Workshop: Increasing Space Agency Impact on Biodiversity Conservation

Gary Geller, NASA Jet Propulsion Laboratory, California Institute of Technology

Antonio Ferraz NASA JPL

Peter Kalmus NASA JPL

Shaun Levick, CSIRO

Sandra Luque, INRAE/CNES

Marc Paganini, ESA

Roger Sayre, USGS

Woody Turner, NASA

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“What can space agencies do to increase their impact on biodiversity conservation?”

Barriers

- Capacity of many users is limited
- Wide range of EO instruments is confusing (e.g., redundancy)
- Existing data products are difficult to find, access, use
- Not enough higher level products (e.g., EBVs, Indicators…)
- In situ data lacks coordination—not findable, not standardized
- Lack of easily available historical satellite data for baseline scenarios

Recommendations

- Capacity
  - Expand existing training programs for broad biodiversity community
  - Stronger relation between agencies and knowledge hubs in global south
  - Provide funds for fellowships, esp. in global south
- Coordination
  - CEOS should standardize data among space agencies
  - CEOS should develop a roadmap to help coordinate multi-agency biodiversity work
  - Form an biodiversity user advisory group in CEOS
- More higher level products
  - Develop more partnerships to facilitate data product generation. (BON in a Box role…)
  - Leverage existing services such as openEV
  - Need new, young coders who do things in new ways (e.g., beyond L2 to…traits…)
  - Make change maps—everyone is interested in change

Recommendations

- Simplify access to data
  - Cross-agency standards for product generation methodology
  - CEOS create a searchable, LLM built on Agency documentation
  - Coordination & increased access to airborne campaign data
- Various
  - Create sustainable supersites for study and calibration
  - Make more historical data available, esp. Landsat, SPOT

➢ All of this will feed directly into CEOS Biodiversity Study Team