



CEOS Biodiversity Activities

Martin Wegmann, DLR
Timothy Stryker, CEOS

Initial Developments

- February 2011: DLR appointment of Dr. Martin Wegmann as CEOS Biodiversity SBA Coordinator (martin.wegmann@uni-wuerzburg.de)
- 1-3 March 2011: Dr. Wegmann's participation in International Expert Meeting: "*Assessment of the Adequacy of Existing Observation Capabilities for the CBD 2020 Targets*", Wageningen, the Netherlands

Possible First Priorities of CEOS Biodiversity SBA Coordinator

- Compile list of remote sensing data already used by the Biodiversity (BD) community
- Itemize current remote sensing data considered most important by the BD community
- Document planned or potential future remote sensing data which are/may be needed by the BD community

First Steps – Early 2011

- Initial CEOS member agency discussions (DLR, NASA, USGS)
- Introduction of Dr. Wegmann to GEO BON Steering Committee (4 May 2011 letter)
 - Define CEOS support to GEO BON and CBD
 - Connections between remotely sensed and *in situ* data sets
 - Early planning stages of meeting
 - Solicited GEO BON Steering Committee members' input
- Various discussions with BD experts concerning usage of remotely sensed data
- Identify initial Non-Governmental and International Organizations to contact for future discussions/meetings
- Preliminary ideas for meeting agenda and joint BD/EO projects

Possible Next Steps

- Evaluation and discussions with BD community on which remote sensing data sets have been used, successfully and unsuccessfully, for specific research questions
- Discussions and workshop with BD community on which remote sensing information are urgently needed to support/improve global data sets
 - BD observations, analysis, status and modelling
 - Like habitat extent and status, landscape intactness
- Small scale meetings concerning the suitability of different spatial, temporal and thematic data sets
 - *e.g.* not only forest, but separate forest plantation and natural forest
- Discussions on additional parameters based on remote sensing information to provide further ecological information

Notional Timeline

Mid 2011

- Contact GEO-BON, IUCN, WWF, UNEP-WCMC etc.
- First discussions/initial meetings involving both CEOS Member Agency staff and BD community

End 2011

- Define scope and participants of larger meeting on the status and future of remote sensing and BD

Late 2011/Early 2012

- Broader Meeting among CEOS and BD members
 - Consider a remote sensing component for a global biodiversity observation network
- Prepare report/recommendations for CEOS, CBD etc.