

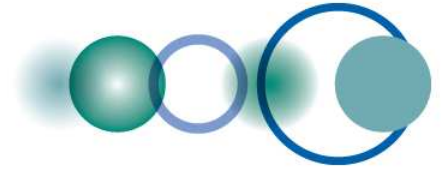
GEO Biodiversity Observation Network

WG Data issues – Outcomes

**GEO BON Meeting
Potsdam, 8-10 April 2008**

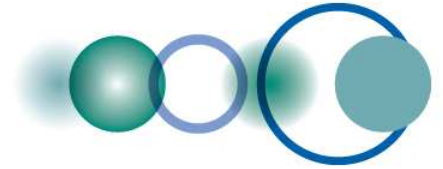


"We have lots of information technology. We just don't have any information."



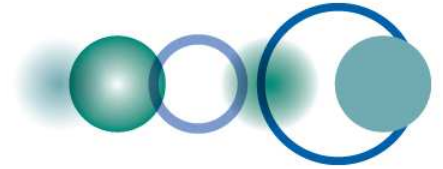
Key Topics

- **Data Management**
 - How to structure the network
 - Need for standards and metadata
- **Data Volumes**
- **Attribution**
- **Data sharing principles**
- **Data Security/Open Access, Treatment of Sensitive Data**
- **Benefits/Incentives for data sharing**
- **Commercial usage and data use tracking**
- **Trace Authorship**
- **Data providers/ Data owners vs data aggregators**
- **Data types**
- **Models & Services**



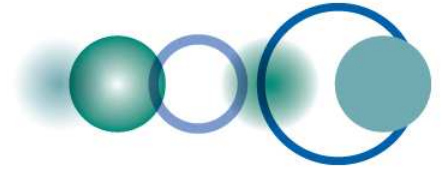
Data Sharing

- Three options
 - Free and open access
 - Metadata free access
 - Open access datasets and metadata free access
- WDPA example
- GEO BON should be a distributed system, not collated system
- GEO BON should provide access to metadata and datasets which are freely available. For data that is restricted but whose metadata is available, GEO BON should direct users to owners of that data



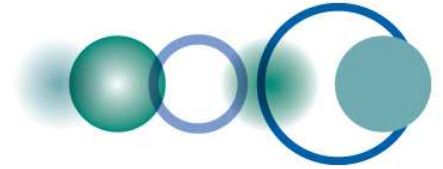
Attribution / Trace Authorship

- GEO BON should provide the lead in providing an attribution mechanism.
- Use mechanisms similar to those used by journals; GEO-BON publish a Journal of GEO-BON Datasets?
- Do we need to attribute GEO BON also?



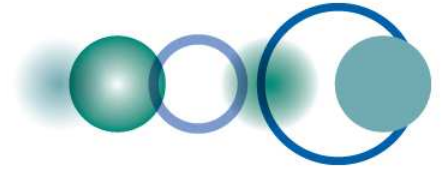
USE Tracking

- Can't really track use
- Voluntary questionnaire?
- Download, hits tracking through automatic tools



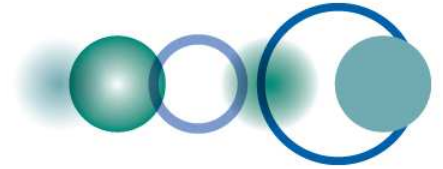
Metadata

- Key to access
- GEO members to mandate that all publicly funded biodiversity data have their metadata registered through GEO BON Registries
- Use existing ISO metadata standards
- Allow search for other data types (e.g. spatially referenced data) in addition to biodiversity metadata?



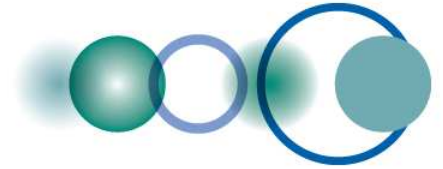
Data standards

- GEO BON should advocate/develop biodiversity interoperability standards
- A strong biodiversity input into the GEO interoperability standards development
- Use existing standards
- GEO BON should promote these biodiversity standards between GEO BON participants
- GEO should have a data validation service to encourage use of the standards



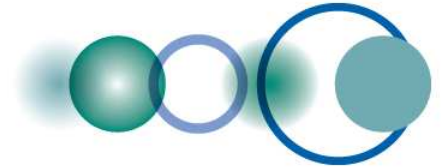
Data volumes

- Is an issue
- GEO BON should address access to data particularly in low bandwidth environment within the broader GEO context



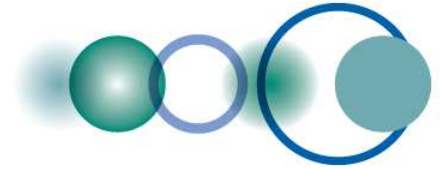
Services

- GEO BON should not be hosting data
- GEO BON facilitates and encourages:
 - Participation by those who don't have resources – brokerage role for hosting services? Institutional constraints to hosting?
 - Resource sharing (supercomputers)
 - Development of data quality tools
 - Enabling capacity building of data mobilisation and use
 - Development of analytical tools and models and encouraging usage. Does GEO BON produce these?
 - Access to expertise/knowledge
- GEO BON should identify and encourage filling of data gaps
- Registry of data acquisition plans



Data Quality

- Quality the responsibility of data providers
- GEO BON should provide automated tools (check, validate) that enable data providers to maintain quality and standards. Does not have the resources to have a 1-1 interaction.
- Training and capacity building



Parking Lot Issues

- Networking and Participation
- Data owners vs data providers
- Models