

Implementation Issues

Australian Ocean Data Network

- Defining start / end points
- Risks and risk management
- Resourcing data management
- Models of interaction
- What is needed for success?
- What comes next?

Start & end points

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- **Start** with AODN + IMOS-related capability (as per proposals)
- **End point** ...
 - there isn't one ... so how far will we get?
 - minimum deliverable =
 - All data readily discoverable and accessible
 - Majority of data interoperable
 - Some level of data products available

Risks & risk management

Australian Ocean Data Network

- Failure of AODN technologies (portal, MEST, catalogue etc)
- Failure of AODN repositories (short or long term)
- Too difficult to develop necessary standards
- Too many data streams to handle
- Lack of experience of IMOS facilities with data issues
- Lack of engagement / compliance by IMOS facilities

Risks & risk management

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- Failure of AODN technologies (portal, MEST, catalogue etc)
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Risks & risk management

Australian Ocean Data Network

- Failure of AODN technologies (portal, MEST, catalogue etc)
 - strong liaison with other projects (BlueNet) and AODCJF Technical Committee
 - define alternative solutions / strategies early
 - maintain focus of eMII technical team
 - engagement with NCRIS 5.16 / ANDS (Aust Nat Data Service)
- Failure of AODN repositories (short or long term)
 - develop hosting guidelines and a legal instrument to engage repositories
 - establish 'repository bail-out plan'

Risks & risk management

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- Too difficult to develop necessary standards
 - walk before running ... focus on conformal data initially and, over time, build standards with community
- Too many data streams to handle
 - phased complexity of delivery – start with 'library' service
 - prioritise by need?
 - engage others who might help (CRC Spatial Information; States?; international)

Risks & risk management

Australian Ocean Data Network

- Lack of experience of IMOS facilities with data issues
 - eMII outreach services and other services to work with facilities; e.g. training services, user manuals, help desk, discussion list
 - proactive review from eMII end
- Lack of engagement / compliance by IMOS facilities
 - sticks = contract, weight of IMOS office
 - carrots = highlight benefits of collaboration, access, data products etc.
 - communication, ongoing negotiation and iterative policy development

Anything else?

Resourcing data management

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- Responsibilities of facilities / nodes
 - data acquisition
 - data availability in timely manner
 - conformance
 - QA/QC
 - constructing metadata
 - uploading data / metadata
 - (data products)

Manage your budget accordingly

Resourcing data management

Australian Ocean Data Network

- Responsibilities of eMII / AODN
 - ensure availability of repositories & services (discoverability, access, delivery time etc)
 - provision of AODN technologies
 - provision of assistance
 - Standards
 - Operation of network
 - QA/QC
 - assist with development of data products as web services, web features, data use / re-use tools etc.

Models of interaction

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- Facility data facilitator = point of contact
- eMII newsletter (frequency?)
- Outreach services (guides, workshops, help desk, discussion list)
- More eMII workshops
- Publicly viewable outreach workflow schedule?
- What else?

What is success?

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- Timely availability of data
- Ready discoverability of data
- Ready access to data
- Smooth operation of AODN technologies
- Data standards for all streams
- QA/QC processes for all streams
- Data products meet basic needs of community
- What else?

What comes next?

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- Needs analysis
- Establishment of eMII staff / office
- Development of detailed eMII implementation plan
- MEST and portal (?) go live
- Meeting of eMII implementation group
 - Director IMOS
 - Director eMII
 - Director AODCJF
 - Director TPAC
 - Chair AODCJF Technical Committee
 - eMII PI
- Outreach services

Needs analysis

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- Details of data stream(s)
 - type, frequency, magnitude
 - nature of ancillary data
 - when will your data stream commence?
 - existing standards, QA/QC ... detail, detail, detail
- Identification / prioritisation of your needs from eMII
 - following from initial feedback ... detail, detail, detail