GEO Task AR-07-02
Architecture Implementation Pilot

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GEO User Interface Committee Meeting,
3 August 2007
GEO Task AR-07-02  
GEO Architecture Implementation Pilot

• Evaluate, enhance, and document an operational architecture for GEOSS, using open standards

• Register persistent services that support multiple application domains

• Develop scenarios to exercise discovery and access mechanisms for services and data

• Develop evaluation criteria and candidates for re-usable GEO Web Portal and Clearinghouse

• Record scenarios for video display and exhibits at GEO Plenary and Ministerial, November 2007

www.ogcnetwork.net/Alpilot
• Lead incorporation of contributed components consistent with the GEOSS Architecture…
• …using a GEOSS Web Portal and a GEOSS Clearinghouse search facility
• …to access services through GEOSS Interoperability Arrangements
• …in support of GEOSS Societal Benefit Areas
AI Pilot Approach

Derived from OGC Pilot Policy and Procedure
http://www.opengeospatial.org/ogc/policies/ipp
AI Pilot Milestones

• Call for Participation (CFP)
  – CFP Preparation based on RFIs February & March
  – CFP Release 13 April
  – CFP Responses Due 11 May

• Pilot Kickoff meeting 5-6 June
  – ESA-ESRIN

• Deploy, Integrate, Test 4 mo. June to September

• Scenario Capture Workshop 10-11 September

• Persistent Capability After September
Engineering Viewpoint Architecture

From AI Pilot Call for Participation

Slide 6
AI Pilot Kickoff Workshop

• June 5&6 at ESA-ESRIN
  – ~70 people attended, 24 sessions
  – Presentations are posted: www.ogcnetwork.net/AIpilot
  – Thanks to all Session Leaders

• 10 Working Groups established
  – e-mail lists for all WGs and plenary list www.ogcnetwork.net/AIPilotLists
  – ~130 people listed on plenary list

• Weekly plenary telecon
AI Pilot Implementation

Working Groups

• Architecture WG
• Clearinghouse WG
• FedEO Pilot WG
• GEO Web Portal WG
AI Pilot Implementation

Working Groups

- Architecture WG
  - Doug Nebert, Michel Millot, Larry McGovern
- Clearinghouse WG
  - Josh Lieberman
- FedEO Pilot WG
  - Ingo Simonis
- GEO Web Portal WG
  - Corentin Guillo
• GEO Web Portal WG
  – 4 candidate portals
  – User evaluation process
  – Venues for user evaluation
<table>
<thead>
<tr>
<th>Month</th>
<th>Event Title</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr-07</td>
<td>IEEE SoS and Signal Conferences</td>
<td>Hawaii, USA</td>
<td>SOSE and Information infrastructure for GEOSS</td>
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<tr>
<td>Jun-07</td>
<td>Intl Symp on RS of Environment - ISRSE</td>
<td>San Jose, Costa Rica</td>
<td>Sustainable dev through EO, Agriculture</td>
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<tr>
<td>Jul-07</td>
<td>IGARSS07</td>
<td>Barcelona, Spain</td>
<td>GEOSS System components</td>
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<td>Aug-07</td>
<td>IPY GeoNorth</td>
<td>Yellowknife, Canada</td>
<td>Climate and biodiversity</td>
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<td>Sep-07</td>
<td>AfricaGIS07</td>
<td>Burkina Faso</td>
<td>EO for water, health</td>
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<td>Sep-07</td>
<td>OGC TC</td>
<td>Boulder, CO USA</td>
<td>Regional Decisions for Climate Change</td>
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<tr>
<td>Nov-07</td>
<td>Asian Conference on Remote Sensing</td>
<td>Kuala Lumpur, MY</td>
<td>Environment Disaster/Tsunami</td>
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http://www.grss-ieee.org/menu.taf?menu=GEOSS&detail=GEOSSWorkshops
Scenario Working Groups

- Wildland Fires in Africa
- Ecosystems & Biodiversity - Africa
- Ecosystems & Biodiversity - Polar
- Regional Decisions for Climate Change
- Oil Spill
- Volcano
Scenario WG Leaders

- Wildland Fires in Africa
  - Ingo Simonis, OGC
- Ecosystems and Biodiversity in Africa
  - Steve Peedell, JRC
- Ecosystems and Biodiversity in Polar Regions
  - Terry Fisher, NR Canada & George Percivall, OGC
- Regional Decisions for Climate Change
  - George Percivall, OGC
- Oil Spill
  - Corentin Guillo, EADS-Astrium
- Volcano
  - Satoko Miura, JAXA
Scenario Capture Workshop

- Screen capture recordings of Scenario clients
  - EO Summit Communication Task Force
  - Participants exhibits at summit
- In advance
  - Scenario
  - Scripts: keystrokes and narration
  - Clients and servers in registry
  - Integration testing
- 10&11 September in Washington DC, in conjunction with ADC meeting
Seeking coordination with GEO UIC

- GEO Web Portal
  - Coordinate on establishing criteria for evaluation
  - Coordination on user evaluations of GEO Web Portal candidates

- AI Pilot Scenarios
  - Coordinate on development of scenarios, identification of data, etc.
Questions?

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