



## **Earth Observations for Ecosystem Accounts (EO4EA): Using Geospatial Data to Identify and Monitor Ecosystem Services in an Ecosystems Accounts Framework**

A workshop to develop the *EO4EA* Initiative

April 18-20

Held at: Conservation International, 2011 Crystal Drive, Suite #500, Arlington, VA 22202

Sponsored by the U.S. Group on Earth Observation, Conservation International, and the World Bank/WAVES Partnership

### **Final Agenda**

#### **Monday, March 18**

08:30 – 09:00 am      **Breakfast and Registration**

09:00 – 10:30 am      **Welcome**

- Daniela Raik (Conservation International)
- Daniel Juhn and John Matuszak, Moderators
- US GEO subcommittee co-chairs: Lawrence Friedl (NASA) and Zdenka Willis (NOAA)
- *Tour de table*

10:30 – 11:00 am      **Coffee**

11:00 – 12:30 pm      **Introduction to the workshop, opportunities and needs – Why are we here?** (Moderator: John Matuszak)

- Group on Earth Observation Initiatives
- What it means to be a GEO Initiative? The Template
- Examples of GEO Initiatives
  - GEOGLOWS                      NOAA (Angelica Gutierrez)
  - GFOI                                USGS (Doug Muchoney)
  - EO4ESA Initiative              John Matuszak
- Questions and Discussion

12:30 – 02:00 pm      **Lunch**

2:00-4:00 pm      **Ecosystem Accounting**      (Moderator - Daniel Juhn)

- SEEA Experimental Ecosystem Accounts UN Statistics Division - Julian Chow
- How and Why - current experiences:
  - Peru, CI      CI (Daniel Juhn)
  - Philippines - WAVES      World Bank/WAVES (Sofia Ahlroth)
  - WAVES others countries      World Bank/WAVES (Ken Bagstad)
  - KIP INCA      EEA (Jan-Erik Petersen)
  - Canada      Statistic Canada (François Soulard)
  - Mexico      INEGI (Francisco Javier Jiménez Nava)
  - US -Powell Center proposal      USGS (Carl Shapiro)

4:00 – 4:30 pm      **Coffee**

4:00 – 5:30 pm      **Panel Discussion: Data Needs, Gaps, Classification and Definitions, Collection and Integration, Frequency and Scale**

5:30 – 6:00 pm      **Wrap Up of Day 1**

## **Tuesday, April 19**

9:00 – 11:00 pm      **Earth\_Observation Data and Platforms**      (Moderator - John Matuszak)

- Operational Examples:
  - US Open Water Data initiative      EPA (Dwane Young)
  - SERVIR      USAID (Jennifer Frankel-Reed)
  - European Space Agency (ESA)      Christoph Albrecht
  - BISON      USGS (Derek Masaki)
  - Netherlands Space Agency      Mark Noort
  - NESDIS      NOAA (Marilyn Yuen-Murphy)
  - US Federal Geographic Data Committee      GEO, USGS (Rich Frazier)

11:00 – 11:30 pm      **Coffee**

11:30 – 01:00 pm      **Discussion**



01:00 – 02:00 pm      **Lunch**

02:00 – 04:00 pm      **Standards, Integration, Modeling and Analytics**  
(Moderator - Ken Bagstad)

- Semantics and data/model integration      WB-WAVES Ken Bagstad
- Data integration      ESRI (Jeanne Foust and Eric Van Praag)
- Analytics and Modeling      CI (Mahbubul Alam and Miroslav Honzak)
- Standards, use and analytics      EEA (Jan Erik Petersen)
- Standards and Classification      EPA (Charles Rhodes )
- Ecosystems as Geographic Accounting Units      USGS (Roger Sayre)

04:00 – 04:30      **Coffee**

04:30 – 05:30      **Discussion**

05:30 – 06:00      **Wrap up of Day 2**

**Wednesday, April 20**

09:00-10:30      **A way forward EO4EA, what should it produce?**  
(Moderator – John Matuszak)

- Assessment what is available and what we need
- Filling the gaps data collection, analytics and models
- Agreeing on standards and classification
- Learning from each other – data and information, tools and models, application and iteration (pilots)
- Sharing best practices and lessons learned

Possible contributions and deliverables:

- Earth Observation for NCA      NASA/CI      (Woody Turner/Daniel Juhn)
- EnviroAtlas      EPA      (Brian Pickard)
- Vital Signs      CI      (Alex Zvoleff)
- EA and Environmental Markets      USDA      (Chris Hartley)
- Blue Carbon      CI      (Jennifer Howard)



- Ecosystem Service Classification EPA/UNEP/UNSD/EEA
- Others? EEA, ESA, USFS, NOAA, EC, UNSD

10:30 – 11:00 am **Coffee**

11:00 – 01:00 pm **Populating a GEO initiative: Partners, Timelines, Meetings, Deliverables, Governance**

- Initiative Partners – Steering Committee
- Lines of work
  - Understand the state of data and knowledge, in the Earth Observation and Ecosystem Accounting communities
  - Develop new tools
  - Test applications that link Earth Observation and Ecosystem Accounting
- Meetings
- Contributions and deliverables and Resources