Prototype #2

Cruise Summary Reports (CSRs)

Update
Goal

Improve discovery and access of data and documentation from oceanographic research cruises across regional systems.
Work Plan

1. Publish ISO Cruise Summary Reports at regional nodes
   - AU MNF
   - EU SDN
   - US R2R

2. Deploy GeoNetwork catalogs at regional nodes
   - provides both GUI (Web portal) and API (CSW service)

3. Harvest GeoNetwork nodes into POGO global catalog
   - provides integrated search
Progress

DONE

1. Publish ISO Cruise Summary Reports at regional nodes
   - AU MNF
   - EU SDN
   - US R2R

IN PROGRESS

2. Deploy GeoNetwork catalogs at regional nodes
   - provides both GUI (Web portal) and API (CSW service)

TODO

3. Harvest GeoNetwork nodes into POGO global catalog
   - provides integrated search
Progress:
AU/ MNF

   http://www.cmar.csiro.au/geonetwork

   ss2013_c01
   ss2013_c02
   ss2013_v01
   ss2013_v02
   ss2013_v03
   ss2013_v04
   ss2013_v05
   ss2013_v06
   ss2013_t01
   ss2013_t02
   ss2013_t03
   ss2013_t04
Progress:
EU/SDN

Thomas/Mickael will report.

http://www.ifremer.fr/geonetwork-sdn/
Progress: US/ R2R


http://catalog.rvdata.us/geonetwork

- Faceted search/browse
- Improved harvest
- Map overlays, control
Progress: US/ R2R  
(cont.)

2. Re-publish CSRs, upgrading from ISO 19115 to 19115-2, adding new section for platforms/instruments:

```xml
<gmd:fileIdentifier>
<gmd:language>
<gmd:characterSet>
<gmd:hierarchyLevel>
<gmd:hierarchyLevelName>
<gmd:contact>
<gmd:dateStamp>
<gmd:metadataStandardName>
<gmd:metadataStandardVersion>
<gmd:identificationInfo>
<gmd:acquisitionInformation> NEW
```
3. Cont. populating and mapping to SeaDataNet vocabularies and ED* directories.
   - Person – map to eg. ORCID, RID
   - Organization – map to EDMO
   - Device Type/Model – map to SDN L05, SeaVoX L22
   - Activity Type (Event Log)
   - Data Parameter/QC Code
   - Port – map to SDN C38
   - Program – evaluate/map to EDMERP
   - Water Body – map to SDN C19 (SeaVoX Gazetteer)
   - Data Category – map to SDN C77

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- Make cruise descriptions available as RDF for Semantic Web applications.
- Interoperate with NSF EarthCube, NOAA Data Centers.
- Embed Linked Data URIs within ISO XML for Cruise Summary Reports. Example:

```xml
<gm:pointOfContact>
  <gm:CI_ResponsibleParty>
    <gm:individualName>
    </gm:individualName>
  </gm:CI_ResponsibleParty>
</gm:pointOfContact>
```
Cont. populating + mapping vocabularies.

Upgrade support for 19115-2 import in SDN GeoNetwork.

Establish Cruise ID authority scheme.

Work with BSH to harvest regional nodes into POGO and resolve duplicates.

Publish best practices/guidance document.
Discuss.