

ARMS 2024 CONFERENCE ABSTRACT

Theme: Professional research management as an embedded practice

Title: Fostering open science practices: the role of research management

Authors: Louise Townsin & Kay Govin - Torrens University Australia

Abstract:

Introduction

This poster presents the eight pillars of Open Science (European Commission, 2019) highlighting the role of research management in their implementation within universities. The eight pillars are:

- FAIR Data
- Education and Skills
- Research Integrity
- Rewards
- Next Generation Metrics
- Citizen Science
- Future of Scholarly Communication and
- European Open Science Cloud (and its parallel initiative Australian Research Data Commons)

Methods

We share global best practice research management approaches to support open science, as well as specific local examples from a young university commencing strategic focus on open research policies and practices.

Results

Our study provides insights into the challenges and opportunities faced by institutions, research support services and researchers in adopting open science principles. The findings elucidate the potential of open science initiatives to drive research culture within universities, to facilitate changes in attitudes towards data sharing, collaborations, and the adoption of transparent and reproducible research practice. We also note that barriers to implementation of open research environments may hinder the adoption of research management strategies and initiatives.

Conclusions and Recommendations

The eight pillars require cross-university collaboration and dedicated academic leadership for the promotion and uptake of open science practices. Research management professionals can play key influential roles in each of the pillars. Ultimately, the principles of open science - inclusion, fairness, equity, and sharing - seek to change the way research is done, promoting knowledge exchange and collaboration.