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.)
     - (pro)active approach (don’t rely on questionnaire)
     - Mine IPY-DIS
     - Revisit AON report
     - Google searches
     - Use network/national data contact points
   - Establish a framework for the development of a portal
     - Better define user community/ies
     - Better define user community needs
     - Use above to define desired functionality
     - Review existing portals with respect to functionality
   - Develop incentives for archiving data (and metadata)
     - Establish online refereed journals for
       - Publishing datasets and derived products
       - Publishing methods and analytical approaches
     - 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’\textsuperscript{1}.
  2. Establish a ‘SAON data management group’\textsuperscript{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.

\textsuperscript{1} Used as a gap filler to describe the resulting entity from the SAON process.
\textsuperscript{2} Need to establish some ‘structure’ to implement a SAON data management initiative (build on IPY group?)