**ASPRS Data Preservation and Archiving Committee (DPAC)**

**February 14, 2013 Meeting**

Attendees: Camal Dharamdial, Josep Lluis Colomer, Bill Teng, Jeff Young, John

Faundeen

Agenda Topics

1. Action Item Review

    a. DPAC DM Statement placement

    b. Temp/RH Guidelines placement

    c. Email Subscription Service for Purge Alerts

    d. Archive Definitions (see attached)

2. EuroSDR Paper discussion

3. Annual Conference Special Session

4. Next Meeting - April 11th (skip March 14)

5. Future Topics

6. AOB

Action Item Review

John Faundeen noted that the recently approved DPAC Data Management Statement has been released to the ASPRS DPAC site at http://www.asprs.org/Committees/Data-Preservation-and-Archiving-Committee.html. **ACTION:** Lluis Colomer to share the Data Management Statement with the EuroSDR.

Similarly, the recently approved DPAC Temperature and Relative Humidity Guidelines was released to the ASPRS DPAC website. This and the Data Management Statement are the first two outputs from the newly reinvigorated DPAC. **ACTION:** Lluis Colomer to share the Temperature and Relative Humidity Guidelines with the EuroSDR.

John began a discussion with Kim Tilley at ASPRS on if and how ASPRS could support a subscription service that would send out *Purge Alerts.* The servicewould allow ASPRS members to engage parties intending to purge remotely sensed or geospatial collections and determine if they are interested in saving the collection. Kim is discussing the idea with Jim Plasker.

The participants decided more time was needed to reflect on the archive descriptions John sent out February 13. We agreed to have comments back before our next meeting, which is at the ASPRS Annual Conference on March 25th. **ACTION:**

DPAC members to review and comment on the feasibility of the proposed archive terms and definitions by March 21.

EuroSDR Paper discussion

Similarly, the participants wanted more time to determine if the EuroSDR, a group of national mapping agencies in Europe, principles would benefit ASPRS. **ACTION:** DPAC members to review and provide comments on usability of EuroSDR Principles by March 21. The Principles are listed below:

Principle 1: Archiving of digital Geographic Information begins at the point of data creation, rather than at the point of withdrawal from active systems.

Principle 2: The backbone for any archiving business case is the establishment and agreement of a common preservation planning process and a set of common preservation objectives between data producers and archives.

Principle 3: Be selective and decide what to archive and what to lose.

Principle 4: Consider preservation timeframes of 1, 10, 100 years.

Principle 5: Migration or emulation is inevitable in the medium and long term. Be prepared and choose which properties to preserve in advance.

Principle 6: The output of the archival planning process should also be preserved over the long-term to accommodate future preservation requirements.

Principle 7: Archiving is not back-up. You should also back-up your archive.

Principle 8: Geographical data should be preserved in a way that non geo-specialists can handle.

Principle 9: Information objects should be self-contained and independently understandable.

Principle 10: Preferably keep the gold copy version of the 100 year data archive in open, file based repositories, not in databases, nor other complex environments.

Principle 11: Try to keep a graphical representation alongside the logical representation of the data.

Principle 12: Restrict the number of formats and encodings to a widely agreed set of open, simple and well-documented file formats.

Principle 13: Prefer simple data models and schemas over complex ones.

Principle 14: Keep the access mechanism for archived data simple. Focus on basic current user requirements – an archival viewing system does not need to be a fully functioning GIS.

Principle 15: Ensure effective management and quality assurance of the metadata associated with your data.

Principle 16: Make some assumptions about future use, but don’t be too restrictive.

Annual Conference Special Session

11:00-12:30 Thursday, March 28

**Title:** Best Practices in Archiving and Preservation of Imagery and Geospatial Data

Description

This Data Preservation and Archiving Committee sponsored special session will provide ASPRS members with best practices, lessons learned, and real world experience from geospatial data archives representing different levels of management. Perspectives from international members as well as the federal, state, local, academic and private sectors will be represented. Organizations managing petabytes of observational and geospatial data will share their procedures for ensuring data integrity, usability, and usefulness, and for mitigating risks. Each presenter will describe his/her organization’s policy, methodology, and technological approach to preserving geospatial data, thus providing a valuable source for preservation management. The importance of preservation will be underscored in the last presentation, which details the forensics perspective of aerial archives in civil and criminal law cases.

Moderator: John Faundeen

1- Presentation Title: International Perspective

Authors: Lluis Colomer

Presenter (include address, email and affiliation):

VP R&D

Institut Cartografic de Catalunya

Apartado Correos 9384

08080 Barcelona, SPAIN

[colomer@icc.cat](mailto:colomer@icc.cat)

2- Presentation Title: State Perspective

Authors: Cindy Clark

Presenter (include address, email and affiliation):

State of Utah

SGID Administrator/GIS Analyst

1737 East Burning Oak Drive

Draper, UT 84020

cclark@utah.gov

3-Presention Title: Private Industry Perspective

Authors: Jeff Young

Presenter (include address, email and affiliation):

Business Development Manager

LizardTech, a Celartem Company

5793 South Hannibal Way

Centennial, CO 80115

[jeffreymyoung@msn.com](mailto:jeffreymyoung@msn.com)

4- Presentation Title: Federal Perspective

Authors: John Faundeen

Presenter (include address, email and affiliation):

U.S. Geological Survey

47914-252nd Street

EROS Center

Sioux Falls, SD 57198

faundeen@usgs.gov

5- Presentation Title: Legal Perspective

Authors: Bob Pope

Presenter (include address, email and affiliation):

Waterstone Environmental, Inc.

2936 East Coronado Street

Anaheim, CA 92806

rpope@waterstone-env.com

**ACTION:** The presenters to provide John with their presentation by March 20th.

Next Meeting

John has a travel conflict with our March meeting date. With the ASPRS Annual Conference just two weeks after our scheduled meeting date, we will use the Monday, March 25th 2:00-3:00 DPAC meeting as our March session. Our April meeting is on the 11th.

Future Topics

Bill Teng discussed two ideas for future topics. The first was the preservation of documents relating the actual data. The second was on Digital Object Identifiers (DOI) for digital data. **ACTION:** Bill to determine if a presentation can be provided from NASA on DOIs at the April 11th DPAC meeting.

Lluis offered a topic relating to how preservation guidance such as policy or principles can be implemented in standardized fashion.

AOB

The references to EuroSDR came about form Lluis’ interaction with that group. While their focus is primarily European national mapping agencies involving mainly vector datasets, the group has stated a desire to develop more guidance related to imagery. The DPAC will continue high-level interaction and sharing of documents with this group to determine if there is relevant synergy between the two groups.