Data Management Breakout Group SAON III Day 2 morning session:

1. Further discussion on questions
- Incorporation of contribution from MP

2. Discussion of Data-relevant Building blocks:

- Need to derive a list of data centers and portals used by arctic observing entities and do a stock take of these (review of capabilities, etc.)
    o (pro)active approach (don't rely on questionnaire)
    o Mine IPY-DIS
    o Revisit AON report
    o Google searches
    o Use network/national data contact points

- Establish a framework for the development of a portal
    o Better define user community/ies
    o Better define user community needs
    o Use above to define desired functionality
    o Review existing portals with respect to functionality

- Develop incentives for archiving data (and metadata)
    o Establish online refereed journals for
        ▪ Publishing datasets and derived products
        ▪ Publishing methods and analytical approaches
    o Target education of young people to shift mindsets for data archiving

- Develop community of practice for liaising with GEO

- Need improved allocation of resources to data management, cyberinfrastructure and portal maintenance.

3. Discussion of need for a data management committee and (prioritized) task list for such a group:

- Initial period (6 months-1 year)
1. Identify point person to work on data management issues within 'SAON secretariat'[1].
2. Establish a 'SAON data management group'[2] – disciplines, countries, science, technology reps, cyberinfrastructure etc.
3. Identify data management liaisons or point persons with other SAON groups (networks, countries)
4. Identify portals, and data centers in each participating network/country (national reps?)
    a. Which data sets are available as web services
5. Compile list of data and portal- relevant needs from different domains (terrestrial, marine etc)
6. Identify role and priorities for cyberinfrastructure for co-development of cyberinfrastructure tools like data portals, rss feeds, ical feeds, tools for virtual collaboration, best practice wiki
7. Derive requirements of data centers to partner with SAON – have a sort of SAON certification requirement.
8. Develop metrics of success
9. Identify low hanging fruit for creating early successes

- Medium to Long-term (1-5 years)
10. Develop and implement a SAON data policy
    o Draw from experiences of IPY-DIS
    o Identify standards/protocols (for meta-data and data)
11. Develop search tools to locate data stores
12. Develop education outreach program that helps to shift mindset for data archiving
    o For example, UArctic online class in data management, use, archiving etc.
13. Design online journal-like capacity for publishing data sets and methods
14. Develop protocols for provision of web services
15. Develop QA/QC protocols, etc.

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[1] Used as a gap filler to describe the resulting entity from the SAON process.
[2] Need to establish some 'structure' to implement a SAON data management initiative (build on IPY group?)