UN Digital Preservation & Continuity

UNGIWG 14th Annual Conference, May 2014

United Nations
Archives and Records Management Section

Protecting the Present
Preserving for the Future
Agenda

1. Who
   UN Archives & Records Mgt. Section
2. Why
   UN Digital Preservation and Continuity
3. How
   International Standards & Best Practices
4. What
   UN Geospatial Data Continuity
   - Where we are?
   - What we can do?
1. Who we are - UNARMS
2. UN Digital Preservation and Continuity

**SG’s Decision (2011/9)**
28 April 2011

- the Organization will ... move to a “paperless” office environment by 2015
- Special attention will be given to electronic record keeping, electronic signatures and knowledge management solutions.

**Common Challenges to Digital Continuity**

- Media fragility
- Technology obsolescence
- Loss of integrity

**Challenges to GIS Data Continuity**

- Proprietary GIS system and data format
- Decision-making records vs. underlying original data
- Retention policy
- Metadata
- Information security, sharing and access control

**Opportunity**
Preservation of older data means ability to do temporal analysis (e.g. land use change, etc.)
3. International Standards & Best Practices (1/3)

CCSDS 650.0-M-2
ISO 14721:2012

CCSDS 652.0-M-1
ISO 16363:2012

CCSDS 652.1-M-2
draft ISO 16919

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3. International Standards & Best Practices (2/3)

http://www.dlib.indiana.edu/~jenlrile/metadatamap/seeingstandards.pdf

- National Geological and Geophysical Data Preservation Program (NGGDPP) – USGS

http://datapreservation.usgs.gov/index.shtml

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4. UN GeoSpatial Data Preservation & Continuity

- **Where we are - ARMS?**
  UN Electronic Record-keeping standards:
  - Functional Requirements & Metadata Standards
  - Digitization Standards
  Trustworthy Digital Repository:
  - TRAC checklist & TDR
  Membership of Digital Preservation Coalition

- **What we recommend?**
  GeoSpatial Data Producers and Owners to work on:
  - UN GIS repository inventory
  - UN GIS data catalogue
  - UN GIS metadata standard
  - UN Retention Policy of GIS data
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