

IABIN Component 3 Project

Data Integration and Analysis Center (IABIN DIAC)

**Version 2: A Pilot Application for the
Integration, Visualization, Query, Analysis
and Sharing of IABIN Thematic Network Data**

IABIN DIAC Project

Goals for Day 2 presentation

Dispel myths

- Cost
 - There is NO added cost for the use of this tool.
 - One time costs will be incurred to create new functionalities
 - Storage costs will need to be addressed if significant amounts of data storage and processing will be relegated to the “cloud”. These funds are paid directly for these services.
- Attribution
 - All data sets retain full attribution to data providers and publishers
- Lost in Data Basin
 - Data Basin is not interested in “taking over”, we are interested in providing support for integration and analysis.
 - Users of the DIAC will enter in a IABIN labeled site and do not need to navigate through other components Data Basin

Refine model to enhance existing activities and provide added value to these functions.

- Identify new tools that will take our efforts further and make them more relevant to different stakeholders.

Improve name and acronym ??

INFORMATION

INTEGRATION AND ANALYSIS

DECISION-MAKING

**IABIN Portal:
Thematic Networks**

- ETN
- SSTN
- PTN
- I3N
- PATN

**Data Basin
Information Holdings**

**Other Information
Portals**

- IDB
- GeoSur
- TNC
- CIAT
- ESRI
- Others

IABIN DIAC

- Upload and download data
- Securely management of data
- Map browser for data search, identify and visualize
- Data integration to create and save new maps
- Drawing & buffering functions
- Run simple queries
- Generate visual and written reports
- Link to analytical methods and tools

- Scientists and the Conservation Community
- Multi-Lateral Development Banks
- Federal Planning and Permitting Agencies
- Corporations and Consultants
- Civil Society

<u>Existing and Developing TN Tools</u>	<u>New IABIN DIAC Tools</u>
<ul style="list-style-type: none">• Species Range Modeling• ARA• Geomancer• Pollinator Digitizer• EAR• PATN Tools	<ul style="list-style-type: none">• National Biodiversity Indicators• National Biodiversity Strategy and Action Plan

Data Upload
WMS / WFS

Data Upload
WMS / WFS

National Biodiversity Indicator Tool

Proposed PROMEBIO / IRBIO Indicators

1. Species Level Indicator:

- Endangered species.
- Presence of Indicator species.
- Presence of Invasive species.

2. Ecosystem Level Indicator:

- Area size covered by type of ecosystems.

3. Ecoregion Level Indicator:

- Area size of protected areas.
- Area size and land cover of forested areas.

4. Fragmentation Level Indicator:

- Sizes of patches from a type of ecosystem.
- Shape of patches from a type of ecosystem.
- Distance between patches from a type of ecosystem.

Indicators Evaluation Coefficient

(CEI) = FEP (10) + IRB (25) + DII (15) + FI (20) + Rtd (15) + AV (15) = 100 points

National Biodiversity Strategy and Action Plan Tool

Provide ability for countries to complete the section regarding Biodiversity Trends and Status

- Identify priority actions at national or regional level, including strategic actions to achieve the three objectives of the Convention;

Components of biodiversity strategies and action plans

- Take into account the ecosystem approach;
- Highlight the contribution of biodiversity, including, as appropriate, ecosystem services,.....
- Identify the main threats to biodiversity, including direct and indirect drivers of biodiversity change.....
- As appropriate, establish national, or where applicable, subnational, targets, to support the implementation of national biodiversity strategies and action plans,

Pilot ??

- It would be good to demonstrate what can be done – in my experience this is best accomplished with a pilot demonstration project.
- Should we select a country, or a few representative countries to demonstrate this functions and processes?