

UN Digital Preservation & Continuity

UNGIWG 14th Annual Conference, May 2014



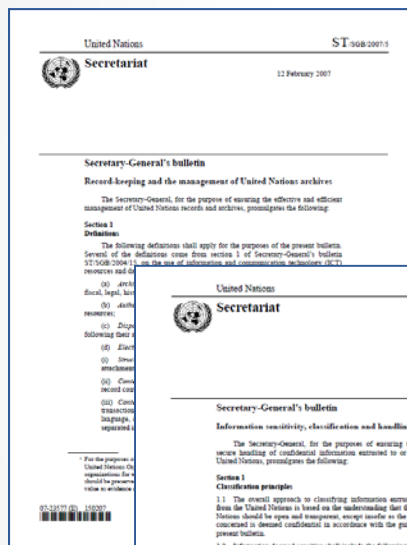
United Nations
Archives and Records Management Section

*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

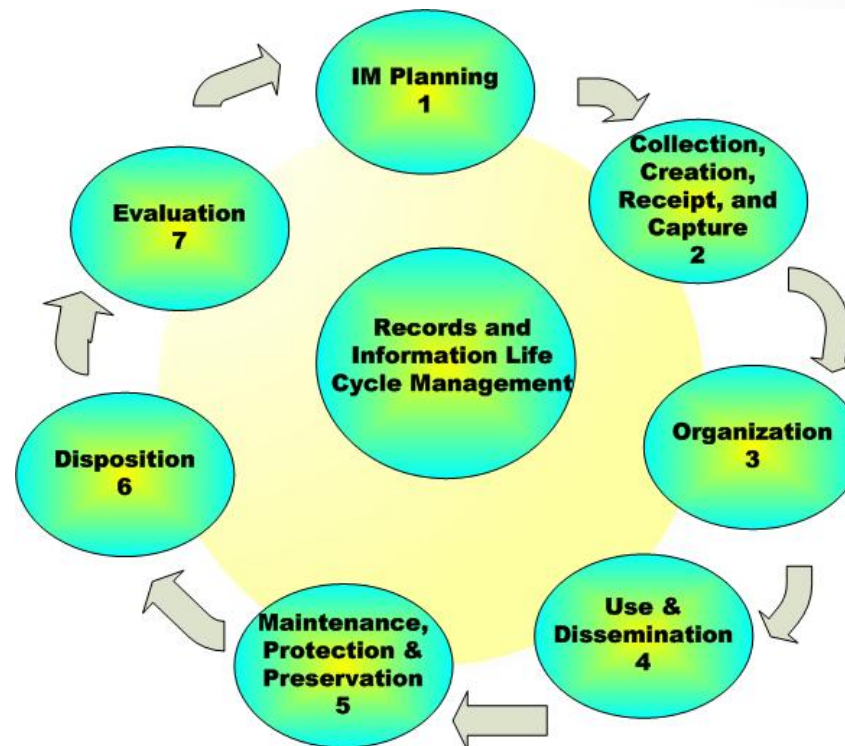
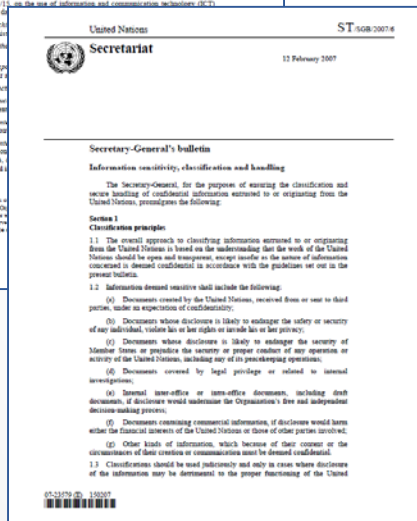


ST/SGB/2007/5

12 February 2007

ST/SGB/2007/6

12 February 2007



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

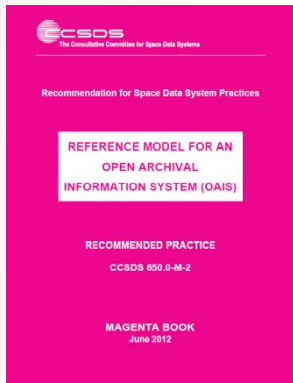
Challenges to GIS Data Continuity

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

Opportunity

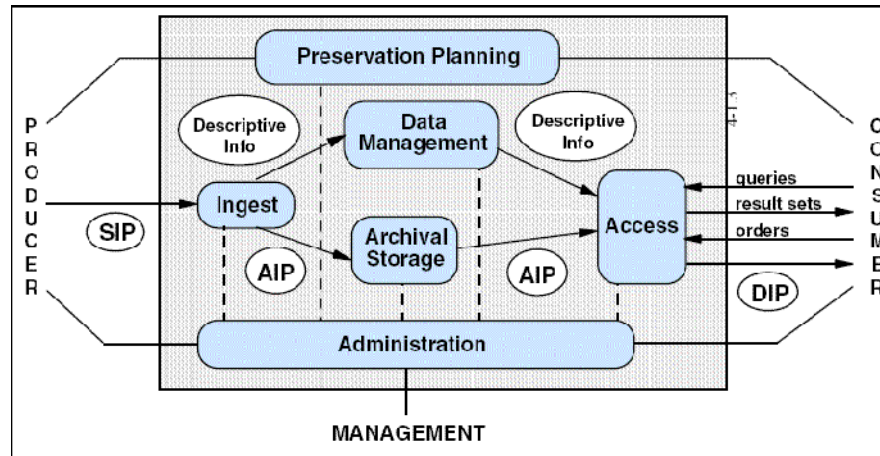
Preservation of older data means ability to do temporal analysis (e.g. land use change, etc.)

3. International Standards & Best Practices (1/3)

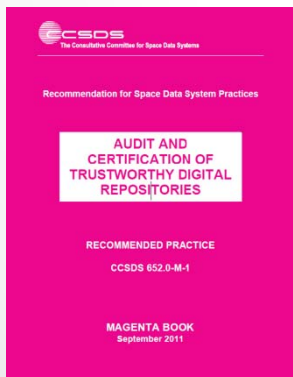


CCSDS 650.0-M-2

ISO 14721:2012

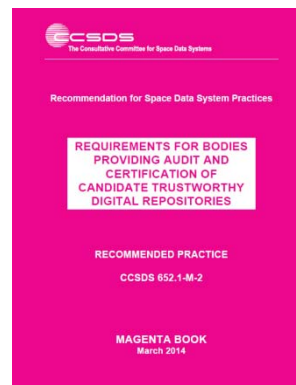


OAIS
Model



CCSDS 652.0-M-1

ISO 16363:2012



CCSDS 652.1-M-2

draft ISO 16919

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

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



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

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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