

AAL – NCA Data Workshop – Opening Remarks

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Astronomy
Australia
Ltd.

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AAO-MQ



New challenge – data science

- Dataset size and complexity → new structures for our science
- New specialist domain – data science
- Science areas
 - Radio
 - Optical/NiR
 - GW
 - HPC/Simulation



What we know

- Different requirements
- Established strengths geographically spread
- Require long-term funding streams
- Part of ‘infrastructure’
- Careers for ‘data scientists’
- Government: work together



What we have learned

Governance is critical:

- ‘Follow the money’

Community input:

- For oversight
- And by users

A light touch:

- Not overly bureaucratic

Transparency:



Not to be forgotten

- Experience of industry & other organisations
- Software engineers required
- Critical mass (50+) → distributed
- Allocation of resources needs to be competed



MTR – what can be achieved?

- Unified vision
- Realistic expectations
- Coherent governance principles

- But – we cannot expect to resolve all the issues today