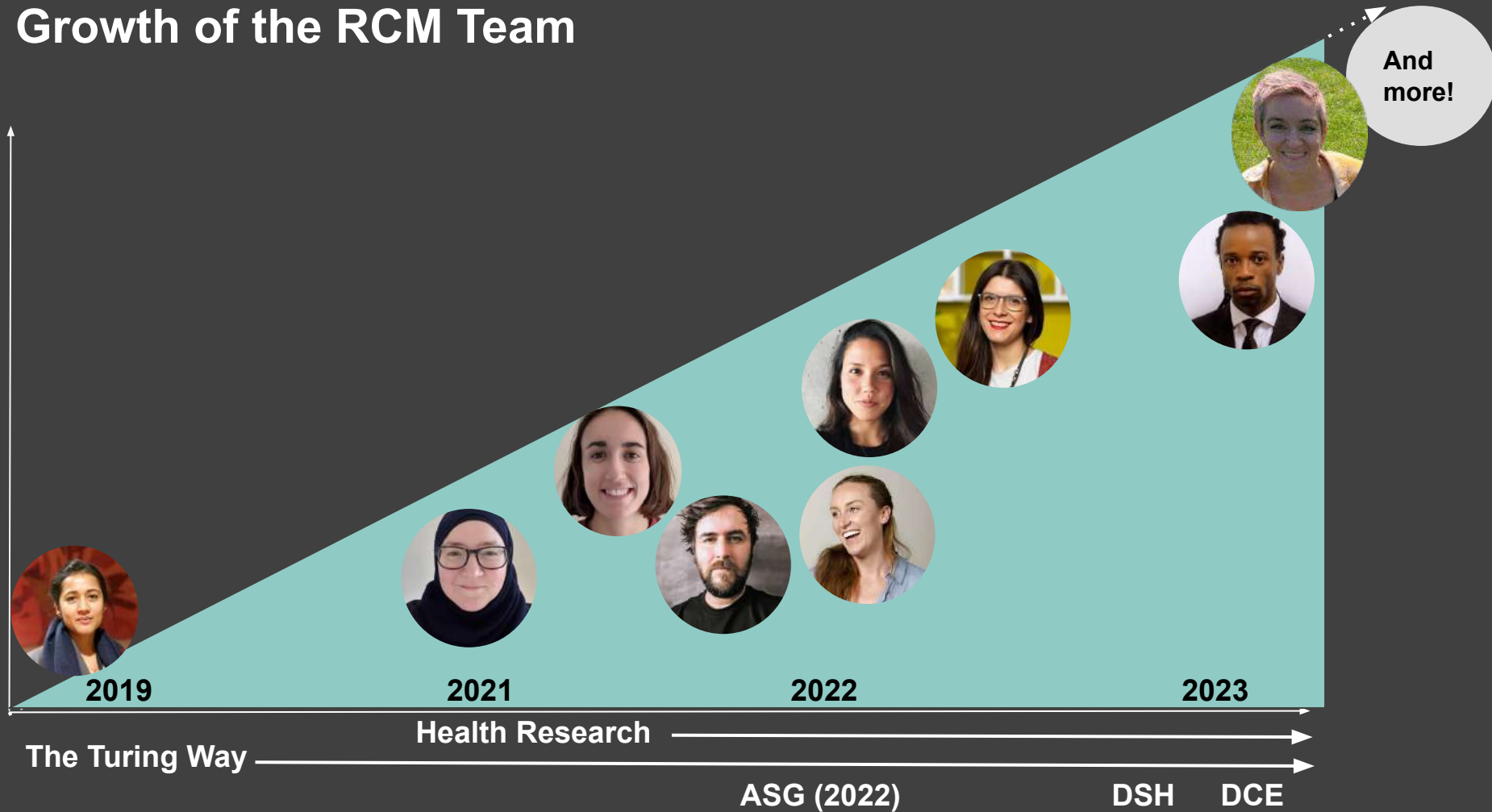


Bidirectional flow of knowledge, practices, resources and evidence



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

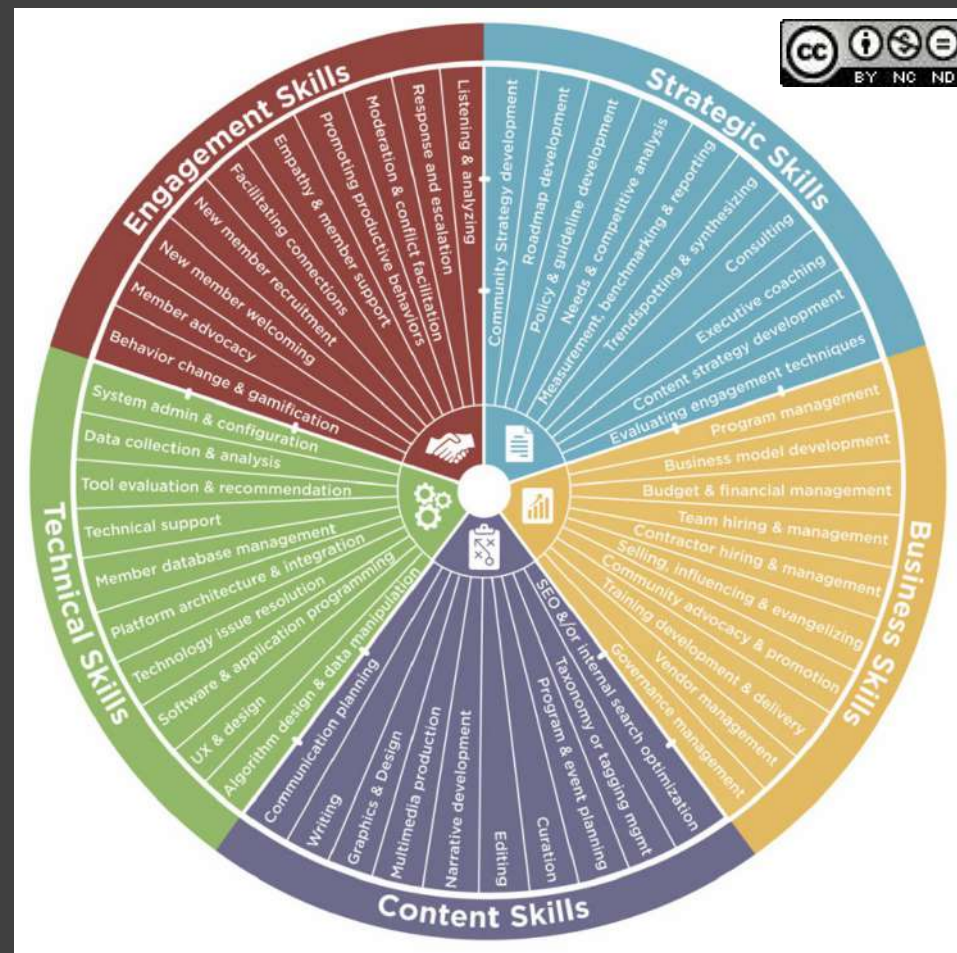


Amplify and champion community learnings and achievements

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.



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.*

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

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

Knowledge Sharing & Communications

Best Practices through open collaboration

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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
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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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ECR Training & PPIE

AIM - Research Support Facility - **Eirini Zormpa & Sophia Batchelor**

Highlights:

- Set up and support GitHub org for the RSF resources
- Co-development of PPIE events & resources including illustrations & glossaries
- R programming, version control, DataViz Discussions
- Customised Collaboration Cafes and ECR sessions

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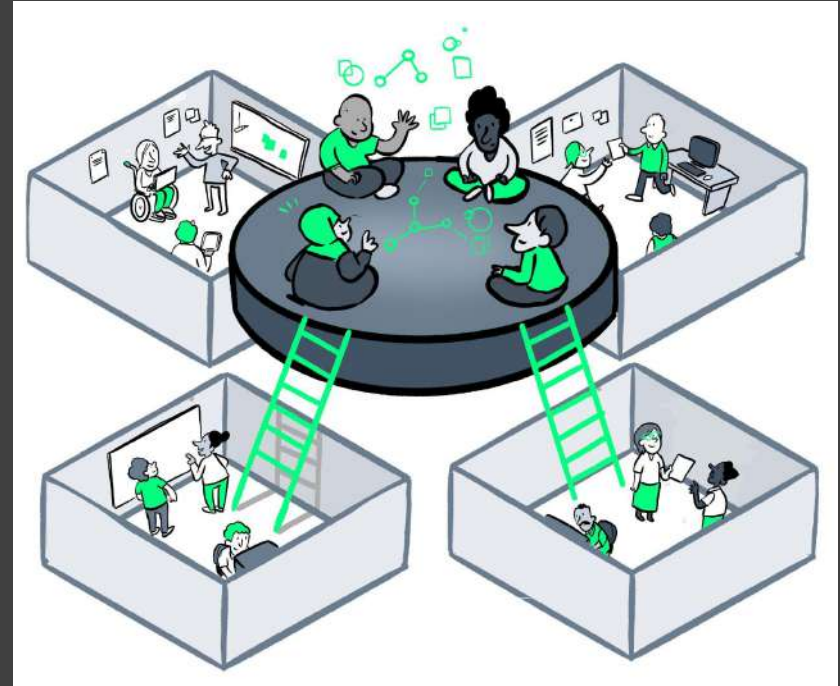
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RCM Briefing notes

Each RCM has written briefing notes on their work.

Good examples of our teams current work - see the links in hack md.



Broader Recognition for Research Infrastructure Roles

- **The Turing Way Practitioners Hub** in close collaboration with UK orgs (government, industry, public sector)
- **The Turing's Skills Policy Award** for engaging with policy ecosystem - led by **Dr. Emma Karoune**



Skills Policy Award Project - 'Professionalising traditional and infrastructure roles in data science'

Goals are:

- **Curate & centralise** definitions, role descriptors and skills lists
- Research community management **position paper**
- **Work with policy experts** to bring findings to policy makers

See our Github repo for more info:

<https://github.com/alan-turing-institute/professionalising-data-science-roles>

Or get in touch with Emma
(ekaroune@turing.ac.uk)



<https://www.gov.uk/government/publications/uk-national-data-strategy/national-data-strategy>

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

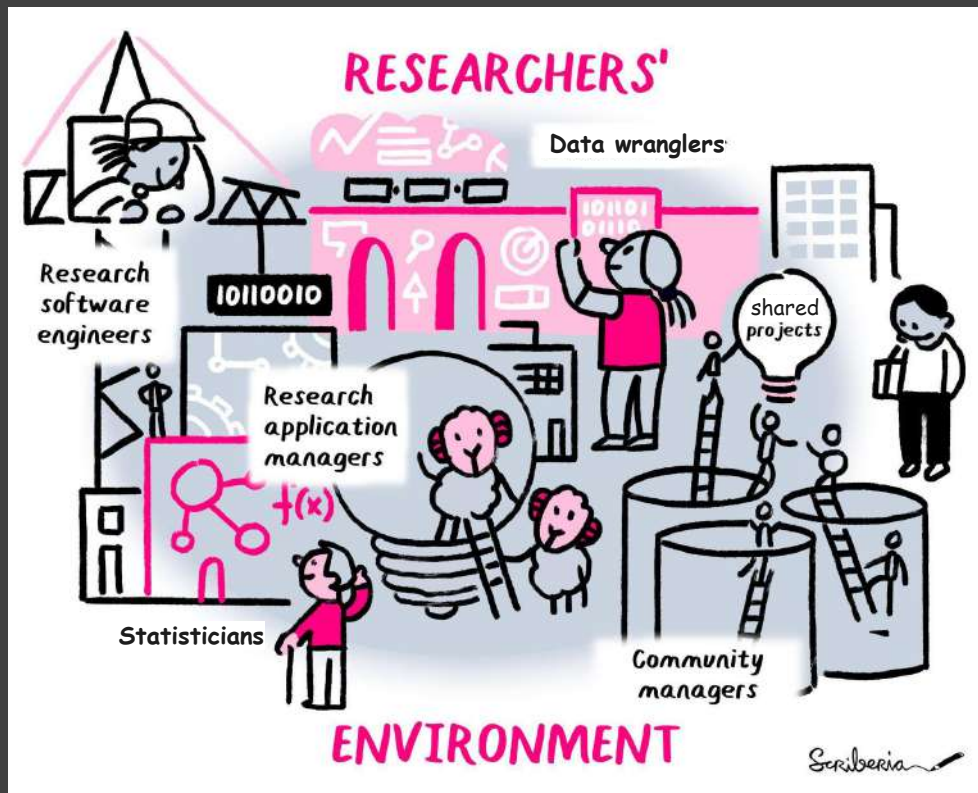
The Turing Way initial and ongoing contributors and manager of a work package in AIM-RSF where Eirini Zormpa provides expertise/support.

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”

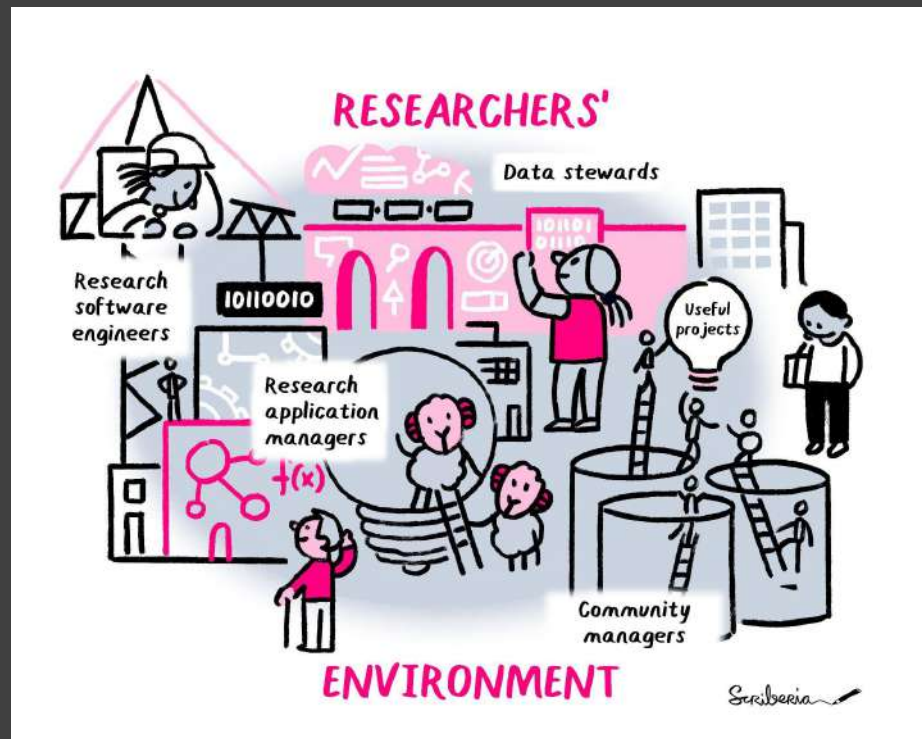
“Provide the process” and increase access to information

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.**



@turingway, CC-BY 4.0 image by *The Turing Way* and Scriberia, Zenodo: <https://zenodo.org/record/7849391>

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](#)

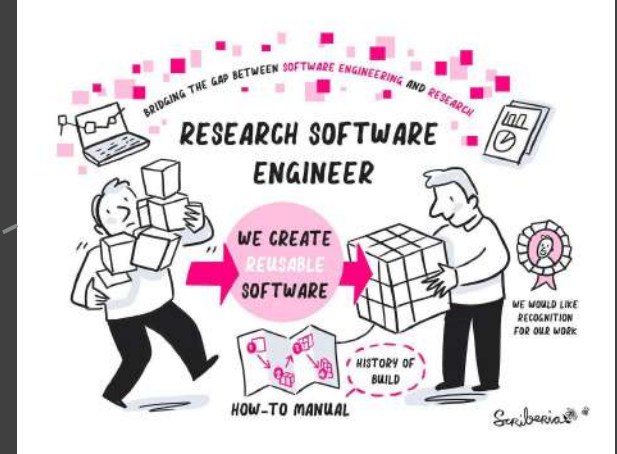
Research Infrastructure and Associated Roles



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.*

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 Software Engineer (RSE)

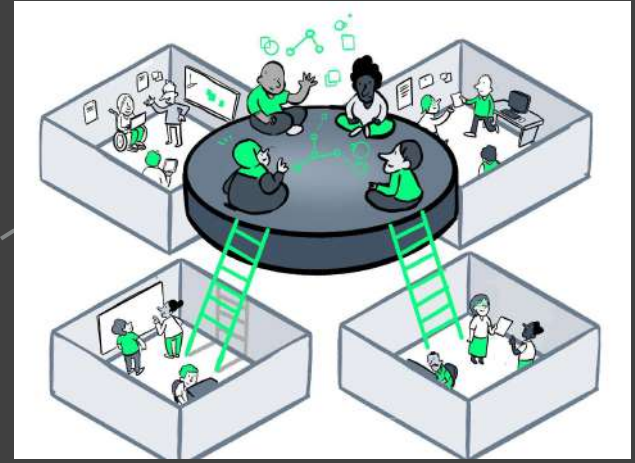
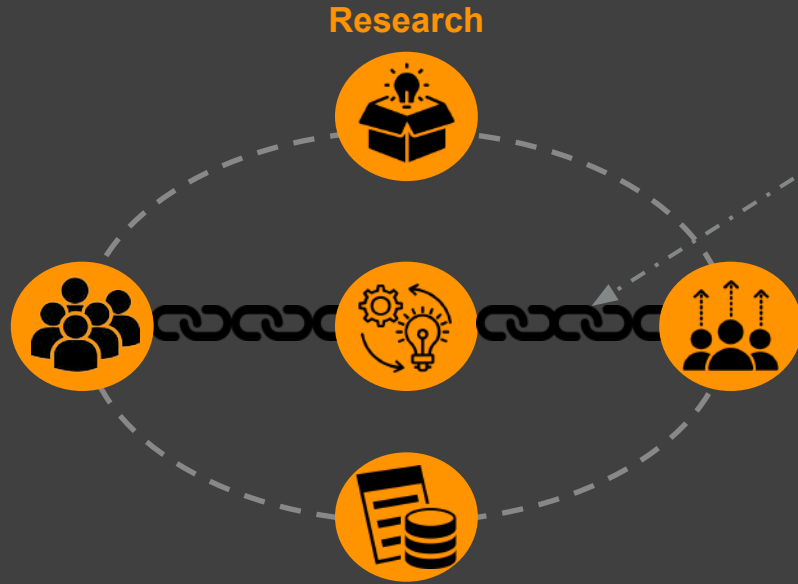
*RSEs promote **software-development best practices** in research software through practices such as version control, testing, documentation and reusability.*

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



Jim Madge

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.*

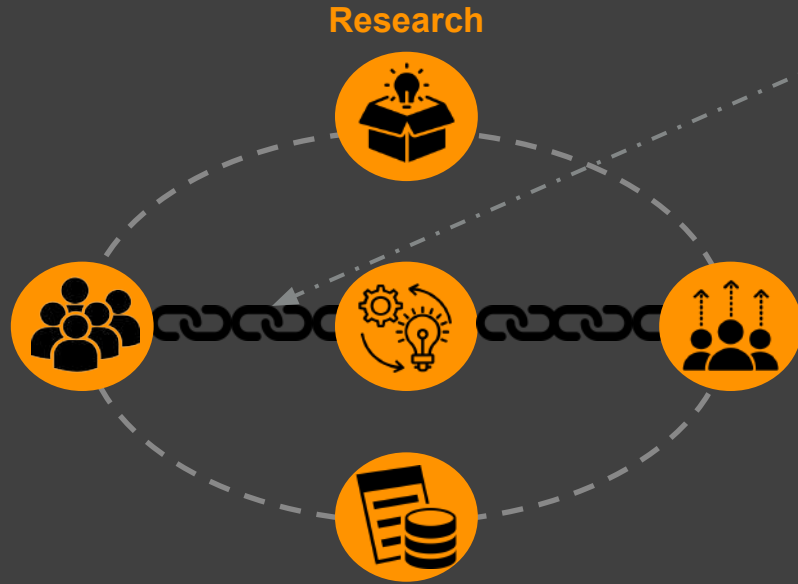
*We combine a range of **socio-technical skills** including scientific communications, stakeholder engagement and domain expertise.*

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



Emma Karoune

Research Applications Manager

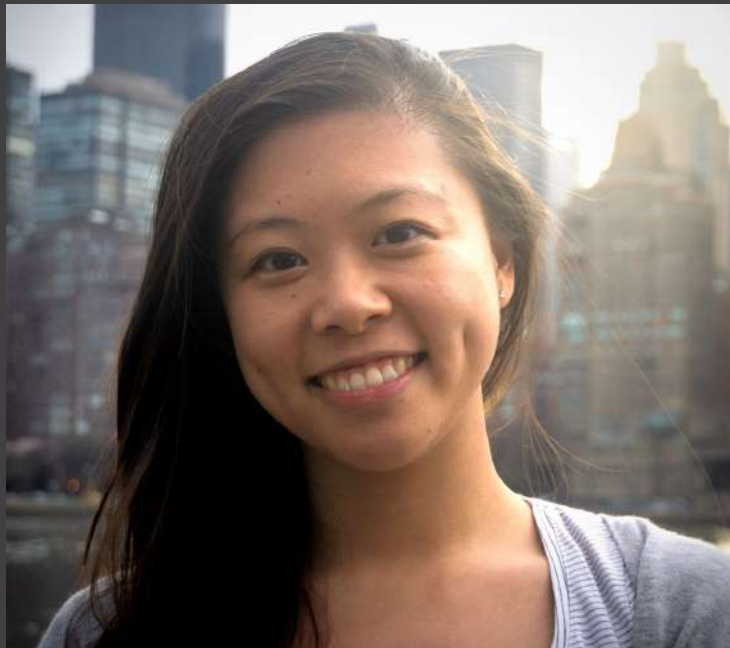


A Research Applications Manager
engages external stakeholders to adapt
research outputs for real-world use.

Research Applications Management (RAM)

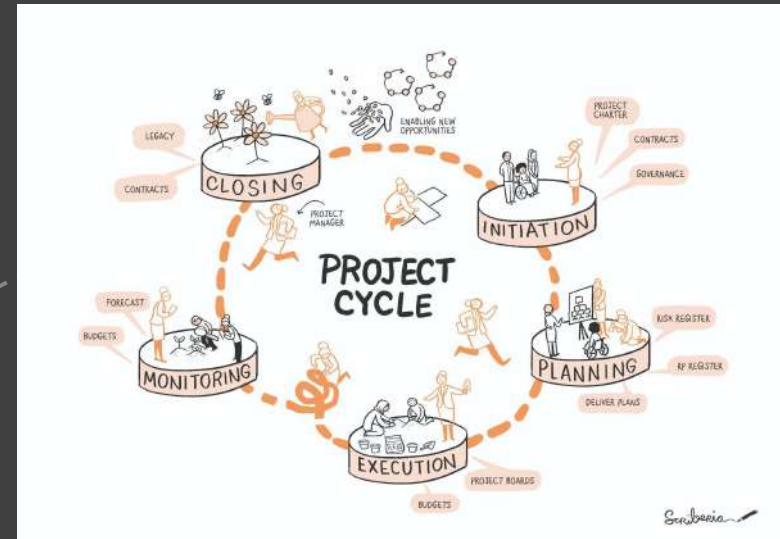
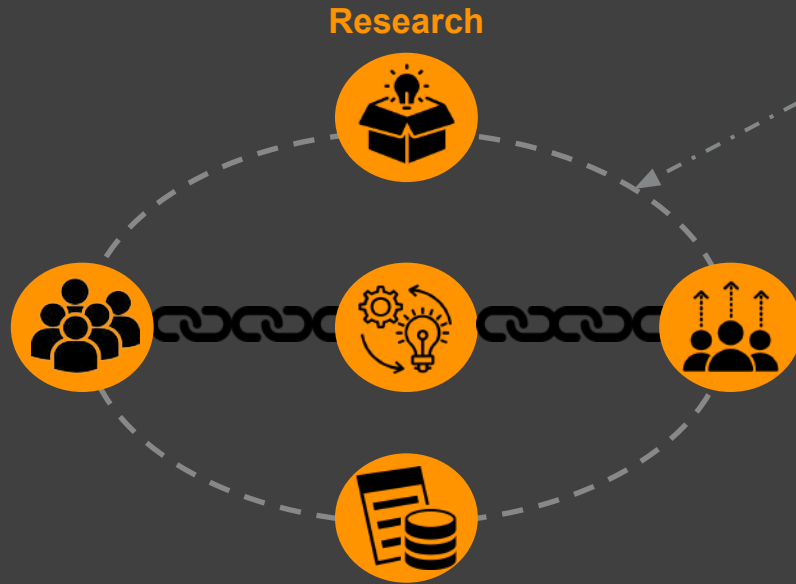
*RAMs make research outputs to be more **usable and support their adoption** by people outside of academia.*

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



Jennifer Ding

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