



August 11, 2009

TO: The World Bank, the IABIN Executive Committee and IABIN Council

IABIN Executive Committee:

Gladys Cotter – (Chairperson) United States of America
Karin Molt – (Vice-Chair) Chile
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Juan Bello - Global Biodiversity Information Facility
Maarten Kappelle – The Nature Conservancy

FROM: GS/OAS

RE: **Ninth Semester Report** – Period: January 1 – June 30, 2009
Building the Inter-American Biodiversity Information Network (IABIN)

1. SUMMARY AND IABIN PROJECT MILESTONES BY COMPONENT

In the first six months of 2009, the GEF “Building IABIN” project achieved accelerated progress compared to previous semesters. Disbursements remained high given that (i) TNs and the Catalogue contract(s) have advanced to the point where the data is available to be used by other TNs and other Networks (ii) RfPs for data content grants were active in all 5 TNs, although the Catalogue issued an RfP and received no submitted proposals, (iii) data content grants funded or in preparation have reached 109, (iv) the first four grants for the development of value added tools under Component #3 began development, and (v) partnerships and fundraising efforts started to nurture potential partnerships based on proposals written by the Vision/MTR (Mid-Term Review) and fundraising consultant.

The major challenges expected in the coming Semester will be to (i) take the steps to promote the sustainability of IABIN by preparation of several fundraising proposals by the Vision/MTR/fundraising consultant and the IABIN Coordinator who is set to be hired by mid-August, 2009 (ii) set the vision for IABIN after the GEF Project and formulate a project profile for the GEF 2 project (iii) prioritize actions for fundraising including outreach/campaigns, communications by implementing fundraising and vision plan, (iv) continue facilitating the work of the CIs and interoperability of data across the Thematic Networks and IABIN Catalogue, (v) facilitate the 109 data content creation grants, (vi) integrate Component #3 “Information Tools for Decision Making” into TNs and Catalogue, and (vii) solidify partnerships.

The length of time needed to receive “no objections” from the World Bank has hampered project implementation, as has slow disbursements as requested in the “Application for Withdrawals”. Given that the GS/OAS cannot issue contracts without receiving the disbursement, and given that so many contracts, CI Transfer Agreements, and Agreements are active simultaneously, many activities needed to be put on hold. CI Transfer Agreement Amendments also took lengthy time periods to receive “no objections” because World Bank lawyers were unavailable.

The IABIN Project is helping IABIN to position itself by building an important hemispheric information network and forging partnerships between Government agencies, NGOs, academic institutions, and museums that house biological and geospatial information. The Secretariat throughout the first semester was staffed by the data content manager, thematic networks coordinator, an administrative assistant and a half time webpage assistant. All Coordinating Institutions for the five Thematic Networks finished the development of the infrastructure and developing tools for digitizing of data and communication portals that were solidified in the IT TWG meeting held in March 2009 in Panama. The implementation of Component 3 is advancing, with four proposals to develop decision-making tools active. The Vision Statement, Fundraising priorities, and mid-term review were all translated into Spanish and sent to the IABIN Council for review. The 6th IABIN Council meeting was held in July 2009 in the Dominican Republic with 50 participants.

IABIN Project Milestones for January-June 2009

In the first half of 2009, IABIN made progress on a number of fronts:

- The Coordinating Institutions implemented an improved reporting framework.
- 109 (average 10k) data content creation grants were awarded or are in process between 2006-2009
- The IABIN Council and Executive Committee (IEC) members were kept informed of project execution and network activities through Semester and Workshop Reports, and by keeping IABIN.net and <http://www.oas.org/dsd/Bio-Proj-Sum.htm> up-to-date.
- IABIN webpage. www.iabin.net is operational in Spanish and English and the main server was moved to the University of Tennessee under the management of USGS/NBII. In March 2009 the webpage was re-designed with a grant from USGS.
- The 6th IABIN Council Meeting took place in the Dominican Republic from July 14-17 hosted by the Ministry of the Environment (see <http://www.oas.org/dsd/IABIN/Component4.htm>).
- The MTR/Vision/fundraising consultant circulated draft reports (see <http://www.oas.org/dsd/IABIN/Component4.htm>).
- Four projects under Component 3: Information Products for Decision Making advanced. (see <http://www.oas.org/dsd/IABIN/Component3.htm>).
- All TNs have developed a training module, with many training materials in both English and Spanish. PATN and PTN will develop the training materials in Portuguese too.

2. COMPONENTS 1 AND 2 – INTEROPERABILITY AND ACCESS TO DATA AND DATA CONTENT CREATION (NOTE: THESE 2 COMPONENTS HAVE BEEN MERGED IN THIS SEMESTER REPORT DUE TO THE INTEROPERABLE NATURE OF THESE 2 COMPONENTS AT THIS TIME IN THE PROJECT)

2.1. IABIN Catalog Service

The IABIN Catalog, initially released in July 2008, is now active on IABIN.net, as well as iabin-catalog.nbii.gov. The IABIN Catalog is currently searching approximately 210,000 biological databases, web-sites, publications, and images relevant to the Americas. Additional content is being added monthly as relevant sources are identified.

The NBII Biocomplexity Thesaurus (in English) was fully integrated into the Catalog upon launch and allows users to discover a range of resources through keywords related to their search queries. Two consultants were hired to translate and perform concept mappings of the NBII Biocomplexity Thesaurus in English into Spanish and Portuguese in October 2008/2009. All Spanish and Portuguese translations were completed early in the semester and have now been evaluated for integration into the Catalog.

In May/June 2009 the CI and Catalog Developer, SAIC, completed version 1 of an advanced search interface for the Catalog. This interface allows users to search for resources using a bounding box on a map, species name, country/region, content type, language, and IABIN Thematic Network.

Other Catalog developments include:

- Crawling of IABIN relevant test content was performed in the Catalog Test Environment (at SAIC) and the eventual production environment at NBII Denver.
- Several revisions were necessary to include as much metadata as possible related to Geographic Location, Resource Type, and IABIN TN properties. This required considerable processing and reprocessing of IABIN content to insure accurate and high quality results would occur.
- Unique view allowing IABIN users to on-demand sort and view results by Geography, IABIN TN, and Resource Type were created within the Catalog system.
- Revisions were performed to remove non-IABIN country folders from the Geographic view
- An additional view, Continent, to top-level folders in Geographical view was added.
- Multiple Image classifications and views were combined into one view to make it easier on users.
- Added Organizations and Publications folders to Content Type view.
- Added visual effect to "All Results" folder to make it stand-out from other folders to aid user's differentiation between folders and subfolders.
- Translation of Geographical, Resource Type, and IABIN TN folder names into Spanish and Portuguese was completed.
- Testing of various system components occurred to ensure Internet Browser compatibility (IE and Firefox primarily) and multi-lingual system components.
- Completed online Help/FAQs and incorporated the draft version into the external script and BioBot search input tag. The Help/FAQ files were then translated into Spanish (IABIN Secretariat supported) and Portuguese (I3N supported).
- Work began to migrate all developed code to the production environment at NBII Denver. Developed the capability, based on meeting with the CI and Secretariat, to allow users the ability to "re-query" from the existing search results page to improve user experience.
- Additional development and enhancements were performed on the "external url scripts" that would allow IABIN partners to integrate the IABIN Catalog search into their existing web-sites.
- Work was performed, by the CIs, on the development of a "simple" terminology service for IABIN. Major phrases and/or terms were collected from IABIN sites and TNs to form the basis of this multi-lingual repository. This will greatly aid search and discovery and also help TNs with metadata creation.
- Updated milestones for current completions and for future Year 2 work were developed by SAIC and the CIs. The Catalog consultant met with the CIs and the IABIN TN Coordinator to discuss the final deliverables for Year 1 and start initial planning for Year 2.
- Additional work was performed by SAIC, and released in March 2009, as it relates to discovering and viewing additional IABIN TN resources. The ability for users to retrieve results from the IABIN Catalog and during the results viewing phase, obtain additional results from IABIN TN sites was implemented and prototyped with several IABIN TNs. The intended purpose, requested by various IABIN TNs, is to improve the relationship between the IABIN Catalog and existing IABIN TN sites.

- IABIN's IT Technical Working Group held a meeting in late March 2009 in Panama, where it continued integration of the Catalog with each Thematic Network and their Component 2 data content grants. At the meeting, the Catalog CI and TN technical leads completed a detailed plan for IABIN IT actions and linkages in advance of the VI Council Meeting, and for subsequent months. Participants also had a range of discussions related to indexing of IABIN TN content, sharing IABIN specimen content throughout the network, and future needs for an integrated IABIN network web site. The Catalog CI established a listserv to facilitate coordination among the technical leads for each TN, and, along with the IABIN Thematic Networks Coordinator, initiated a series of teleconferences in advance of the IABIN Council Meeting to ensure technical integration of the IABIN Network at the VI IABIN Council Meeting.
- The Catalog CI also developed a plan to implement Metadata Content grants, for which the first RfP was issued in May 2009. This RfP did not result in any successful applications, and as a result the CI (USGS-NBII) has modified the ToRs, and plans to more widely advertise the document in the second semester of 2009.

Upcoming Efforts:

Below is a list of upcoming efforts related to the Catalog Development, implementation, and further promotion.

- Translation of the Biocomplexity Thesaurus into Spanish and Portuguese was completed by July 2009, and integration into the search interface, allowing Full Catalog integration with IABIN's TNs will occur following the completion of the Catalog Web-Service TOR deliverables. These TORs are in final stages of announcement and it is anticipated they will be awarded by Fall 2009. These Thesaurus Web services to allow remote access of the IABIN Trilingual Thesaurus will begin development in the second semester of 2009, for completion in early 2010. This will allow IABIN TNs and partners to utilize the thesaurus for other search and organization functions and make it available to the broader conservation and development community. For example, terminology (i.e. invasive species) are referred to through a number of different and similar terms throughout the Americas. Sometimes invasive species is referred to as “non-native”, “alien”, or “introduced” species. By incorporating a thesauri-based Web Service, the IABIN Catalog will be able to provide more accurate search results to its users. The planned Web Service will include three thesauri, one each in English, Spanish, and Portuguese. By incorporating these thesauri, users will be able to retrieve related results regardless of the language of the search term entered.
- Catalog Metadata content grants and integration services will be awarded in the Fall 2009 timeframe. These grants will increase Catalog data holdings, allow for additional content from IABIN TNs and Focal Points, and provide more comprehensive resources for the Americas.
- An award for an IABIN Catalog QA/QC and Integration consultant will be made in Fall 2009. This will greatly improve the quality of existing Catalog resources and facilitate integration, through the creation of metadata, of IABIN TN products, data, and services.
- Additional modifications to the Catalog Advanced Search Interface will be performed this Semester. Basic modifications to increase scalability, performance, and overall reliability will occur. Additionally, incorporation of species names will be fully implemented within the Advanced search, via newly related taxonomic web-services.

Indicator	Responsible	Cumulative since Dec 2006	Measurement in 1st Quarter 2009	Measurement in 3rd Quarter 2009
1. Increase of Visits to the portals of :				
Catalog	Mike Frame	0	1277	
4. Data and metadata content increase in the IABIN Catalog and TNs increases:				
Catalog	Mike Frame	38,000	200,000	

2.2. Thematic Networks (TNs)

2.2.1 Species and Specimens TN (SSTN)

The SSTN finished the execution of all activities corresponding to Component 1 (interoperability and data access) in 2008 and also executed the remaining budget according to schedule. Therefore, in 2009, INBio assumed the cost of maintaining and further enhancing the two developed tools, namely, Ara 2.0, which is the species and specimen information digitization and management tool, and the SSTN portal (version 2.0). New functionality for both tools was developed during the first semester of 2009 and will further be developed in future years. INBio hopes that these two tools can be promoted as a toolkit for institutions and for national and regional level networks. INBio itself is planning to migrate its databases from its current Atta system to this toolkit. In addition, INBio continued supporting the operation of the SSTN portal, by answering questions from users, data providers and making sure it was up and running. Finally, in March 31st – April 1st, the SSTN attended the technical meeting convened by IABIN in Panamá.

Concerning component 2 (creation of data content), the SSTN supported IABIN's Secretariat with the analysis of seed money grant proposals for digitization of specimen and species level information. In addition, progress reports from 35 institutions that are already executing a project through a seed money grant were assessed. Finally, even though training of trainer activities concluded in 2008, this year, INBio continued supporting trainees who were implementing the national-level training activities in their countries and developed e-learning materials for both, Ara 2.0 and the portal software.

In 2008 INBio presented two proposals for component 3 projects, both of which were approved and work began in June, 2009.

Component 4 deals with the sustainability of IABIN. The view held by the SSTN coordinating institution has been presented since 2008, not only in previous reports, but also in the Panama Council meeting and in the IEC meeting in Washington DC last October 2008. During the first semester of 2009, INBio's contribution has been very important for the short term sustainability of the SSTN: it assumed the costs of operation of the SSTN portal and the cost of further developing the two tools (Ara 2.0 and the portal). In addition, INBio has presented a proposal to EOL in order to implement a regional EOL in Central America, which could result in having a continuous process of generation of species-level information which could be accessed through the SSTN portal in future years. Finally, INBio has promoted the tools developed by the SSTN in different fora. For example, it presented a poster about them as a toolkit in the E-biosphere Conference in London in June 2009. The goal is to have more institutions digitizing information with Ara and serving it through the portal and the data provider software developed by the SSTN. This is a contribution to the mid-term sustainability of the SSTN because it would maintain a flow of fresh species and specimen-level data available in IABIN-compatible formats such as Darwin Core and Plinian Core.

INBio is also leading the execution of a JRS-funded project entitled "Enhancing Knowledge for Establishing Ecosystem Conservation Priorities in the Neotropics by Integrating Biodiversity and Geospatial Data". In June of 2009 JRS gave the final go ahead to the current version of the project and planning activities are underway

1. Introduction

Unlike previous reports, this report now includes other activities that INBio is conducting. Section 3 summarizes component 1 activities and results. Sections 4, 5, and 6 describe the main activities concerning component 2, 3, and 4, respectively. Finally, section 7 reports on progress concerning the

JRS funded project entitled “Enhancing Knowledge for Establishing Ecosystem Conservation Priorities in the Neotropics by Integrating Biodiversity and Geospatial Data”.

2. Component 1 (interoperability and data access)

INBio assumed the cost of maintaining and further enhancing the two developed tools, namely, Ara 2.0, which is the species and specimen information digitization and management tool, and the SSTN portal (version 2.0). Ara’s current version is v2.5. It includes new functionality that was developed during the first semester of 2009 and will further be developed in future years. The portal has undergone minor revisions. INBio hopes that these two tools can be promoted as a toolkit for institutions and for national and regional level networks. INBio itself is planning to migrate its databases from its current Atta system to this toolkit.

The following is the key new functionality that has been added to Ara 2.5:

1. New installation procedure, which is easier to follow. Its corresponding manual can be found at <http://larus.inbio.ac.cr.cr.8090-sstn-docu.php>
2. An easier configuration process by using snapshots with Darwin Core structure.
3. A new module for specimen level reports.

Concerning the portal, two new functions were added, namely:

1. A helpdesk to support trainers and users
2. A collaborative work area for Ara at <http://pulsatrix.iinbio.ac.cr/projects/ara>.

In June, Ara 2.5 was implemented at the Museo Entomológico de León, Nicaragua, and two people were trained on how to use it. Additionally, digital data from the Museum was imported into Ara. Finally, this semester Ara was also implemented at the Museum of Malacology from Panamá.

In addition, INBio continued supporting the operation of the SSTN portal, by answering questions from users, data providers and making sure it was up and running. Finally, in March 31st – April 1st, the SSTN attended the technical meeting convened by IABIN in Panamá.

Data providers

The following table summarizes the current data providers. This has not changed over the first semester of 2009. Nevertheless, most of the current 35 seed money grantees should become data providers in the next 8 months.

Table #1. Data providers

Institution	Country	Type of information	# of records	Status
Instituto Nacional de Biodiversidad (INBio)	Costa Rica	Especies	3,784 3,784	Available in the IABIN Portal Available in the DB of the data provider
Instituto Nacional de Biodiversidad (INBio)	Costa Rica	Especímenes	2,566,914 3,239,356	Available in the IABIN Portal Available in the DB of the data provider
Museo Entomológico de León	Nicaragua	Especímenes	4,625 29,098	Available in the IABIN Portal Available in the DB of the data provider
Herbario de la Universidad de León	Nicaragua	Especímenes	101,210 102,913	Available in the IABIN Portal Available in the DB of the data provider

INVEMAR	Colombia	Especímenes	3,846 4,325	Available in the IABIN Portal Available in the DB of the data provider Available in the IABIN Portal Available in the DB of the data provider
Instituto de Investigaciones de la Amazonia Peruana	Perú	Especímenes	477 477	Available in the IABIN Portal Available in the DB of the data provider
Fundación Miguel Lillo	Argentina	Especímenes	42,803 42,803	Available in the IABIN Portal Available in the DB of the data provider
Siamazonia	Perú	Especímenes	8,493 11,009	Available in the IABIN Portal Available in the DB of the data provider
Herbarium Amazonense	Perú	Especímenes	25,591 25,591	Available in the IABIN Portal Available in the DB of the data provider
Círculo Herpetológico de Panamá	Panamá	Especímenes	5,732 5,732	Available in the IABIN Portal Available in the DB of the data provider
Instituto de Ciencias Naturales de Colombia	Colombia	Especímenes		Available in the IABIN Portal Available in the DB of the data provider
Instituto de Investigación de Recursos Biológicos A. Von Humboldt	Colombia	Especies		Available in the IABIN Portal Available in the DB of the data provider

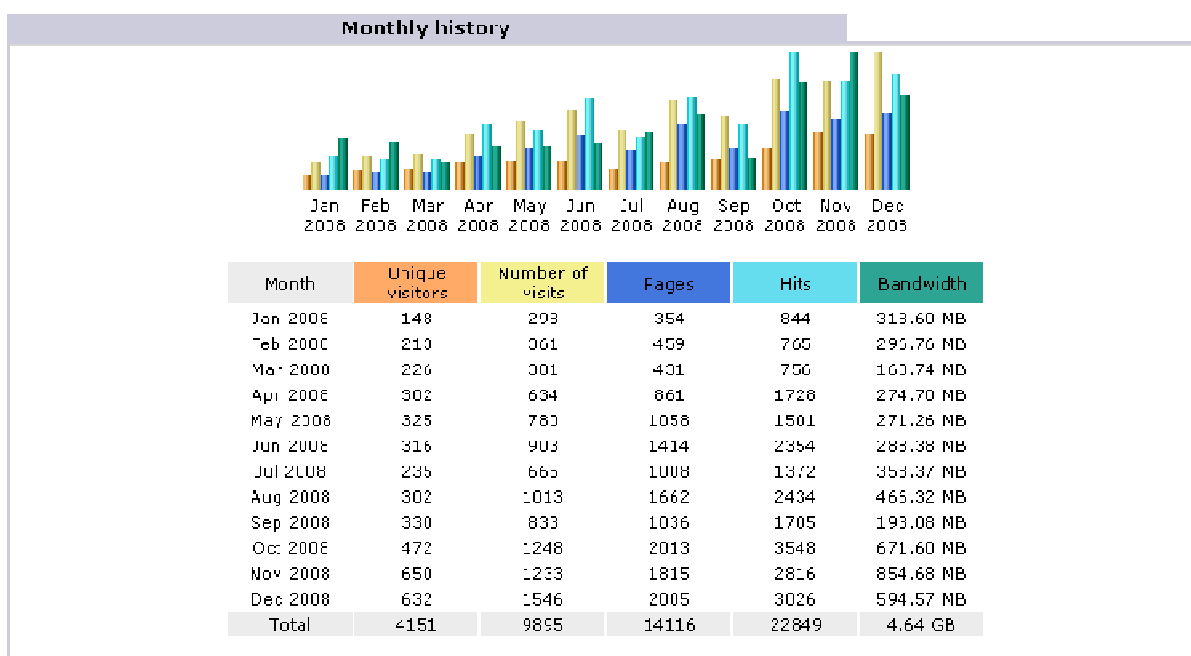
Data access statistics

Tables #2 and #3 show the statistics for the first semester of 2009 and for the whole 2008 year. It is clear that already, during this first semester of 2009, access is comparable to the total access over the whole year 2008.

Table #2. First Semester 2009 Statistics

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2009	591	1571	2796	5237	743.30 MB
Feb 2009	770	1491	2409	4332	692.02 MB
Mar 2009	737	1562	2579	4335	681.20 MB
Apr 2009	624	1721	2749	4186	678.78 MB
May 2009	662	1985	3181	4888	515.29 MB
Jun 2009	699	2661	3750	5130	780.48 MB
Jul 2009	327	1049	1284	1785	177.46 MB
Aug 2009	0	0	0	0	0
Sep 2009	0	0	0	0	0
Oct 2009	0	0	0	0	0
Nov 2009	0	0	0	0	0
Dec 2009	0	0	0	0	0
Total	4410	12040	18748	29893	4.17 GB

Table #3. Year 2008 Statistics



The SSTN supported IABIN's Secretariat with the analysis of seed money grant proposals for digitization of specimen and species level information. In addition, progress reports from 35 institutions that are already executing a project through a data content grant were assessed. Finally, even though training of trainer activities concluded in 2008, this year, INBio continued supporting trainees who were implementing the national-level training activities in their countries and developed e-learning materials for both, Ara 2.0 and the portal software.

Additionally, as indicated before, two people were trained on the use of Ara at the Museo Entomológico de León, Nicaragua. Finally, e-learning materials for both, Ara 2.0 and the portal software were developed and are available at:

<http://www.inbio.ac.cr/download/temporal//iabin/perfiles.mp4.zip>
<http://www.inbio.ac.cr/download/temporal//iabin/personas.mp4.zip>
<http://www.inbio.ac.cr/download/temporal//iabin/instituciones.mp4.zip>
<http://www.inbio.ac.cr/download/temporal//iabin/taxonomia.mp4.zip>
<http://www.inbio.ac.cr/download/temporal//iabin/generacion.especimenes.mov.zip>
<http://fornax.inbio.ac.cr/ara/version2/documents>

2.2.2 Invasive Species TN (I3N)

Objectives

Activities in the first half of 2009 focused on capacity building and the drafting and completion of content grant agreements. The network is also looking toward the future and exploring means of sustainability.

Milestones and achievements in the first semester of 2009 (categorized by main subtitles in work plan)

Tools and Standards

- In June, the I3N Web site released a beta version launch of a new Mercury search engine designed as a central search location for all I3N country databases and the content of the Web site. The advanced search feature of the search engine also allows users to search by geography. Occurrence results can be displayed on a map, even if the country database does not contain a map.
- The I3N Country Web System template was installed in Venezuela in the first semester of 2009. The *I3N Country Web System* includes a Web template, an intranet system designed for loading data into the *I3N Database* template, and an administrative system through which authorizations for data providers are assigned and the information is analyzed before its publication on the Internet.
- Risk assessment and pathways analysis tools were included in the I3N invasive species training module and distributed to training participants. Additionally, the tools were available for download on the I3N Web site. They are designed to use I3N data and controlled vocabulary, and can use data from PATN & SSTN. Their objective is to support prevention, early detection and control, to enable governments to determine management priorities based on I3N data. Results can be used in national IAS strategies, reports and policy development. A users' manual and a PPT show about the invasive species issue and the tools are also posted on the Web and are downloadable.
- The I3N Web site, which is rich in content and complies with new IABIN guidelines for Thematic Networks, continues to grow and be updated regularly. It provides access to newly-developing I3N country Websites and offers downloads of newly-developed value-added tools to aid in decision support.



- The Terms of Reference published for the Redesign and Conversion to Open Source of the I3N Database returned only two proposals, only one of which was eligible for selection. A single source exemption request was filed so that a contract could be drafted and, as a result, changes to the proposal were requested. These changes have been made and a contract is currently being drafted.
- The I3N Coordinator participated in the IABIN IT Technical Working Group meeting in Panama City, Panama in April of 2009.

Collaboration and Communications

- In June 2009, I3N Coordinator and I3N Argentina Lead and trainer

attended e-Biosphere 2009 Conference in London, England. The Conference was an opportunity to interact with informatics specialists from across Latin America and around the globe and demonstrate the new Risk Assessment and Pathways Prevention tools.

- Along with other articles, I3N-US Lead and I3N Coordinator wrote portions of an article for Biodiversity Journal to be published in the Fall of 2009.
- The I3N Coordinator participated in a meeting for geospatial information holders in Panama City, Panama in April 2009. Representatives from informatics networks throughout Latin America were represented and possibilities for data interoperability and integration were explored.
- I3N leads and the IABIN Focal Point from Uruguay continued to participate in coordinating meetings of the National Council of Invasive and Exotic Species and to participate in the drafting of a National Strategy for the Prevention and Control of Invasive Species. The I3N Leads began the next phase of development of the national database for Uruguay and are expanding the species and occurrences found in the database.
- The I3N-U.S. lead represented the I3N and the Global Invasive Species Information Network (GISIN) at the IUCN World Congress in Barcelona, and spoke about I3N tools at Learning Opportunity #375: "Safeguarding biodiversity and livelihoods from biological invasion" as well as in two Information Cafes on invasive species information management. For the Learning Opportunity summary report, see: http://cmsdata.iucn.org/downloads/learning_opp_final_report_en.pdf
- The National Lead of I3N Brazil and Michele de Sá Dechoum, through the Instituto Horus, are drafting a publication for the Ministry of Environment on terrestrial alien invasive species. The I3N Brazil database is also being used in the publication of Ministry publications by other authors on marine and freshwater species. These publications are expected later this year.
- The National Lead of I3N Brazil continues to work with participants in the workshops in Honduras and Suriname from earlier this year to develop and format a database for each country.
- The I3N Lead for Brazil has developed a risk analysis tool for fish and terrestrial vertebrates. The tool is available through the Web site of Instituto Horus and I3N is interested in making the tool further available through translation.
- The National Lead of I3N Brazil has been participating in a Technical Advisory Group of the National Commission on Biodiversity (CONABIO) for the creation of a national strategy on alien species.
- The Jamaica I3N Database was featured in a 4-day exhibition for International Biodiversity Day (May 22) put on by a national inter-agency planning committee chaired by the Office of the Prime Minister. The Biodiversity Day Exhibition was hosted by the Natural History Museum of the Institute of Jamaica, the host organization of the I3N Jamaica National Lead.
- The I3N National Lead for the Dominican Republic participated in an exhibition for International Biodiversity Day that took place from May 18-22. The focus of this year's event was invasive alien species. The event included lectures, informative posters, displays, and a photo exhibition.
- The I3N Lead for the Dominican Republic held its first workshop on the updating and digitalization of the country I3N database on June 25. There were 27 participants from NGOs, government agencies, and academic institutions.
- The National Lead of I3N Dominican Republic has recruited new partners in the development of the country database. These include the Institute of Innovation in Biotechnology and Industry (IIBI) and the Dominican Council on Fishing (CODOPESCA). Both institutions sent representatives to the June

workshop. Additionally the central customs agency has shown interest in participating in the database project, but was unable to attend the June workshop.

- The Institute of Ecology (IE), which is part of the Biology Department at the Universidad Mayor de San Andrés (UMSA), and is also the coordinating institution for the I3N Bolivia database, held a workshop in April in Santa Cruz. This second workshop to take place as part of the construction of the database was called, “Organization of Information Providers for the completion of the I3N database of Invasive Species”. In July the institute plans to hold its third and final workshop in Cochabamba. The workshops are meant to train information providers in the completion of information for the country database.
- The I3N community was kept informed via the Web site and the I3N listserv with regular postings and announcements.
- Countries’ additional products and initiatives include: All countries that participate in I3N make their datasets available to the public via the Website. In addition, some countries choose to provide reports, publications, presentations, photographs and other materials of interest to invasive species specialists. Please click on http://i3n.iabin.net/participants/country_contributions.html to access any of these country resources.
- GISP-TNC Model for a National Invasive Species Strategy: The I3N National Lead from Brazil continues to offer assistance and training in the creation of national strategies on invasive alien species. The benefits of the strategy to I3N include: It shows the usefulness of I3N; provides cofinancing for the GEF grant; improves I3N workshop content and interest; provides additional publicity opportunities for I3N.

Nine countries¹ now have their own standardized I3N Web sites based on the I3N Country Web system, and more are under development (click on country name to see country home page): [Argentina](#) | [Brazil](#) | [Colombia](#) | [Costa Rica](#) | [Jamaica](#) | [Paraguay](#) | [Uruguay](#) | [Guatemala](#)

Project Management

- Each country that actively participates in I3N has one or more organizations, represented by individuals, leading its efforts. These individuals, called I3N Leads or Co-Leads, coordinate I3N activities among the I3N Coordinating Institution, their country’s IABIN Focal Point (see description below), and data providers. Current active members (18) are (click on country name to see I3N lead information: Argentina, Bahamas, [Bolivia](#), Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Jamaica, Mexico, Panama, Paraguay, Peru, USA, Uruguay. In the first semester of 2009 I3N sought participation of a National Lead for Venezuela and for Suriname. The process to invite new leads began and should be completed in the second semester of 2009.
- I3N work with other TNs, IABIN IT TWG, and Catalog Coordinator:
 - SSTN: Instituto Alexander von Humboldt led cooperative species trainings with the SSTN.
 - PTN: CI representatives are also members of I3N CI.
 - PATN: I3N risk analysis tool includes PATN data.
 - Catalog: I3N IT Lead is also actively co-leading the IABIN Catalog.
 - IABIN IT TWG: I3N IT Lead is also actively co-leading the IABIN IT TWG.

Capacity Building

- Database trainings took place in Tegucigalpa, Honduras in April 2009 and in Paramaribo, Suriname in June 2009.

¹ Ecuador has a country database, but it is currently in transition and not available on-line. Once it has been moved to a new server, it will again be available on-line.

Content Grants

- A sixth and final RFP was distributed in late January of 2009 and extended for one month to allow for greater participation. I3N received two responses and awarded two grants, one to the Ministry of Environment in El Salvador, which will result in a new country database. The second grant was awarded to the National Park System in Argentina, which plans to add to the existing Argentina country database and undertake risk analysis of species using the I3N tool for risk analysis.
- Additional on-going content grants include Bolivia, Chile, Dominican Republic, Uruguay, and Venezuela.

IABIN Indicator Measuring Matrix

Indicator	Responsible	Cumulative since Dec 2006	Measurement on 1 st Quarter 2009	Measurement on 2 nd Quarter 2009
1. Increase of Visits to the portals of :				
I3N	C. Fournier	45,039* <i>[Note: Total visits to I3N during the 1st semester of 2008 were revised up by Google Analytics. The total visits during the first quarter were 2,978 or approximately 496 visits/month]</i>	1,445 (average 482 visits/month)	1,336 (average 445 visits/month) <i>[NOTE: starting 1st quarter 2008, we began using Google analytics, which are very accurate in recording visits, instead of hits to our website. These numbers are not comparable with previous software.]</i>
4. Data and metadata content increase in the IABIN Catalog and TNs increases:				
I3N	C. Fournier	16,532 est. total.	1,200 (est.)	1,200 (est.)
5. Number of people trained per year on data creation tools, data quality and use of tools developed by IABIN TNs				
I3N	C. Fournier	311 <i>(The number of people trained by the Instituto Alexander von Humboldt in Nicaragua and Peru is unknown)</i>	26 in Honduras	77 in Suriname

Below a table indicates countries that have had at least one I3N invasive species training and whether a database exists, or is in progress. These workshops were funded primarily by funds from the GEF grant, but others were completed through the Nature Conservancy or the Instituto Von Humboldt of Colombia.

*Note: Mexico has had an I3N training, and has a National Lead, but utilizes its own database for information management. Also, the databases of Bolivia, Chile, El Salvador, Peru, and Venezuela are still in progress.

	Workshop	Database
Argentina	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bahamas	<input checked="" type="checkbox"/>	
Bolivia	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Brazil	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chile*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Colombia	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Costa Rica	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dominican Republic*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ecuador	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
El Salvador*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Guatemala	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Honduras	<input checked="" type="checkbox"/>	
Jamaica	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mexico	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *
Panama	<input checked="" type="checkbox"/>	
Peru*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Suriname	<input checked="" type="checkbox"/>	
Uruguay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Venezuela*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Financial Status (including co-financing funds)

- USGS/NBII and its partners continued to provide strong cofinancing to the GEF funds of I3N. USGS/NBII alone provided approximately \$341,000 in the first semester of 2009, for a total of approximately \$1.94 million over the life of the project.
- I3N has disbursed Component 2 funds for data content building. All \$160,000 in these funds have been allotted or given to partners in fourteen data content grants.
- I3N is actively seeking new sources of funds for operation and continuing capacity building and data collection. As an additional source of funds and a way to move the network into the next phase of implementation, in which data is used for decision-making, the I3N prepared a grant for the Organization of American States (OAS) Technical Cooperation Fund (FEMCIDI). The proposal is titled “User-Centered Information Network for Early Detection and Control of Invasive Species in Ports” and it aims to determine and help the dissemination of best practices in the control and rapid response to invasive species in ports. The proposal first focuses on the Caribbean region, but is designed so that it can be scaled to a larger hemispheric, or even global, scale.

For additional metrics please see separate file I3N website metrics. (Dashboard).

2.2.3 Ecosystems TN (ETN)

1. Development of a Standard Format Database for Terrestrial, Marine and Fresh water Ecosystems.

Terrestrial Ecosystems

- New revisions were made to the Terrestrial Standard Format according to the recommendations made by institutions who received grants from Component 2 and filling out the format. Specifically the following changes were made:
 - i. Change criteria Geomorphology to multi-selection, such that more than one kind of geomorphology can be chosen.
 - ii. Change criteria Leaf type to a multi-selection in order to allow the user to choose more than one type of leaf.
- The last version of the Terrestrial Standard Format can be seen in the ETN Portal. New revisions have been indicated by the grantees and are planned for the second semester, 2009.
- The prototype cross-walk system has been developed by Jason Tullis. His final report on the cross-walk is in Annex I. The prototype cross-walk system has been incorporated into the ETN Portal and is available for testing.

Marine Ecosystems

- The Marine Standard Format can be seen at the ETN Portal.
- Changes were made to Marine Standard Format in order to increase the number of fields designated as obligatory. These changes were motivated by the fact that when reviewing the data input into the database and the final reports of grantees, there was data that, although in existence, it was not included in the standard format because the field was not obligatory.

Fresh water Ecosystems

- Following the Freshwater Ecosystems meeting in Costa Rica in December, the Fresh water ecosystem Standard Format has been developed and it is currently undergoing final revisions. It will be available through the ETN Portal at the beginning of the next semester. Reference classifications for freshwater ecosystems of Central and South America are going to be available in the ETN Freshwater standard format database.

2. Development of the ETN Portal and ETN Architecture.

- A new version of the ETN portal has been designed and it is on line. The Portal, which will be available initially in Spanish, has been developed in accord with the ETN Architecture presented in Annex II.
- The Instituto Alexander von Humboldt in Colombia is providing to the ETN the use of their interactive software for data providers to develop and enter metadata (Cassia). The Instituto von Humboldt has created an ETN folder in Cassia which is accessible to ETN data providers after registration in the system. The folder presents to the data provider the choice of two profiles: the extended Dublin Core (for documents, tabular data and references) and the FGDC ETN for maps. The FGDC ETN profile consists of the required FGDC fields plus a few other fields that are recorded if the user has generated the metadata utilizing ESRI software.
- A new announcement (February 25, 2009) was sent to all the institutions receiving data digitization grants from the ETN, which explains how to proceed to enter their metadata into the Cassia system:

- A new contract was extended to Miguel Blanco in Nicaragua to continue the development of the ETN infrastructure. This contract expires in January 2010.
- The Standard Format database and the Portal have been moved from STRI to the University of Tennessee, so that we can have direct access to the hosting server.
- A new map visualizer for the ETN is being prototyped. The visualizer system connects the standard format database and the maps that reside at servers in participating institutions. The visualization service is being provided by the TNC office in Costa Rica. The visualizer provides users access to spatial information in WMS format in a set of distributed servers which are provided in Annex III. The visualizer can be accessed through the ETN Portal.
- **The ETN Project coordinator participated in the IT Meeting that took place in Panama City on March 31-April 1, 2009. A followed up meeting took place via teleconferencing on June 8th.**

Services and Products to be provided by ETN

Products for Decision Makers	Temporal frequency	Spatial frequency	Tools status	Data needs	Notes	Next steps
Change map	10 years	30 m	Land Change Mapping Tool (EROS)	Satellite data from EROS; ecosystem maps	Archived Landsat data (since 1972) can be used	
Risk assessment model	5 years	30-90m	Environmental Risk Surface Tool (TNC), Landscape Condition Assessment tool (NatureServe)	Threats to ecosystems (in GIS)	Spatial resolution based on scale of input data	
Map of critical threshold areas	5 years	30-90m	NatureServe developed a methodology for generating Ecological Integrity Indicators and a scoring method to assess ecosystems	Key ecological factors by ecosystem	Does not exist. Limited tool development by WRI (World Resources Institute) and by the NatCap campaign at Stanford (InVEST)	
Ecosystem valuation maps	5-10 years	30-90m	Does not exist	Economic values by ecosystem service		

Maps showing areas of potential climate change mitigation	10-25 years	90-250m	Does not exist	Sea-level rise models, carbon storage potential, predicted climate change models	Limited tool development by TNC, including the Climate Wizard) and the Caribbean Sea-Level Rise Tool	TNC is developing an Ecosystem Assessment and Reporting Tool that helps to address some of these questions	To bring species into the equation NatureServe is using a CH Vulnerability Index to assess spp resilience Predictive distribution models of invasives, using Maxent and predicted climate change models
Maps showing potential areas of ecosystem adaptation/mitigation	10-25 years	90-250m	Does not exist	Ecosystem-level response to climate change and potential mitigation areas	I3N could be used, but requires more spatial data and characterisites on risk of potential spread	TNC is developing an Ecosystem Assessment and Reporting Tool that helps to address some of these questions	TNC is developing an Ecosystem Assessment and Reporting Tool that helps to address some of these questions
Invasive species and disease risk maps to ecosystems/species	5-10 years	30-90m	Does not exist	Invasive species in spatial format and disease risk models	Protected area management effectiveness	TNC is developing an Ecosystem Assessment and Reporting Tool that helps to address some of these questions	
Protected area effectiveness maps	5-10 years	30-90m	Does not exist	Protected area management effectiveness	Protected area management effectiveness and associated cost	TNC is developing an Ecosystem Assessment and Reporting Tool that helps to address some of these questions	
Maps showing management cost per hectare	5-10 years	30-90m	Does not exist	Protected area management effectiveness and associated cost			

Maps showing human well-being costs and benefits	5-10 years	30-90m	Does not exist	Human well-being indicators, associated costs, and information on governance, resources, and site characteristics by protected area
Maps showing the location of high priority/hotspot areas	10 years	30 - 90m	Establish criteria, run analyses	Maps of ecosystems, NGO highest priority portfolios, maps of PA, landscape condition/highest viability

Indicator

Visits to the ETN Portal

	Jan-March	April-June	July - September	October - December	Total
2006				215	215
2007	313	1091	503	612	2519
2008	555	1232	1265	962	4014
2009	922	438			1360
Total	1790	2761	1768	1789	8108

Ecosystem (ETN) Data Content Grants

- A list of all the organizations receiving Grants and the amount is presented in Annex 2.
- Two requests for proposals were published during the first semester of 2009: the 4th Call to digitize freshwater ecosystem data and the 5th Call to digitize terrestrial, marine and freshwater ecosystem data.
- Number of proposals received and evaluated: 3 proposals were received pertaining to the 4th call and 4 proposals were received pertaining to the 5th call.
- Number of Grants approved: In total 5 new grants were approved.
- An existing contract to fill out the terrestrial standard format with Nicaragua for \$8,500 was cancelled because of problems with disbursement of funds.
- A data content grant to the SINAE in Costa Rica was cancelled by Costa Rica because of institutional problems.
- There are \$22,500 in Grant funds left which are expected to be spent in freshwater grants in an announcement to come out at the beginning of the second semester.

Metadata

- The data content grants with El Museo Argentino de Ciencias Naturales to develop a bibliography for ecosystem documents using the Dublin Core standard review the quality of metadata submitted by institutions receiving ETN grants was signed and work is in progress. The work is expected to be finished by October, 2009.

Training

No training occurred during the first semester of 2009. Training involving experts in the terrestrial, marine and freshwater areas will take place the week of October 5, 2009 in Panama City, Panama. This training will utilize the remaining \$37,000 available for ETN training.

Data Quality

A \$20,000 Grant given to NatureServe during 2008 to monitor data quality continued in operation.

Indicators

Registros ingresados en la ETN (Formato Estándar Terrestre)

Países	Registros
Clasificación Referencia (NatureServe)	679
Bolivia	547
Brasil	7
Argentina	195
Chile	127
Uruguay	5
Total	1560

Nota: Existen 7 registros de Brasil que inserto Gonzalo Navarro.

Registros ingresados en la ETN (Formato Estándar Marino)

Países	Registros
Argentina	42
Mexico	13
Chile	5
Uruguay	1
Colombia	1
Total	62

Registros ingresados en el catalogo de la ETN:

Institution	Países	Registros
UABC	México	6
CENPAT	Argentina	18
Fundación Óga	Argentina	2
Museo Argentino de Ciencias Naturales	Argentina	263
Piso Vegetación Chile	Chile	1
Promar Pacifico	Chile	7

Pronatura Veracruz	México	3
RUMBOL	Bolivia	3
CRIM-UNAM	México	0
Total		303

2.2.4 Pollinators TN (PTN)

Highlights of various projects the IABIN PTN team has worked on in the first semester of 2009

Activities and Results

The IABIN Pollinator Thematic Network web portal is central to the architecture of PTN. IABIN Pollinator Thematic Network 1) Data Entry Tool, 2) Data Portal, and 3) Contacts Database are accessible at <http://pollinators.iabin.net/>.

Training materials are currently being developed for the Contacts Database, the Administrators' Manual, and the Pollinator Digitizer Manual in English, Spanish, and potentially, Portuguese. The Training Manuals are scheduled for completion by the IABIN PTN Training in the City of Knowledge, Panama this August 2009.

IABIN PTN Training

The IABIN PTN team is currently planning the IABIN PTN Pollinator-Plant Data Digitization Training Workshop. The training will take place in the City of Knowledge, Panama from August 17-20, 2009. The facility will accommodate 20 people, including participants and trainers. Goals, a rough agenda, logistics, and training options have been discussed and will continue to develop. The invitation to participate was sent out to all Content Grant applicants (those that received the grant, those that were not funded, and those currently being evaluated) and to all the Focal Points. To date, 4 applications to attend the training have been received. The invitation and agenda are available to view upon request.

Council Meeting – Dominican Republic

Laurie Davies Adams of the coordinating institution, Pollinator Partnership, will represent the PTN at the Council Meeting in July. She is preparing a PowerPoint presentation that will give participants an overview of our progress.

Panama Meeting

Antonio Saraiva and Pedro Correa gave a live technical demonstration of our portal, a PowerPoint presentation on the sustainability of the IABIN PTN, and our involvement with other thematic networks at the meeting in Panama, March 30-April 3. They reported back on the meeting to the rest of the PTN members.

EXPECTED OUTPUTS AND OUTCOMES

		Jul	A	S	O	N	D
1.6.1. Evaluate and assess the information needs of decision makers and set priorities		x	x	x			
1.6.1.1 Information needs of decision makers and priorities for the development of the PTN	Needs of decision makers and priorities report developed.	x	x	x			
1.6.2 Determine current pollinator conservation initiatives to establish partnerships		x	x	x	x	x	x

1.6.2.1 Partnerships with current pollinator conservation projects (local and regional)	A list of prospective partners	x	x	x			
1.6.4 Coordinate with local, national, and international conservation and protection projects		x	x	x	x	x	x
1.6.4.1 Partnerships with current pollinator conservation projects (local and regional)	A list of prospective partners	x	x	x			
1.6.14 Include pollinator experts		x	x	x	x	x	x
1.6.14.1 revision and improvements on the Experts DB	Experts DB v1.0 released	X	X	X			
1.6.14.2 input experts data	database populated	x	x	x	X	X	X
1.6.14.3 maintenance of DB and code	Experts DB maintained	x	x	x	x	x	
1.6.14.4 documentation of Experts DB code	Documentation of source code, environment.	X	X	X	X	X	
1.6.15 Include pollinator literature		x	x	x	x	x	x
1.6.15.1 Search for pollinator literature sources	list of pollinator literature sources and/or leads	x	x	x	x	x	x
1.6.15.2 Adding pollinator literature to the PTN	add to the PTN		x	x	x	x	x
1.6.18 Maintain the IABIN Pollinator Thematic Network	make sure PTN in good working order	x	x	x	x	x	x
1.6.19 Develop multi-lingual data entry tools and training manuals		x	x	x	x	x	x
1.6.19.1 Portuguese	PTN training materials	x	x				
1.6.19.2 Spanish	PTN training materials			x	x		
1.6.19.1 English	PTN training materials					x	x

Indicator	Responsible	Cumulative since Dec 2006	Measurement on 3 rd Quarter 2008 (June 25 – Sept 30)	Measurement on 4 th Quarter 2008 (Oct 1 – Dec 31)	Measurement on 1 st Q 2009 (Jan-March 09)	Measurement on 2 nd Q 2009 (April-June 09)
1. Increase of Visits to the portals of :						
PTN	L. Adams	1903 in 2007 + 323 in 2008 (- June 25) + 551 in 2009 (Jun	236 visits	269 visits	356 visits	440 visits

		26 - Jan 20) (+ 356 + 440 Jan- June '09) = 3573 Total Visits (not hits)				
4. Data and metadata content increase in the IABIN Catalog and TNs increases:						
PTN	L. Adams	(metadata records cataloged by NBII Pollinators Project) 343 (cataloged prior Jan 1 '07) 853 (cataloged since Jan 1 '07) 162,542 pollinator occurrence records in PTN Data Portal from 3 data providers 91 pollinator contact metadata records in PTN Contacts Database	83 records cataloged by NBII Pollinators Project (Jul 01 – Sept 30)	112 records cataloged by NBII Pollinators Project (Oct 1 – Dec 31)	-Specimens Occurrences: 962552 (new Network added - GBIF data 800,000 registers) -Interactions (plant-pollinators): 0; -Data Providers: 2	-Specimen Occurrences: 1,048,024 (new providers: Colombia, Peru, Chile, and Brazil) -Interactions (plant-pollinator): 17,534 -Data Providers: 6
5. Number of people trained per year on data creation tools, data quality and use of tools developed by IABIN TNs						

2.2.5 Protected Areas TN (PATN)

PATN Project Milestones

- In April 2009 UNEP-WCMC took over the PATN leadership - CI Transfer Agreement will be signed in August 2009.
- 7 data content grants approved and their contracts under negotiation as of June 2009.
- The WDPA Marine Web based Data Entry Tool was launched by UNEP-WCMC

- Completed an association with the Ministry of the Environmental of Brazil in order to offer to the IABIN Countries an Open Source Protected Areas Information System, compatible with the PATN and WDPA standards;

PATN Indicator Measuring Matrix

Indicator	Cumulative for 2007	Measurement on 1 st Quarter 2008	Measurement on 2 nd Quarter 2008	Measurement on 3 rd Quarter 2008	Measurement on 1 st Quarter 2009
1. Visits to the IABIN Catalog and Portals of each IABIN Thematic Network increase	4,176 (348 visits/month average)	2,271 (568 visits/month average)	2,388 (597 visits/month average)	1,447 (362 visits/month average)	Not available
4. Data and metadata content in the IABIN Catalog and TNs increases	10,852	10,852	10,852	10,852	23,530
5. Number of people trained per year on data creation tools, data quality and use of tools developed by IABIN TNs	none	none	none	18 participants at the III PATN Workshop	None

- (PATN) 7 data content grants were approved to the following countries: Belize, Chile, Dominican Republic, Guatemala, Jamaica, El Salvador, Uruguay. 23,530 protected areas data available as of January, 2009

SUMMARY COMPONENT 1 AND COMPONENT 2

	Visits (average visits/month)	Records (total at Jun 2009)	Training
IABIN Web	1197	N/A	
Catalog	1277	200,000	
SSTN (Specimens)	1831	3,461,304	
SSTN (Species)	N/A	3,784	
I3N	463	17,732	103
PTN (Specimens)	398	1,048,024	
PTN (Interaction)	N/A	17,534	
PATN	N/A	23,530	
ETN	680	1,925	
Total	974	4,773,833	103

Note: PATN, does not have statistics for this semester because they are moving the PATN infrastructure to UNEP-WCMC facilities.

4. COMPONENT 3: TOOLS FOR DECISION-MAKING

The no objection from the Bank to begin implementation of four projects under Component 3 was received in April 2009 and the following 4 projects were funded:

1. [Sistema para el modelado de escenarios de acciones de desarrollo o posibles amenazas a la biodiversidad](#). IABIN funding requested US\$107,298 and co-financing US\$218,100 Submitted by Instituto Nacional de Biodiversidad (INBio)
2. [Sistema para la toma de decisiones con base en categorías de conservación y usos de la biodiversidad](#). IABIN funding requested US\$77,695 and co-financing US\$133,880. Submitted by Instituto Nacional de Biodiversidad
3. [Internet-Based GIS Ecosystem Assessment and Reporting Tool for Conservation Decision-Making](#). IABIN funding requested US\$75,000 and co-financing US\$150,000. Submitted by The Nature Conservancy
4. [Advancing joint roles as Coordinating Institutions for the Inter-American Biodiversity Information network \(IABIN\) – Ecosystems Thematic Network \(ETN\)](#). IABIN funding requested US\$49,971 and co-financing \$74,927.01. Submitted by NatureServe. (ETN) A meeting of the institutions with Grants from Component 3 (TNC and NatureServe), related to the ETN took place in Ann Arbor, MI on June 17-19. The main topics of discussion included how to link the ETN Standard Format Database with a visualizer being provided by TNC, sustainability issues, integration of component 3 tools with the ETN Portal, integration of ETN database with Species, Specimen and Protected Areas data in a geospatial sense.

Further details, please see <http://www.oas.org/dsd/IABIN/Component3.htm>. These grants should all be completed in 2009. Pending discussions with the IABIN Council a 3rd RfP may be issued in 2009 for the \$160,000 balance remaining in this component.

Component #3 was further defined during the 6th IABIN Council Meeting in July 2009. The IABIN Focal Points supported additional qualifications and other limits on Component 3. IABIN Component 3 products will be based upon the following criteria:

- Cross national requirements to be completed within two years.
- Consistent with national policy requirements using appropriate tools (e.g. National Biodiversity Strategies and Action Plans [NBSAPs]).
- FPs to identify and provide their national priorities by July 31, 2009
- Synergistic to international commitments (e.g. CBD, CITES)
- Projects must be replicable
- Must leverage additional information resources

5. COMPONENT 4: SUSTAINABILITY OF IABIN

The IABIN Mid-Term Review/Vision/ and Fundraising Consultant was hired in October 2008 with the following objectives:

1. The **IABIN Mid-Term Review (MTR)** entails evaluation of the execution of the IABIN-GEF Project, with a view to analyze the effectiveness of the project in meeting the original objective and the changing context in which the project has been implemented to date. The MTR was completed in March 2009 and distributed to the World Bank and IEC for comments. In advance of the IABIN VI Council Meeting in July 2009, the MTR was distributed to all IABIN Focal Points as a background document for the meeting.

- a. An Action Plan to organize and prioritize IABIN project activities for the Second Semester of 2009 and 2010 is under development based on the recommendations outlined in the MTR.
2. The **Visioning Exercise** was completed in late 2008 and circulated to the IEC and can be found at: <http://www.oas.org/dsd/IABIN/Component4.htm>
3. The **Fundraising Strategy**, with the guidance and assistance of the IABIN Council and IABIN Executive Committee (IEC) will recommend a funding strategy for IABIN, based upon key deliverables and value added products. This will include a review of strategic partnerships between the Coordinating Institutions of IABIN's Thematic Networks, specialized intergovernmental agencies, NGOs, and civil society organizations, including the private sector.
4. Next generation implementation plan will identify priorities for a further iteration of IABIN after 2010.

Outreach, Communications and Fundraising/Sustainability

5.1. Secretariat

The Data Content Manager and the Thematic Network Coordinator have provided joint supervision of the Administrative Assistant, the Web/Communications Assistant and management of the Secretariat's office.

The IEC and OAS created ToRs for a new IABIN Coordinator position following the IABIN Vision meeting in October 2008 in Washington, DC. The Coordinator will assist in IABIN outreach activities to partners and member nations, fundraising for IABIN's TNs and for the network as a whole, and facilitate implementation of IABIN products and outputs in member nations. As decided by the IEC at the 2008 IABIN Visioning Meeting, the Coordinator, in collaboration with the IEC and OAS, will also examine outreach possibilities to the GEF National Focal Points and GEF Secretariat to highlight the possible uses of IABIN's outputs to these actors.

The position was advertised in May 2009 and is expected to be filled by September 2009.

5.2. Outreach and Communications

The SIXTH COUNCIL MEETING was held at República Dominicana From 14-16 July 2009. the meeting objectives were:

MEETING OBJECTIVES:

- Evaluation and Lessons learned in 4.5 years of implementing the IABIN-GEF Project
- IABIN 2010-2015 – What will IABIN be?
- Define IABIN's Niche in the Global Bioinformatics Community
- Define IABIN's mission and workplan for 2010-2015
- Funding to implement main lines of work to achieve objectives.
- Review of current Stakeholders Roles and transition to their future roles
- Review and strengthen plans for GEF 2 follow up project

MEETING OUTPUTS:

- **Lessons Learned**
- **IABIN's Niche, Mission and Objectives**
- **Outline of Implementation Plan 2010-2015 Including funding and sustainability**
- **Assignment of responsibilities to develop detailed work plans for each objective,** including work plan for the IEC for the following months
 - Recommend adjustments to IABIN-GEF project to reflect progress, challenges from last four years of project implementation
 - Discussion and decisions on technical development and sustainability of the Thematic Networks;
 - Work plan for Component 4 Sustainability

- Follow-up GEF 2 profile and workplan;

BROCHURES: The PTN and I3N produced fact sheets in English and Spanish detailing the status of their networks, and OAS created a brochure summarizing overall IABIN advancements up until June 2009. The brochures can be found at: <http://www.oas.org/dsd/IABIN/Component4.htm>

E-BIOSPHERE 09: IABIN cosponsored the e-Biosphere 09 meeting of international biological informatics experts in June 2009 in London. IABIN sponsored the attendance of several attendees from the Americas and organized a software demonstration to display the tools and products developed by its TNs. Later, IABIN Chair Gladys Cotter and the thematic networks coordinator participated in a planning session where the leading biological informatics institutions outlined joint priorities and actions for the years ahead. See www.e-biosphere09.org for additional details.

5.3 TNs Sustainability

5.3.1 SSTN

SSTN presented the options for its sustainability at the IABIN Vision Meeting in Washington, DC on 27-28 October, 2008. The natural partners of SSTN are GBIF and EoL. Both global initiatives are willing to work with INBio to establish a Regional node for both GBIF and EoL. TORs will be defined in 2009.

A complementary path, which was presented to the IEC several times, would be to present a new proposal to GEF, one of whose objectives would be to strengthen SSTN by means of a *backbone network* made up of the “champions” of this phase of the Project. That is, made up of those countries that have benefited from the first IABIN-GEF project (i.e., Argentina, Chile, Colombia, Peru, Costa Rica, the Central American region and one or two Caribbean countries) and of those that already had national networks (such as Mexico, the USA and Canada).

In a similar manner to the way ENBI finished and now in Europe there is a new project called LifeWatch (which is being built on the accomplishments of ENBI and other initiatives), INBio suggested that a new initiative be presented to GEF, with an attractive name, based on the foundation developed by IABIN and, in particular, by the SSTN. We are awaiting the response from the IEC about our ideas.

In the meantime, during 2009, INBio will contribute for one more year and as co-financing, the provision of maintenance to the web portal and the software, since the Project funds have been used up.

5.3.2. ETN Sustainability Plan

NEW COORDINATING INSTITUTION

- The Smithsonian Research Institute resigned as Coordinating Institution for the ETN.
- The institutions participating in the ETN Consortium and other organizations were asked for letters of commitment to continue participating in the Consortium. Currently, the following organizations are members of the ETN Consortium is formed by the following institutions:
 - Instituto Alexander von Humboldt
 - NatureServe
 - The Nature Conservancy
 - Center for Information on Sustainable Development (CIDES)/City of Knowledge in Panamá
 - El Museo Argentino de Ciencias Naturales
 - Smithsonian Tropical Research Institute
- A proposal was sent to the IEC by NatureServe to become the new Coordinating Institution for the ETN Consortium. This proposal was approved by the IEC and NatureServe is the new Coordinating Institution.

Proposal Activity to obtain new funds

- With respect to the sustainability of the ETN the following activities are being proposed and will be developed into full proposals:
 - i. To continue development of the Standard Formats forms, database and infrastructure necessary to access the information and obtain reports.
 - ii. To continue providing Grants to countries to digitalize data in the standard format and to continue training in countries participating in the network.
 - iii. To provide a service to decision makers in countries by development of tools that will be carried out in coordination with organizations that have the ability to provide the proposed service.

Activities under the Program GeoSUR

- Activities for the implementation of the Geospatial Network in South America continued during this semester. This work is being done in coordination and funding from the Cooperación Andina de Fomento (CAF). Activities carried out by the ETN under the GeoSur project:
 - Technical assistance to 4 South American countries has been provided in order for them to establish geoservers. This activity will continue during the rest of this year.
 - Technical assistance to countries receiving ETN grants is being offered in order for them to enter their geospatial data in the server being established through the GeoSur project.
 - Third Report to CAF on IABIN activities with GeoSUR was submitted in March, 2009. Third payment was received in April
 - Final Report to CAF on IABIN activities with GeoSUR will be submitted in July, 2009, requesting final payment.
- In coordination with the Secretariat and the GeoSur Coordinator, a Latin American geospatial workshop took place in Panama City on April 2-3, 2009.
- A follow up to the GeoSur implementation plans submitted by the Ministries of the Environment in South America is being carried out. Letters were sent individually to all South American institutions and focal points by the Secretariat requesting an update on the status of their plans to make geospatial information available through the servers being installed.
- A new concept paper has been developed to maintain the existing network and to continue its development in Latin America and the Caribbean. This concept paper will be presented to donors during the next semester to be considered for funding.

5.3.3. PTN Sustainability. The future of the IABIN PTN was the subject of an extensive discussion at the Brazil Technical meeting. In addition, the PTN team helped prepare Mike Ruggiero to represent the PTN for the Vision meeting. Ruggiero and Ben Wheeler gave the PTN team an overview of the Vision Meeting upon their return.

The IABIN PTN team has decided to gradually alter its name to include a more user friendly approach. In addition to “IABIN PTN” they have added “*The Pollinator Information Network of the Americas*” so that readers will better understand what they do and what they provide.

5.3.4 PATN Sustainability – To be submitted once WCMC CI Transfer Agreement is signed.

5.3.5 I3N Sustainability. Each country has an I3N Lead or Co-Lead that coordinates I3N activities among the I3N Coordinating Institution. The 18 countries that are current active members will continue to manage the database and add data content as the data becomes available. The process to invite new leads began and should be completed in the second semester of 2009.

5.4 Partnership and Communications

6th IABIN Council meeting

Members of the IABIN Executive Committee (IEC):

Country	Elected	
Chile	2005 (4th Council Meeting)	Karin Molt (Vice-Chair, April 2005)
Dominican Republic	2009 (6th Council Meeting)	Marina Hernandez
Grenada	2009 (6th Council Meeting)	Mervin Haynes
Guatemala	2009 (6th Council Meeting)	Edgar Selvin Pérez
Jamaica	2007 (5th Council Meeting)	Dionne Newell
Panama	2007 (5th Council Meeting)	Dario Luque
Uruguay	2005 (4th Council Meeting)	Ana Aber
United States	2005 (4th Council Meeting)	Gladys Cotter (Chairperson, April 2005)
NGO	Elected	
GBIF	2007 (5th Council Meeting)	Juan Bello
TNC	2007 (5th Council Meeting)	Maarten Kappelle

Other Partnership and Communications

- During this period partnerships with several institutions were strengthened that help support development of the different Thematic Networks. In addition, a strong collaboration has been forged with the American Association of Geographers (AAG), Andean Development Corporation (CAF), and USGS to advance technical programs and fundraising activities for the development of the network.
- **Western Hemispheric Migratory Species Initiative (WHMSI)** WHMSI is building country capacity to conserve and manage migratory wildlife. It improves hemispheric communication on conservation issues of common interest, provides training in priority areas, strengthens the exchange of information needed for informed decision-making, and provides a forum to address emerging issues such as new threats to migratory species, or the connections between wildlife disease and human diseases. <http://www.oas.org/dsd/WHMSI/English/Index.htm> IABIN was presented to the Western Hemisphere Migratory Species Initiative Third Hemispheric Conference in Paraguay in July 2008. The conference convened Western Hemisphere governmental representatives and partner organizations to improve collaboration regarding international conservation of migratory species. Discussions are underway to have migratory species as a 6th IABIN thematic network whereby data between the networks would be interoperable. The U.S. Fish and Wildlife Service and OAS hosted the Interim Steering Committee meeting in March 2009.
- **IABIN and Payments for Ecological Services.** Through the use of a database, the OAS Department of Sustainable Development (DSD) has been analyzing trends in transactions that have occurred in the region. Additionally, the DSD has been analyzing the challenges and contributions of legal and institutional frameworks to the implementation of PES (payments for ecological services) schemes which could become an important value added product for decision making in biodiversity protection. <http://www.oas.org/dsd/EnvironmentalServ.htm> Discussions are underway to have IABIN house and expand the PES database.
- **The Andes-Amazon Amazon Protected Areas Network (RANPA)** work was completed in March 2009:
 - Final Agreement on the AAPAD database, with full data, user perspective and analysis of the information.
 - Amazon Protected Area Network work plan completed
 - Identifying and profiling initiatives with information to continue populating the database.

- **ReefFix: An ICZM Coral Reef Restoration, Watershed Management and Capacity Building Demonstration Project for the Caribbean**

ReefFix is a subproject within the Protected Areas Thematic Network (PATN) and follows on two initiatives:

- The development of the Caribbean Protected Areas Database Initiative – CPADI (See Annex 1.)
- MPAGlobal Database and workshop where details can be found at:
<http://www.oas.org/dsd/Events/english/08.03.10.htm>
- <http://www.oas.org/dsd/IABIN/Component1/ReefFix/ReefFix.htm>

The REEFfix study continues these initiatives by conducting 3 valuation methodologies applied to 7 case study sites:

IABIN ReefFix: An ICZM Coral Reef Restoration, Watershed Management and Capacity Building Demonstration Project for the Caribbean	
Country	Marine Park
Jamaica	Montego Bay Marine Park Trust
Bahamas	Moriah Harbour Cay National Park in Exuma situated between Little & Great Exuma.
DR	National Park of the East.
Haiti	Carocol Mangrove park or Arcadins Coast and Islands
St Vincent and the Grenadines	TBD
Grenada	Southeast Grenada
Antigua Barbuda	TBD

For this exercise, Dionne Newell, IABIN Focal Point for Jamaica and member of the IABIN Executive Committee is keeping the Caribbean Focal Points in the IABIN Council informed.

5.6 Fund Raising

JRS Biodiversity Foundation. The proposal “Enhancing Knowledge for Establishing Ecosystem Conservation Priorities in the Neotropics by Integrating Biodiversity and Geospatial Data” was approved in December 2007 for US\$200K. The first installment of \$120,000 was received in February 2008. In late 2008, INBio was identified as the Principal Investigator for this project. In June of 2009 JRS gave the final go ahead to the current version of the project and planning activities are under way. These include the following:

- Update of the list of plants (including synonyms).
- Contact the Field Museum of Chicago to coordinate the digitization of plants information..
- Prepare gazetteers to assist with georeferencing records in the project.

World Bank. Two proposals for Internal Competition under the World Bank’s Norwegian Trust Fund for Environmentally & Socially Sustainable Development (TFESSD, www.worldbank.org/tfessd), were approved. These proposals are:

Developing Guidelines for Management of Environmental Information in World Bank and IADB projects (US\$40K). The objective of this project was to develop a document to serve as the main rapid reference for managing environmental information resulting from environmental related projects supported by WB/IDB. This document is a devised as a decision tool, in order to guide the readers through the different steps needed to identify which type of information they have or they are going to collect, which options are available for standardizing that information from the beginning, or to verify it according to IABIN standards and procedures and how to provide it to the IABIN network. The final document was delivered to the World Bank in May 2009.

Integrating Ecosystem and Species Data into Disease Forecasting Models (200K).

- The project entitled “Integrating Ecosystem and Species Data into Disease Forecasting Models” Funds has been in progress with funds from the World Bank’s Trust Fund for Environmentally and Socially Sustainable Development (TFESSD).
- This project was scheduled to terminate in June, 2009, however, a six month extension was given by the Norwegian Fund due to the presence of the H1N1 virus in the region and the inability of epidemiologist to attend workshops scheduled to finalize the project. The fund awarded \$200,000 for two years. Most of the funds have been spent.
- During this semester two dengue forecasting models have been developed, data have been collected and a statistical analysis of the data has been carried out. National training in Nicaragua is scheduled in Leon for early September, 2009. International training in coordination with OPS is to be carried out in October, 2009 in Panama City.
- A new concept paper has been developed to continue and expand this activity to the rest of Nicaragua and other Latin American countries.

Global Environmental Facility (GEF). IABIN was invited by CABI to collaborate on drafting a Request for a Project Preparation Grant (PPG) titled “Mitigating the Threats of Invasive Alien Species in the Insular Caribbean,” to be submitted to the GEF for funding. A revised version of the PPG draft was submitted by IABIN to CABI, along with a support letter for this PPG addressed to GEF. IABIN received an email request in June from the Co-Director and Regional Representative for CABI in the Caribbean and Latin America, based in Trinidad and Tobago for IABIN partner support for the CABI Caribbean IAS GEF project.

The Project Preparation Grant (PPG) commenced in May 2008. Before the PPG budget and associated activities were cut back by GEF by more than half, IABIN had committed to providing in kind co-financing for US\$ 30,000. Because IABIN pledged to contribute to the development of this proposal at a level according to the level of support from the PPG, requests for support during PPG are expected to be in the range of US\$ 9,087 (in kind) to cover: databases, specifically I3N (capacity building and planning for strategic roll-out to cover region), risk/pathway analyses, and use of standards. This project received final GEF CEO Endorsement on 25 June, 2009. The project will be internalized by UNEP/GEF and contracts signed between CABI and UNEP/GEF. This is expected to be completed by the end of July, for the latest. An inception workshop is planned to take place the final week of September 2009. Further information can be requested to Christine Fournier, I3N coordinator (cfournie@usgs.gov)

5.7 IABIN Secretariat Sustainability Actions

The Thematic Networks Coordinator continues coordinating activities under the component 1. New Coordination Institutions for ETN and PATN were established with new work plans submitted.

The IT TWG took place in Panama between March 31st and April 1st.

On April 2nd and 3rd IABIN jointly with CAF carried out a follow-on Geospatial Meeting in Panama. 20 people participated from different organizations. The meeting presented the main geospatial initiatives in the regions, and explored possible cooperation between them. It established a common framework to implement future geospatial projects and protocols for data exchange.

The Thematic Networks Coordinator participated at the Global Environmental Information Network Meeting, in Abu Dhabi – United Arab Emirates. At this meeting the Thematic Networks Coordinator made a presentation about IABIN and had the opportunity to exchange experiences and best practices on the implementation of national, regional and global Environmental Networks. The Thematic Networks Coordinator was part of the working group “Technology and Capacity Building.”

The Thematic Networks Coordinator participated at the e-Biosphere09 workshop in London – UK. IABIN had a Booth to demonstrate IABIN’s tools and software. The Thematic Networks Coordinator also participated in the planning workshop. This workshop used the input provided by the e-Biosphere 09

Conference as background to discuss important gaps and overlaps in information system coverage and interoperability among systems.

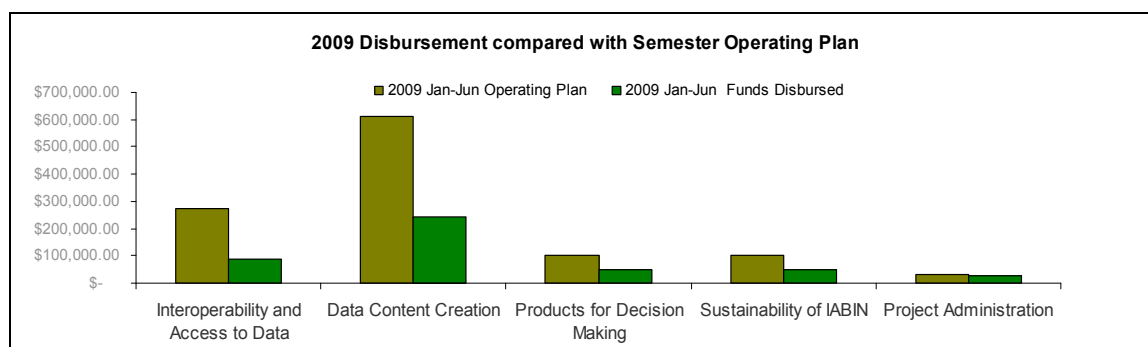
The Thematic Network Coordinator has held communications with Erick van Praag, of CAF, regarding the implementation of the GeoSur Project. The discussion has centered in the last semester of the implementation of the GeoSur Project. Last report will be submit on August/09

The TNs Coordinator has continued the Secretariat’s support to City of Knowledge for the development and implementation of the International Center for Sustainable Development (CIDES). The Thematic Networks Coordinators is re-design the CIDES web portal, and helped CIDES to defined the its IT implementation strategy for 2009 -2010.

6. COMPONENT 5: PROJECT ADMINISTRATION

6.1 IABIN Financing

From Project inception to June 2009, the project has disbursed \$3,340,884.96. In the 2009 AOP, IABIN projected disbursements of up to \$1,116,099 for the period of January through July of 2009. Actual disbursement of funds was \$452,745.04 representing 41% of the aforementioned targets.



The breakdown of disbursements by component show that the greatest difference between planned and actual disbursements is in Components 2 and 3 given the time required to negotiate, approve and sign the Sub-Project Agreements under said components; the performance of the other components is as follows:

- (i) *Component 1:* Disbursements totaled 32.71% of the planned amount for the first semester of 2009. The coordinating institutions are implementing most of their activities on schedule as programmed in their respective operating plans; Most of them have already completed most of their programmed activities under component one except in the case of the Protected Areas Thematic Network where UNEP/WCMC was selected as the new Coordinating Institution. The CI Transfer Agreement was expected to be signed in the first semester of 2009. However, the negotiations, legal review and approval by the World Bank, the GS/OAS and UNEP/WCMC took longer than expected.
- (ii) *Component 2:* Disbursements totaled 39.48% of the planned amount for the first semester of 2009. During this period the GS/OAS continued negotiated the terms and conditions of GS/OAS administrative and legal procedures while the IABIN Secretariat negotiated the technical aspects with the grantees. This process has taken

several months for many institutions since some of grantees don't have a legal personality or don't have the necessary accounting system. In addition, these institutions also have to send the Sub-Project Agreements for the review and approval of their own Legal Department causing delays in the signature of the Agreements and in the disbursement of the first payment. As set in the grant agreements, most of the institutions require approximately 40% of the grant amount to be disbursed upon signature while the remaining balance is paid upon submission of satisfactory performance on their deliverables. Approximately sixty data content grants Agreements have been signed and are completed or in progress. In addition almost forty Agreements are currently under negotiation with the corresponding institutions. Therefore the GS/OAS expects to continue disbursing the largest portion of the data content grants funds in the second semesters of 2009.

- (iii) *Component 3:* Disbursements totaled 46.51% of the planned amount for the first semester of 2009. After signing the 3rd Amendment to the GEF Trust Fund Agreement required in order to include a new procurement category and agreeing on the Sub Grant Agreement model with the World Bank, the GS/OAS finally signed the first four sub-projects for the development of value added tools for decision making. Component 3 projects are underway and the GS/OAS expects to continue disbursing a large amount of funds in the second semester of 2009.
- (iv) *Component 4:* Disbursements totaled 48.45% of the planned amount for the first semester of 2009 corresponding in great part to the preparation of the VI IABIN Council Meeting planned for the second semester of 2009.
- (v) *Component 5:* Disbursements totaled 86.10% of the planned amount for the first semester of 2009.

Table 4: Details the execution level for the period January through July 2009:

COMPONENTS	JANUARY-JUNE 2009			
	Planned	Actual	Unspent balance for semester	Variance: Actual vs Planned
	Jan-Jun09	Jan-Jun09	(US\$)	%
Total 01 -- Interoperability and Access to Data	\$272,016.00	\$88,987.32	\$183,028.68	32.71%
Total 02 -- Data Content Creation	\$610,600.00	\$241,062.68	\$369,537.32	39.48%
Total 03 -- Products for Decision Making	\$100,000.00	\$46,505.00	\$53,495.00	46.51%
Total 04 -- Sustainability of IABIN	\$102,900.00	\$49,857.41	\$53,042.59	48.45%
Total 05 -- Project Administration	\$30,582.91	\$26,332.63	\$4,250.28	86.10%
Grand Total	\$1,116,098.91	\$452,745.04	\$663,353.87	40.56%

Table 5 shows that from the project inception through June 2009, IABIN has disbursed 56% of the total funds and has committed over 66% of the funds. During the period of July through December 2009, IABIN is expected to disburse \$1,556,240, which represents 26% of the total funds of the project.

Table 5. Funds available by IABIN Components

COMPONENTS	PAD: Life of Project	CUMULATIVE		
		Actual	Variance: Actual vs Planned	Forecast: Next Semester
	Nov04-Dec09	Nov04-Jun09	%	Jul-Dec09
Total 01 -- Interoperability and Access to Data	\$1,725,000.00	\$1,298,589.69	63%	\$ 239,450.00
Total 02 -- Data Content Creation	\$2,460,000.00	\$961,450.08	33%	\$ 859,600.00
Total 03 -- Products for Decision Making	\$500,000.00	\$46,505.00	10%	\$ 300,000.00
Total 04 -- Sustainability of IABIN	\$915,000.00	\$677,651.61	74%	\$ 120,169.62
Total 05 -- Project Administration	\$400,000.00	\$356,688.58	104%	\$ 37,020.71
Grand Total:	\$6,000,000.00	\$3,340,884.96	50%	\$ 1,556,240.33

6.2 IABIN Co-Financing

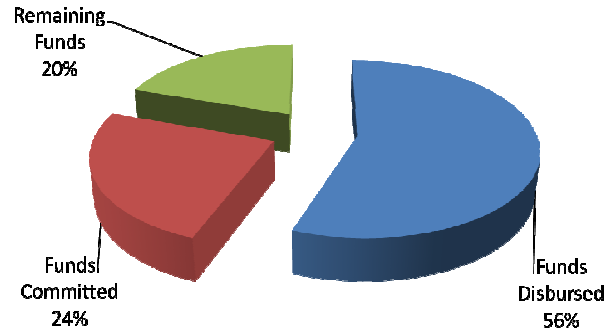
The IABIN partner organizations, Coordinating Institutions and grantees funded under the IABIN Content Development Program for Data Creation submitted their co-financing information for the period January through June 2009; the Table below shows that IABIN financing from GEF and co-financing amounted to a total of \$2,587,331.99 for this period.

Table 7: Core and non core Parallel Financing

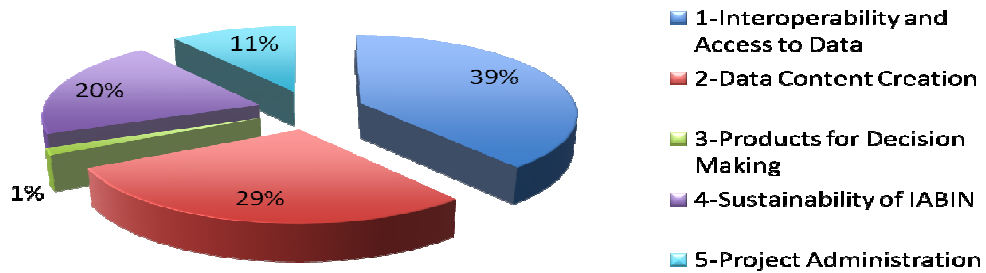
IABIN Financing						
<i>Period: January- June 2009</i>						
	Component 1	Component 2	Component 3	Component 4	Component 5	Total
Global Environmental Facility (GEF)	\$88,987.32	\$241,062.68	\$46,505.00	\$49,857.41	\$26,332.63	\$452,745.04
Co-Financing						
Core Co-Financing						
Coordinating Institutions						
Catalogue -- U.S. Geological Survey/National Biological Information Infrastructure	\$80,850.00	\$29,150.00	\$15,000.00	\$79,720.00		\$204,720.00
SSTN -- Instituto Nacional de Biodiversidad	\$77,552.00					\$77,552.00
ETN - Smithsonian Tropical Research Institute	\$20,000.00					\$20,000.00
IBN -- U.S. Geological Survey	\$99,700.00	\$221,250.00		\$20,163.00		\$341,113.00
PTN -- CoEvolution Institute	\$28,581.12					\$28,581.12
Data Content Grants						
Aves & Conservacion (SM)		\$9,540.00				\$9,540.00
Consejo Nacional de Investigaciones Cientificas y tecnicas (CONICET) (ETN)		\$14,183.00				\$14,183.00
Consejo Nacional de Investigaciones Cientificas y tecnicas (CONICET) (SM)		\$19,548.00				\$19,548.00
Fundacion Miguel Lillo		\$14,728.00				\$14,728.00
Fundacion para el Desarrollo Agraria (CDC-UNALM)		\$6,542.00				\$6,542.00
Fundacion para el Desarrollo Agrario- Universidad La Molina		\$6,542.00				\$6,542.00
Museo Nacional de Costa Rica		\$19,548.00				\$19,548.00
Promar Pacifico Ltda		\$5,577.00				\$5,577.00
Pronatura Mexico AC (ETN - 3rd Call Terr)		\$7,983.50				\$7,983.50
Red De Accion de Agricultura Alternativa		\$5,250.00				\$5,250.00
Red Nacional de Jardines Botánicos de Colombia		\$5,457.00				\$5,457.00
Universidad Autonoma de Nayarit		\$2,781.00				\$2,781.00
Universidad de Panama - Museo de Malacología		\$80,515.00				\$80,515.00
Universidad de Sao Paulo (PTN)		\$15,740.00				\$15,740.00
Universidad maimonides, Depto. De Ecologia y Ciencias ambientales- CEBBAD		\$12,000.00				\$12,000.00
Universidad Nacional de Colombia - Inst. De Ciencias Naturales - Lab. de Abejas Departamento de Biología (Colombia)		\$5,063.00				\$5,063.00
Universidad Ricardo Palma - Museo de Historia Natural (SM)		\$5,695.00				\$5,695.00
Universidad Ricardo Palma - Museo de Historia Natural (SP)		\$4,995.00				\$4,995.00
Universidad Santiago de Chile (SM)		\$8,997.00				\$8,997.00
Universidad Santiago de Chile (SP)		\$8,972.00				\$8,972.00
City of Knowledge				\$18,464.33		\$18,464.33
SG/OEA					\$110,000.00	\$110,000.00
Total Core Co-Financing	\$306,683.12	\$510,056.50	\$15,000.00	\$118,347.33	\$110,000.00	\$1,060,086.95
Non-Core Co-Financing						
Corporacion Andina de Fomento				\$12,500.00		\$12,500.00
Gordon and Betty Moore Foundation	\$32,000.00					\$32,000.00
NatureServe*	\$500,000.00					\$500,000.00
The Nature Conservancy	\$500,000.00					\$500,000.00
UNEP World Conservation Monitoring Centre **	\$10,000.00					\$10,000.00
World Bank*				\$20,000.00		\$20,000.00
Total Non-Core Co-Financing	\$1,042,000.00	\$0.00	\$0.00	\$32,500.00	\$0.00	\$1,074,500.00
Total Co-Financing	\$1,348,683.12	\$510,056.50	\$15,000.00	\$150,847.33	\$110,000.00	\$2,134,586.95
Total IABIN Financing	\$1,437,670.44	\$751,119.18	\$61,505.00	\$200,704.74	\$136,332.63	\$2,587,331.99
* Non-Core Co-Financing for ETN						
** Non-Core Co-Financing for PATN						

6.3 Cumulative Financial Performance

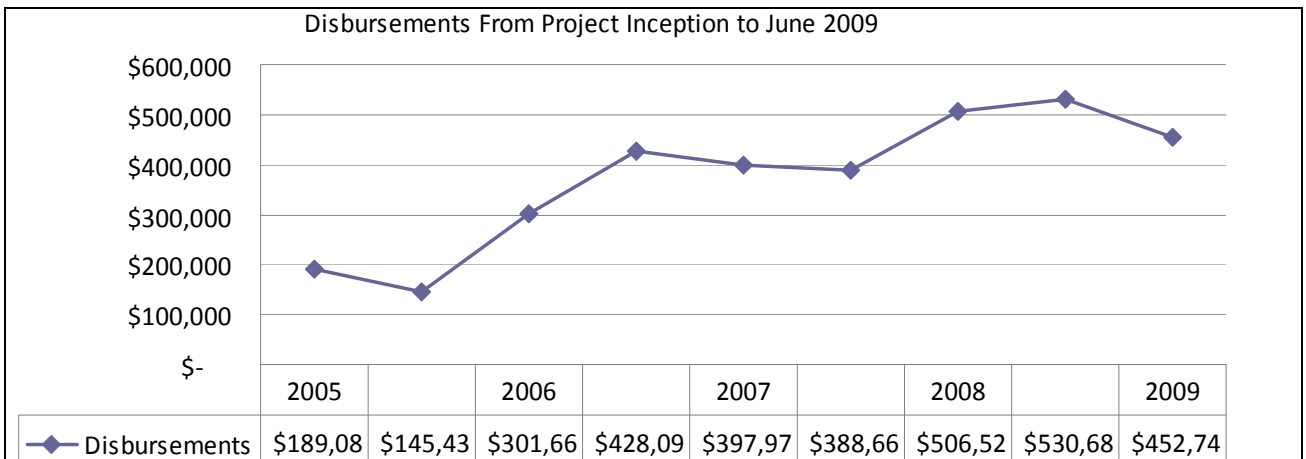
Graph 1: Distribution of total GEF funding from Project inception to June 2009



Graph 2: Funds Executed by Component from Project inception to June 2009



Graph 3: Disbursements from Project inception to June 2009



Annex 1 - List of Acronyms

AOP = Annual Operating Plan

CABI = Intergovernmental Organization. Invasive Species is one of its three key scientific areas for international development that works toward reducing the spread and impact of invasive species throughout the world.

CI = Coordinating Institution

CONABIO = Comisión Nacional para el Conocimiento y Uso de la Biodiversidad.

ECS = Ecosystem Class Standard

ENBI = European Network for Biodiversity Information

ETN = Ecosystem Thematic Network

FP = Focal Point

FAO = Food and Agriculture Organization

GBIF = Global Biodiversity Information Facility

SBSTTA = Subsidiary Body on Scientific, Technical and Technological Advice

GISP = Global Invasive Species Programme

GISIN = Global Invasive Species Information Network

IAS = Invasive Alien Species

I3N = Invasive Information Network

IEC = IABIN Executive Committee

IUCN = The World Conservation Union

JICA = Japan International Cooperation Agency

LAA/USP = Laboratório de Automação Agrícola da Escola Politécnica da University of São Paulo

NBII = National Biological Information Infrastructure

PAII = Portal de Acceso Integrado a Información de Especies y Especímenes

PATN = Protected Areas Thematic Network

PATWG = Protected Areas Technical Working Group

PAIGH = Pan American Institute of Geography and History

PIP = Project Implementation Plan

PP = Procurement Plan

PTN = Pollinators Thematic Network

REMIB = The World Biodiversity Information Network

SAIC = Science and Application Information Systems

SICAMAI = Sistema de Captura y Manejo de Información de Especies y Especímenes

STRI = Smithsonian Tropical Research Institute

SSTN = Species and Specimens Thematic Network

TN = Thematic Network

TWG = Thematic Working Group

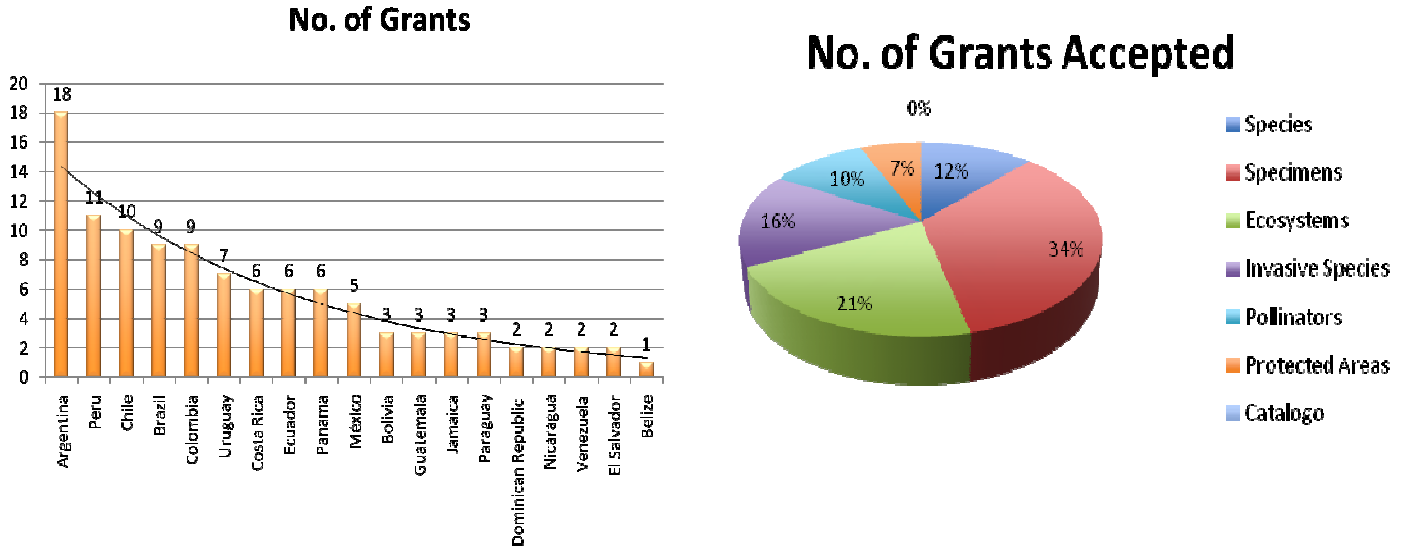
TNC = The Nature Conservancy

UDDI = Universal Description, Discovery and Integration

UNEP = United Nations Environment Program

Annex 2: Distribution of Data Content Creation Grants by Thematic Network and Country

Graph 1: Data Content Grants – Country Participation from Project Inception to June 2009



Country	No. of Grants	%
Argentina	18	17%
Peru	11	10%
Chile	10	9%
Brazil	9	8%
Colombia	9	8%
Uruguay	7	6%
Costa Rica	6	6%
Ecuador	6	6%
Panama	6	6%
México	6	5%
Bolivia	3	3%
Guatemala	3	3%
Jamaica	3	3%
Paraguay	3	3%
Dominican Republic	2	2%
Nicaragua	2	2%
Venezuela	2	2%
El Salvador	2	2%
Belize	1	1%
TOTAL	109	100%

Country	Funding Granted	%
Argentina	\$166,153.00	15%
Chile	\$108,079.00	10%
Peru	\$100,868.26	9%
Brazil	\$ 94,764.26	9%
Colombia	\$ 91,348.10	8%
Ecuador	\$ 78,546.00	7%
Costa Rica	\$ 75,000.00	7%
Panama	\$ 74,057.45	7%
Uruguay	\$ 68,140.00	6%
México	\$ 54,948.00	5%
Bolivia	\$ 30,000.00	3%
Guatemala	\$ 30,000.00	3%
Jamaica	\$ 29,911.13	3%
Paraguay	\$ 24,936.00	2%
Dominican Republic	\$ 19,700.00	2%
El Salvador	\$ 19,500.00	2%
Nicaragua	\$ 17,700.00	2%
Venezuela	\$ 14,300.00	1%
Belize	\$ 10,000.00	1%

Grantor	Country	IABIN Funds
Specimens		
Colombian Museum of Natural Marine History (MHNMC) of the Coastal and Marine Research Institute INVEMAR (PO#147113). Coordinator: Gabriel Navas	Colombia	\$ 9,851.00
Fundacion Miguel Lillo (PO# 146916). Coordinator: Ana María Frías de Fernández	Argentina	\$ 10,000.00
Círculo Herpatológico de Panamá (PO#151945). Coordinator: Fidel Jaramillo	Panama	\$ 10,000.00
Universidad Nacional de Colombia, Instituto de Ciencias Naturales (PO#162821) Coordinator: Rodrigo Bernal	Colombia	\$ 10,000.00
Museo Nacional de Costa Rica. (PO # 187213) Coordinator: Ana Cecilia Pienda	Costa Rica	\$ 10,000.00
Instituto de Botánica Darwinion (PO#166587) Coordinator: Fernando Omar Zuloaga	Argentina	\$ 10,000.00
Coleccion Boliviana de Fauna	Bolivia	\$ 10,000.00
Universidad de Santiago de Chile (PO # 181838, 208732) Coordinador: Sergio Castro	Chile	\$ 10,000.00
Universidad Central de Venezuela Coordinador: Jose Clavijo (PO#174778)	Venezuela	\$ 10,000.00
Administracion de Parques Nacionales -Sistema de Informacion de Biodiversidad (Vertebrados) PO#215107	Argentina	\$ 7,557.00
Administracion de Parques Nacionales -Sistema de Informacion de Biodiversidad (Aves Acuaticas Laguna Blanca) PO#215104	Argentina	\$ 5,150.00
Consejo Nacional de Investigaciones Cientificas y Técnicas - Museo Argentino de Ciencias Naturales (PO# 200053) Coordinador: Martin Ramirez	Argentina	\$ 10,000.00
Administracion de Parques Nacionales -Sistema de Informacion de Biodiversidad (Delegacion NEA Especies de Valor Especial) PO#215088	Argentina	\$ 6,360.00
Herbario BOTU de la Universidad Paulista UNESP	Brazil	\$ 10,000.00
EMBRAPA - Funagri	Brazil	\$ 9,900.00
UFPE	Brazil	\$ 10,000.00
Universidad Catolica (Biodiversidad de Bosques de Neblina) Coordinadora: Priscilla Muriel	Ecuador	\$ 10,000.00
Aves y Conservacion (PO # 187215) Coordinador: Sandra Looor Vela	Ecuador	\$ 10,000.00
Museo Entomológico de León / Asociacion Nicaraguense de Entomologia (PO#205111) Coordinador: Jean Michelle Maes	Nicaragua	\$ 9,200.00

Grantor	Country	IABIN Funds
Specimens		
Herbario Universidad de Panama (Vasculares) PO#205693	Panama	\$ 15,000.00
Herbario Universidad de Panama (Briofitas y Liqueños) Coordinadora: Noris Salzar PO# 205084	Panama	\$ 10,000.00
Museo de Malacologia, Universidad de Panama (Coordinador Miguel Aviles PO#189817)	Panama	\$ 9,057.45
Universidad San Marcos - Museo de Historia Natural (Coordinador Ortega PO#194387)	Peru	\$ 10,000.00
Fundacion para el Desarrollo Agrario- Universidad La Molina (Coordinador: Carlos Alberto Amillas PO#193361 PO# 208996)	Peru	\$ 9,700.00
Universidad Ricardo Palma - Museo de Historia Natural (Coordinador: PO#144467)	Peru	\$ 10,000.00
MUNHINA (PO#192663)	Uruguay	\$ 9,440.00
Fundacion Oga (PO# 181511) Coordinador Jorge Liotta (CONTRATO 50% ESPECIES 50% ESPECIMENES)	Argentina	\$ 9,981.00
Universidad Nacional de Colombia - Herbario Nacional	Colombia	\$ 10,000.00
Universidad de San Marcos MUSM - Coleccion Mastozoologica	Peru	\$ 10,000.00
U. Nacional de San Agustin - Herbario Arequipense	Peru	\$ 10,000.00
U. Nacional de Cajamarca - Herbario CPUN	Peru	\$ 10,000.00
Aves y Conservacion (PO # 217121) Coordinador: Sandra Loor Vela	Ecuador	\$ 10,000.00
Fundacion Ornitologica Sierra Nevada (RNOA) (PO# Cordinator: Walberto Naranjo)	Colombia	\$ 10,000.00
Museo de La Plata	Argentina	\$ 10,000.00
PRONATURA Veracruz A.C. (PO# 215109 Coordinadora: Miryam Araceli Garcia)	México	\$ 10,000.00
The Institute Of Jamaica	Jamaica	\$ 10,000.00
Sociedad Malacológica de Chile (PO# 219759 Coordinador: Sergio Letelier)	Chile	\$ 10,000.00

Grantor	Country	IABIN Funds
Species		
Instituto Nacional de Tecnología Agropecuaria	Argentina	\$ 10,000.00
MUNHINA (PO#192664)	Uruguay	\$ 10,000.00
Universidad Ricardo Palma - de Museo Historia Natural (PO#188176)	Peru	\$ 10,000.00
Red Nacional de Jardines Botánicos de Colombia (PO1#187276, 205930) Coordinadora: Carlina Zofroni	Colombia	\$ 10,000.00
Universidad de Santiago de Chile	Chile	\$ 10,000.00
Fundación Miguel Lillo (Coordinator: Ana Maria Frias PO#196363)	Argentina	\$ 10,000.00
Administración de Parques Nacionales - Hongos Algas y Liqueenes (PO#215081)	Argentina	\$ 5,912.00
Instituto Alexander Von Humbolt	Colombia	\$ 10,000.00
Universidad Nacional Mayor de San Marcos	Peru	\$ 5,000.00
Universidade Estadual de Campinas	Brazil	\$ 10,000.00
Aves y Conservacion	Ecuador	\$ 28,546.00
Instituto Smithsonian de Investigaciones Tropicales - STRI (PO# 219769 Coordinator:)	Panama	\$ 15,000.00
Centro de Ornitología y Biodiversidad - CORBIDI (PO#219630 Coordinator: Thomas Valqui)	Peru	\$ 8,250.00

Grantor	Country	IABIN Funds
Ecosystems		
Dirección Nacional de Medio Ambiente. Coordinator: Virginia Fernandez (PO#178258)	Uruguay	\$ 10,000.00
Universidad Maimónides, Departamento de Ecología y Ciencias Ambientales, a través del Centro de Estudios Biomedicos, Biotecnológicos, Ambientales y Diagnóstico - Fundación Felipe Fiorellino. (PO#169589, 207281) Coordinator: Gustavo Zuleta	Argentina	\$ 11,500.00
RUMBOL SRL Coordinators: Gonzalo Navarro Sanchez and Nelly de la Barra (PO#169708)	Bolivia	\$ 10,000.00
Universidad Autónoma de Baja California (Coordinadora: Ileana Espejel) PO# 186575	México	\$ 5,000.00
Universidad Autónoma de Nayarit (PO#192848) Coordinador: Raul Ulloa	México	\$ 5,000.00
Centro Nacional Patagónico Coordinador Golfo Nuevo: Mirtha Lewis (PO# 174538, 192319)	Argentina	\$ 10,000.00
Programa EcoPlata-DINAMA Coordinator: Virginia Fernandez (PO#178358)	Uruguay	\$ 10,000.00
Colombian Museum of Natural Marine History (MHNMC) of the Coastal and Marine Research Institute INVEMAR (PO#174301) Coordinador: Raul Navas	Colombia	\$ 9,974.00
Museo Argentino de Ciencias Naturales, CONICET - Innova - T (Coordinador: Alba Puig) PO#: 198279	Argentina	\$ 10,000.00
Ministerio del Ambiente y los Recursos Naturales	Nicaragua	\$ 8,500.00
Corporación Taller la Era Coordinador: Patricio Pliscoff (PO# 183824, 204780)	Chile	\$ 10,000.00
Centro Nacional Patagónico Golfo de San José y San Matías (PO# 218858) Coordinador: Mirtha Lewis	Argentina	\$ 10,000.00
Promar Pacífico Ltda. (Coordinador Adolfo Vargas Pos # 195199, 204699, 215724)	Chile	\$ 10,000.00
PRONATURA Veracruz A.C. PO# 208773 Coordinador: Myriam García	México	\$ 12,000.00
Universidad Nacional Autónoma de México Coordinador: María Jesús Ordoñez	México	\$ 20,000.00
TNC (3rd Terr Pino-Roble Fase I) Coordinador: Steve Schill	Costa Rica	\$ 10,000.00

Grantor	Country	IABIN Funds
Ecosystems		
Fundación Oga (Fresh Water - PO # 212209) Coordinador: Beatriz Giacosa	Argentina	\$ 9,913.00
Universidad de Chile (PO # 210685) Coordinador: Claudio A. Quezada R.	Chile	\$ 10,000.00
TNC - Fresh Water Central America Coordinador: Steve Schill	Costa Rica	\$ 15,000.00
TNC - Fresh Water South America Coordinador: Steve Schill	Costa Rica	\$ 15,000.00
Asociación GUYRA Paraguay Coordinador: Cristina Penayo Alberto Yanosky	Paraguay	\$ 5,000.00
Promar Pacifico Ltda. (PO#219630) Coordinador: Cristian Hudson	Chile	\$ 14,000.00
TNC (5th Pino-Roble Fase II) Coordinador: Steve Schill	Costa Rica	\$ 15,000.00
Invasive Species		
Institute of Jamaica (PO # 122589) Coordinators: Dayne Buddo and Dionne Newell	Jamaica	\$ 9,911.13
Asociación Guyra Paraguay (PO# 122588) Coordinator: Cristina Morales	Paraguay	\$ 9,936.00
Fundación Nacional del Sur (PO#122779 - 147079) Coordinator: Sergio Zalba	Argentina	\$ 9,780.00
Universidad de la República Oriental del Uruguay through its Facultad de Ciencias (PO# 122654) Coordinator: Ernesto Brugnoli	Uruguay	\$ 10,000.00
Instituto de Investigaciones de Recursos Biológicos Alexander Von Humbolt (PO#141000) Coordinator: Maria Piedad Baptiste	Colombia	\$ 11,523.10
The Horus Institute for Environmental Conservation and Development (PO# 144976) Coordinator: Silvia Ziller	Brazil	\$ 10,000.00
Universidad Ricardo Palma - Museo de Historia Natural (PO#144467)	Peru	\$ 7,918.26
Corporación Centro de Datos para la Conservación (PO# 146911) Coordinator: Marcia Peñafiel	Ecuador	\$ 10,000.00
Asociación para la Conservación y el Estudio de la Biodiversidad (PO#147727)	Costa Rica	\$ 10,000.00

Grantor	Country	IABIN Funds
Invasive Species		
Consejo Nacional de Areas Protegidas a Través de la Oficina Técnica de Biodiversidad - OTECBIO (PO#172702) Coordinator: Fernando García-Barrios	Guatemala	\$ 10,000.00
Universidad Mayor de San Andres, Fundacion para el Desarrollo de la Ecologia (PO#185176)	Bolivia	\$ 10,000.00
Centro de Estudios Avanzados en Ecología y Biodiversidad - Pontificia Universidad Catolica de Chile (Coordinadora: Petra Wallem PO#175803 PO#)	Chile	\$ 10,000.00
Subsecretaría de Areas Protegidas y Biodiversidad	Dominican Republic	\$ 9,740.00
Facultad de Ciencias - UDELAR PO#210693 Coordinador:	Uruguay	\$ 8,700.00
Universidad Central de Venezuela	Venezuela	\$ 4,300.00
Ministerio de Medio Ambiente y Recursos Naturales	Salvador	\$ 10,000.00
Administración de Parques Nacionales	Argentina	\$ 10,000.00
Pollinators		
Universidad Nacional de Colombia. (PO#170373, 198892) Coordinator: Carlos Sarmiento	Colombia	\$ 10,000.00
Red de Accion de Agricultura Alternativa y CONAM. (PO#170057) Coordinator: Alfonso Lizarraga, Angie Burgos, Gregory Garcia	Peru	\$ 10,000.00
Universidade de S. Paulo. Coordinator: Vera Fonseca, Isabel dos Santos, Astrid Matos (PO#187245)	Brazil	\$ 15,000.00
Smithsonian Tropical Research Institute (PO#219762 Coordinator: Steve Paton)	Panama	\$ 15,000.00
Universidad de San Carlos USAC	Guatemala	\$ 10,000.00
Pontificia Universidad Católica de Valparaiso	Chile	\$ 10,000.00
EMBRAPA	Brazil	\$ 10,000.00
Asociación GUYRA Paraguay (PO # 219793 Coordinator: Cristina Morales)	Paraguay	\$ 10,000.00
Universidade Federal do Paraná	Brazil	\$ 9,924.00
Universidade Federal do Maranhao	Brazil	\$ 9,940.26
Universidad Central del Ecuador (PO#218367) Coordinator: Patricio Ponce	Ecuador	\$ 10,000.00
Universidad de las Américas	México	\$ 2,948.00

Grantor	Country	IABIN Funds
Protected Areas		
Comisión Nacional del Medio Ambiente (CONAMA)	Chile	\$ 14,079.00
Consejo Nacional de Áreas Protegidas (CONAP)	Guatemala	\$ 10,000.00
Dirección Nacional de Medio Ambiente	Uruguay	\$ 10,000.00
Land and Surveys Department	Belize	\$ 10,000.00
National Environment and Planning Agency	Jamaica	\$ 10,000.00
Subsecretaría de Áreas Protegidas y Biodiversidad	Dominican Republic	\$ 9,960.00
Ministerio de Medio Ambiente y Recursos Naturales	El Salvador	\$ 9,500.00
TOTAL		\$ 1,107,951.20