Taking ICAN Forward Technically

Summary

- Prototype III
- Where ICAN needs to Develop
    - Functionally
    - Semantically

ICAN Prototype III

- Developed by CMRC (Yassine Lassoued)

- Semantic Discovery Engine with an ontology browser interface

- Searches federated metadata exposed through CSW

  – Initially built for Geo-DI project

  – Re-branded for the NETMAR EUMIS portal

ICAN Prototype III

- What's needed for this to become Prototype III
  - ICAN branding
    - Simply a style sheet
  - ICAN semantic content
    - Available in NVS from content posted in MMI ORR
    - Now Yassine is back work can begin linking this to his semantic engine
  - CSW metadata marked up with Oregon Coastal Atlas keywords
  - Coastal Erosion thesauri to merge into the semantic resource
  - CSW metadata marked up from these thesauri

Where ICAN Needs to Develop

- Prototype III as described gives coastal erosion smart discovery

- Development needed in two areas
  - Backing up discovery with data
  - Development of additional semantic domains

Where ICAN Needs to Develop

- OGC services to back up the CSW metadata
- NETMAR can provide tools to help
  - Service chaining editing and orchestration
  - GIS viewer

Where ICAN Needs to Develop

- Additional semantic domains
  - ICAN needs to decide one, possibly two, candidates
  - BODC will lead the ICAN Technical Team in their population funded by NETMAR
  - Support available if required from NETMAR ontology governance