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Pointers to more effective software & data in audio research

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Wrap-up

We have covered

- Helping the "Research Pipeline" work:
  - Reproducible Research

- Open Access Papers
  - Read the agreements, Choose/Negotiate, Publish
- Data
  - Preserve, Document, Organize, Review, Licence, Publish
- Software
  - Code Review, Unit Testing, Version Control, Licence, Publish

Suggestions for research groups

Papers:

- Have an Open Access policy

- Ask your institution publications librarian to help you

- Work with societies/conferences to encourage open access

Data:

- Q: What would happen if disaster? (Building burns down, etc)

- Institutional data policy – What is it? Do they need one?

- Investigate data management plans (e.g. DMP Online)

- Include data curation costs in funding proposals

Suggestions for research groups

Code:

Aim at easy training targets

– Researchers may know less about coding than you'd think!

– Program structure, arranging code across files etc

Encourage collaborative development

– Papers often co-authored, why not code?

– Create an environment of confidence about sharing

Insist on use of version control

– Use what you have available, or code.soundsoftware.ac.uk

Turn code into plugins or components in modular systems

– Latch onto the existing ecosystems of popular applications

Do research that makes an impact!

- Make your **research papers** open access

- Manage and publish **reusable research data**

- Develop and publish **reusable research software**

- Make your research **reproducible** and **reusable**

Questions?

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