eResearch @ RMIT

Transforming global research collaboration, technology and process, through advanced infrastructure and software

Heinz Schmidt
@RMIT eResearch is not IT service; but focus:-

- digital transformation of research
- access and barriers to shared platforms and data elsewhere
- novel tech diffusion inbound
- embedded help with translation/demos

Governance, budgeting & planning: **under DVCNR**; beside eResearch Director, Office and Tech eResearch existing for over 5y, for example partner shares in NCI, VLSCI and co-investment in NeCTAR infrastructure at Monash funded by DVCNR

**Enterprise architecture: in triangle** Library - IT Services - Researchers/Labs; represented in eResearch steering committee, joint projects, processes & systems

**Culture: researcher-facing & research-aware** (staff with PhD or part-time PhD students); cross-disciplinary and embedded in research projects complementing services divisions

**Future Change:** 4 existing institutes transforming into **8 Enabling Capabilities** with eResearch cross-cutting them: multi-disciplinary, open, flexible groupings sharing translation opportunities/risks, selected tech skills and industry networks
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What in the world...”

... is eResearch@RMIT?

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Enabling capability platform identified

- Advanced manufacturing and fabrication
- Advanced materials
- Biomedical and health innovation
- Design and creative practice
- Global business innovation
- Information and systems engineering
- Social change
- Urban futures
Project-Driven eResearch: Research Acceleration by Innovation

- Beside minor and major infrastructure projects
- Pipeline of smaller eResearch trial and pilot projects with priorities and gate review process
- Leveraging shared infrastructure investment
- Triggered by grants and attracting investment

BlueSky → Sandbox → Hothouse → Incubator → Production

eResearch
Project-Driven eResearch: Research Acceleration by Innovation

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RMIT eResearch connected in Ecosystem
- Over $2m grants
- Major partnerships
- Platform communities hard: change culture, processes and canary role
- eResearch learnings hard: change skills hard to train and sustain