



GBIF monthly update - September 2013

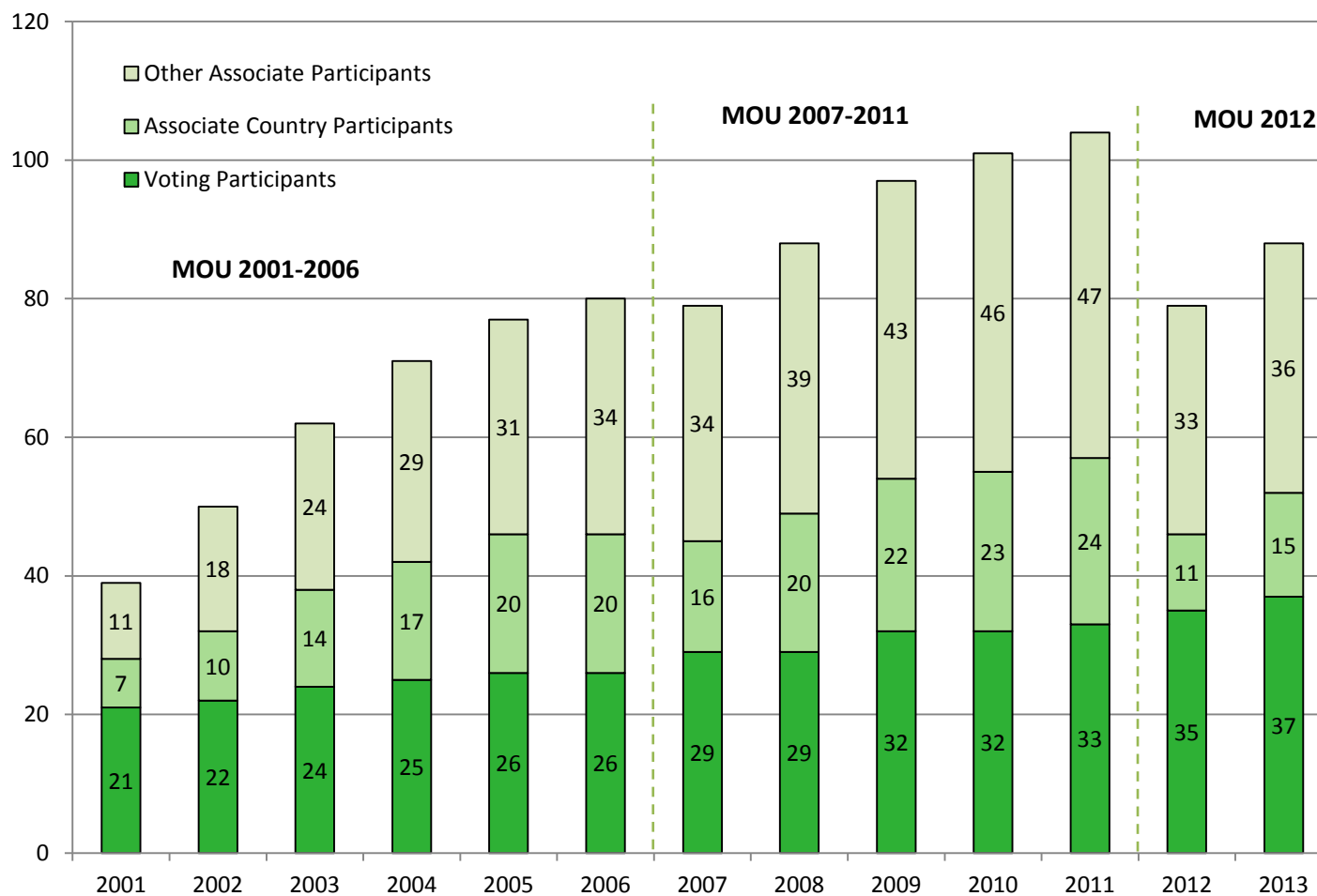
Latest news

- [Global Biodiversity Informatics Outlook on agenda for upcoming CBD SBSTTA meeting](#)
- [Rio Botanic Gardens publishes herbarium data - first Brazilian publisher since Brazil joined GBIF](#)
- [VertNet joins as Associate Participant](#)
- [Task group recommendations on data mobilization](#)

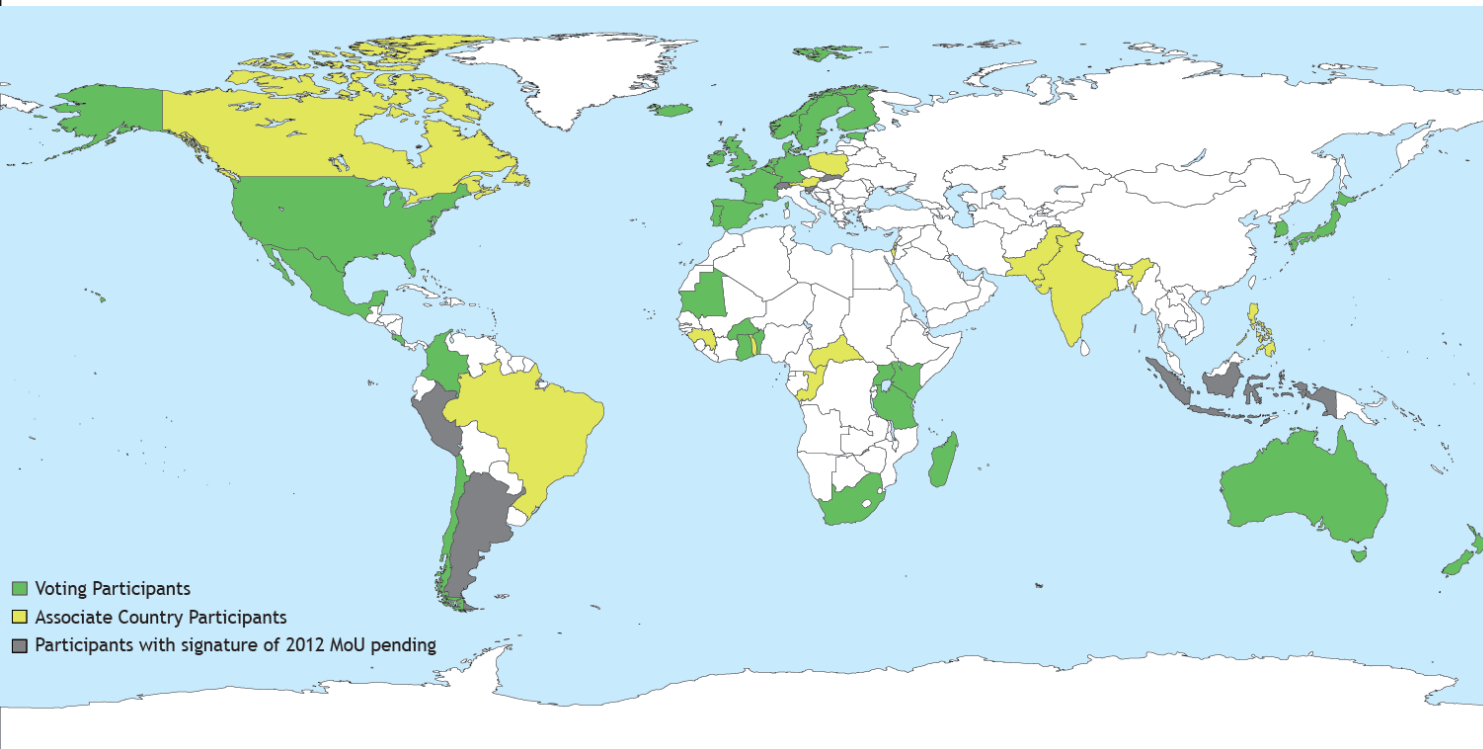
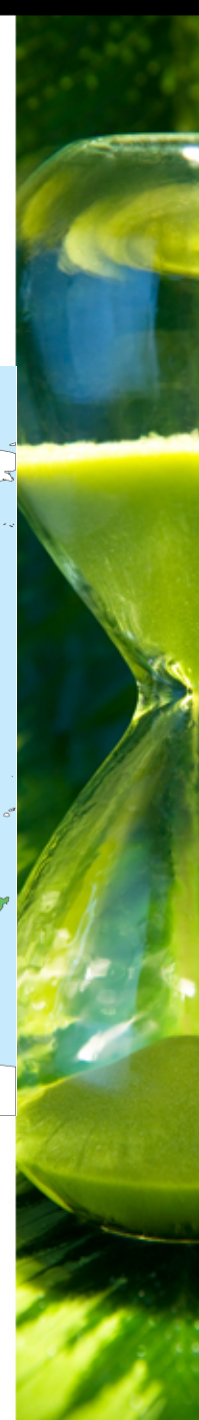


GBIF participation information

GBIF participation 2001-2013



GBIF country participants



GBIF participation

Voting Participants

1. Andorra (*moved from ACP*)
2. Argentina *
3. Australia
4. Belgium
5. Benin (*moved from ACP*)
6. Burkina Faso (*moved from ACP*)
7. Chile
8. Colombia (*moved from ACP*)
9. Costa Rica
10. Denmark
11. Estonia
12. Finland
13. France
14. Germany
15. Ghana (*moved from ACP*)
16. Iceland
17. Ireland
18. Japan
19. Kenya
20. Madagascar (*moved from ACP*)
21. Mauritania
22. Mexico
23. Netherlands
24. New Zealand
25. Norway
26. Peru *
27. Portugal
28. Republic of Korea
29. Slovakia *
30. Slovenia *
31. South Africa
32. Spain
33. Sweden
34. Tanzania
35. Uganda (*moved from ACP*)
36. United Kingdom
37. United States

Associate Country Participants

1. Austria
2. Brazil
3. Canada (*moved from VP*)
4. Central African Republic
5. Guinea
6. India
7. Indonesia *
8. Israel
9. Luxembourg
10. Pakistan
11. Philippines
12. Poland
13. Republic of Congo
14. Switzerland *
15. Togo

Other Associate Participants

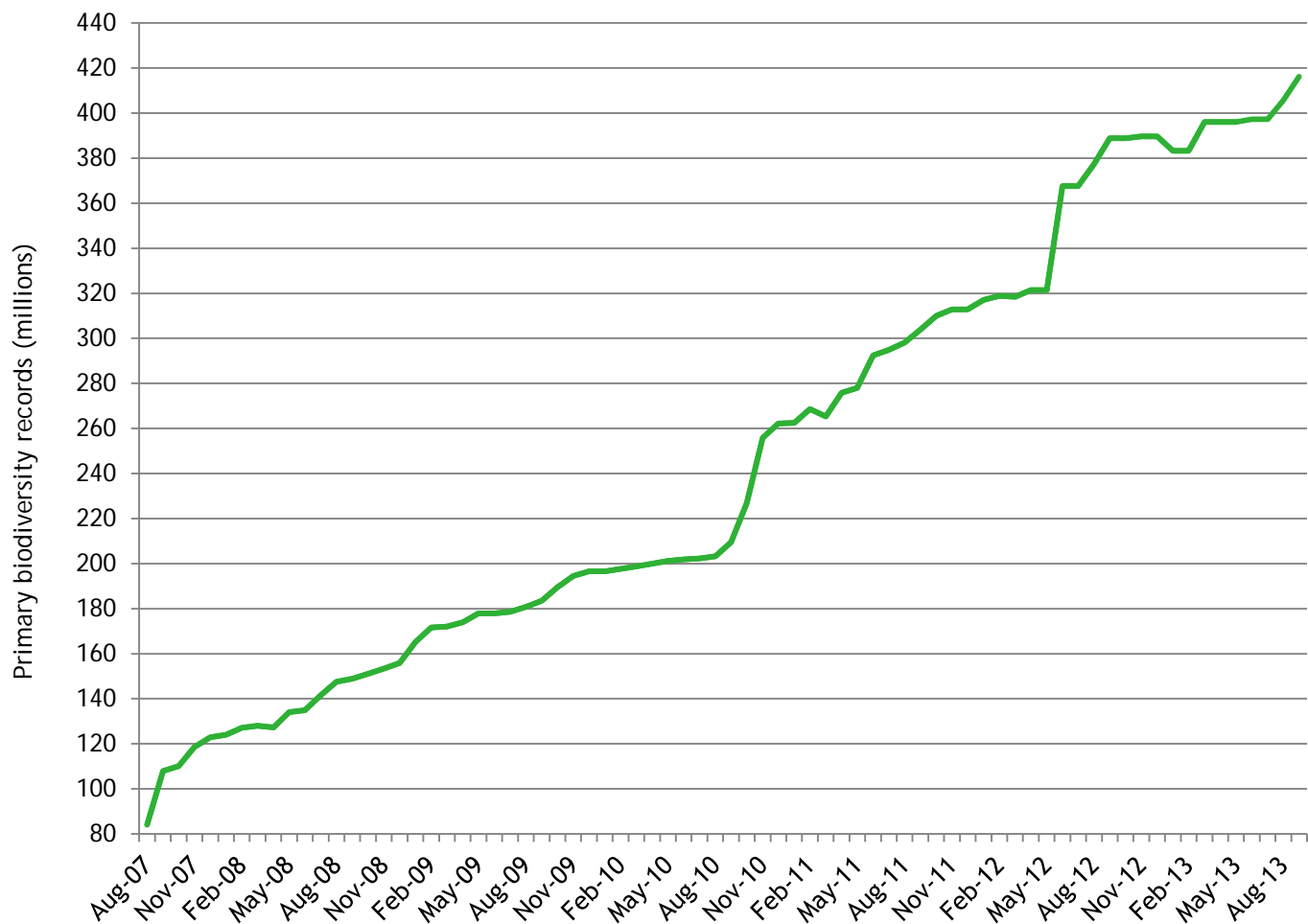
1. ASEAN Centre for Biodiversity (ACB)
2. Albertine Rift Conservation Society (ARCOS)
3. BioNET-Andionet
4. BioNET-INTERNATIONAL
5. Bioversity International
6. Botanic Gardens Conservation International (BGCI)
7. Chinese Taipei
8. Ciencia y Tecnología para el Desarrollo (CYTED)
9. Consortium for the Barcode of Life (CBOL)
10. Consortium of European Taxonomic Facilities (CETAF)
11. Discover Life
12. DIVERSITAS
13. Encyclopedia of Life (EOL)
14. Endangered Wildlife Trust (EWT)
15. ETI Bioinformatics
16. European Environment Agency (EEA)
17. ICLEI - Local Governments for Sustainability
18. Integrated Taxonomic Information System (ITIS)
19. International Barcode of Life Consortium (iBOL)
20. International Centre for Insect Physiology and Ecology (ICIPE)
21. International Centre for Integrated Mountain Development (ICIMOD)
22. International Long-Term Ecological Research Network (ILTER)
23. Natural Science Collections Alliance (NSCA)
24. NatureServe
25. NordGen
26. Ocean Biogeographic Information System (OBIS) *
27. Pacific Biodiversity Information Forum (PBIF)
28. Scientific Committee on Antarctic Research (SCAR)
29. Society for the Management of Electronic Biodiversity Data (SMEBD)
30. Society for the Preservation of Natural History Collections (SPNHC)
31. Species 2000
32. TDWG
33. UNEP-WCMC
34. VertNet
35. Wildscreen
36. World Federation for Culture Collections (WFCC)

* Signature of 2012 MoU pending, previous status shown.



Data publication and use

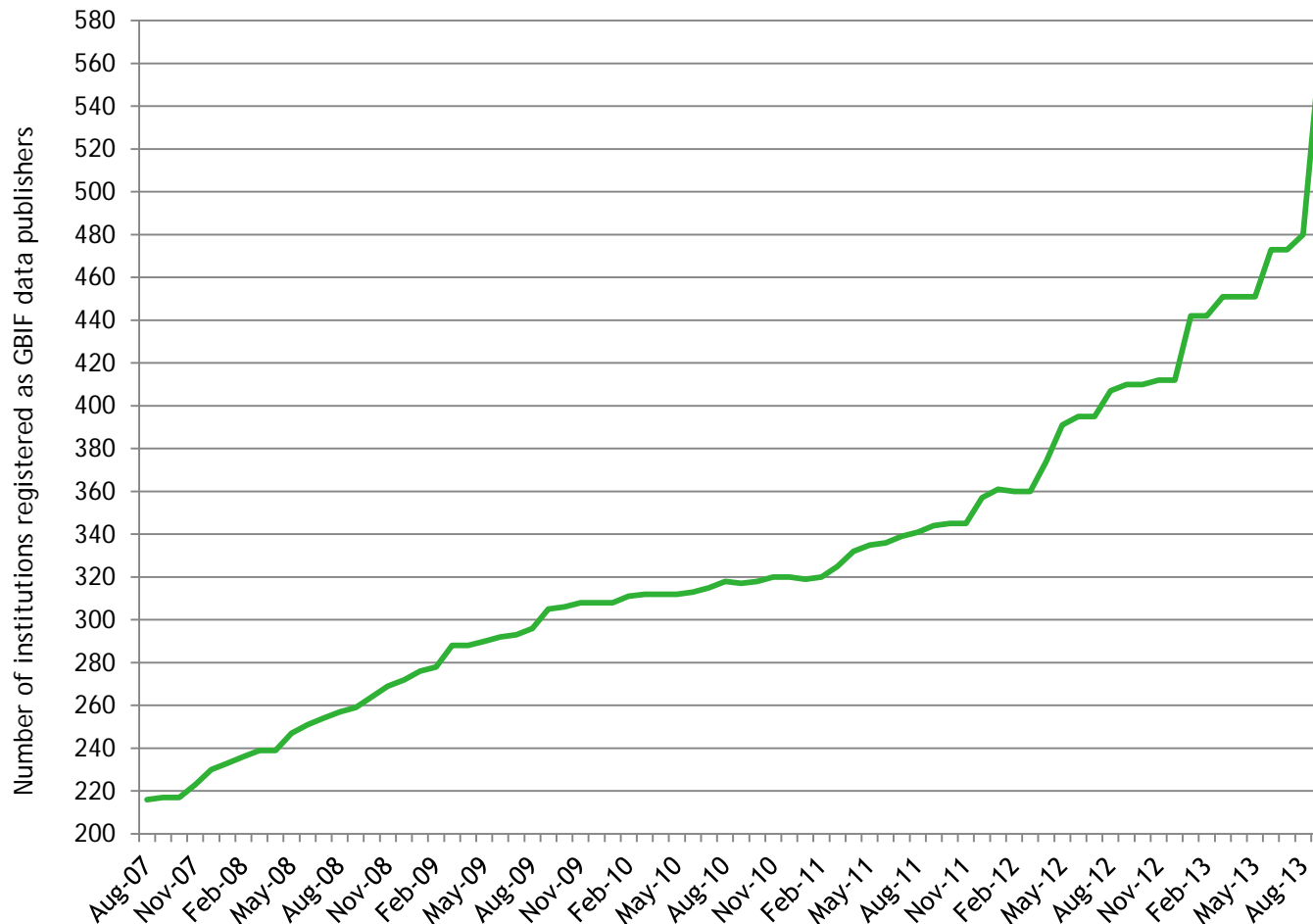
Data published through GBIF



A modest decline in the total number of data records in January 2013 resulted from deletion of duplicates and withdrawn data, identified through software and processing upgrades.



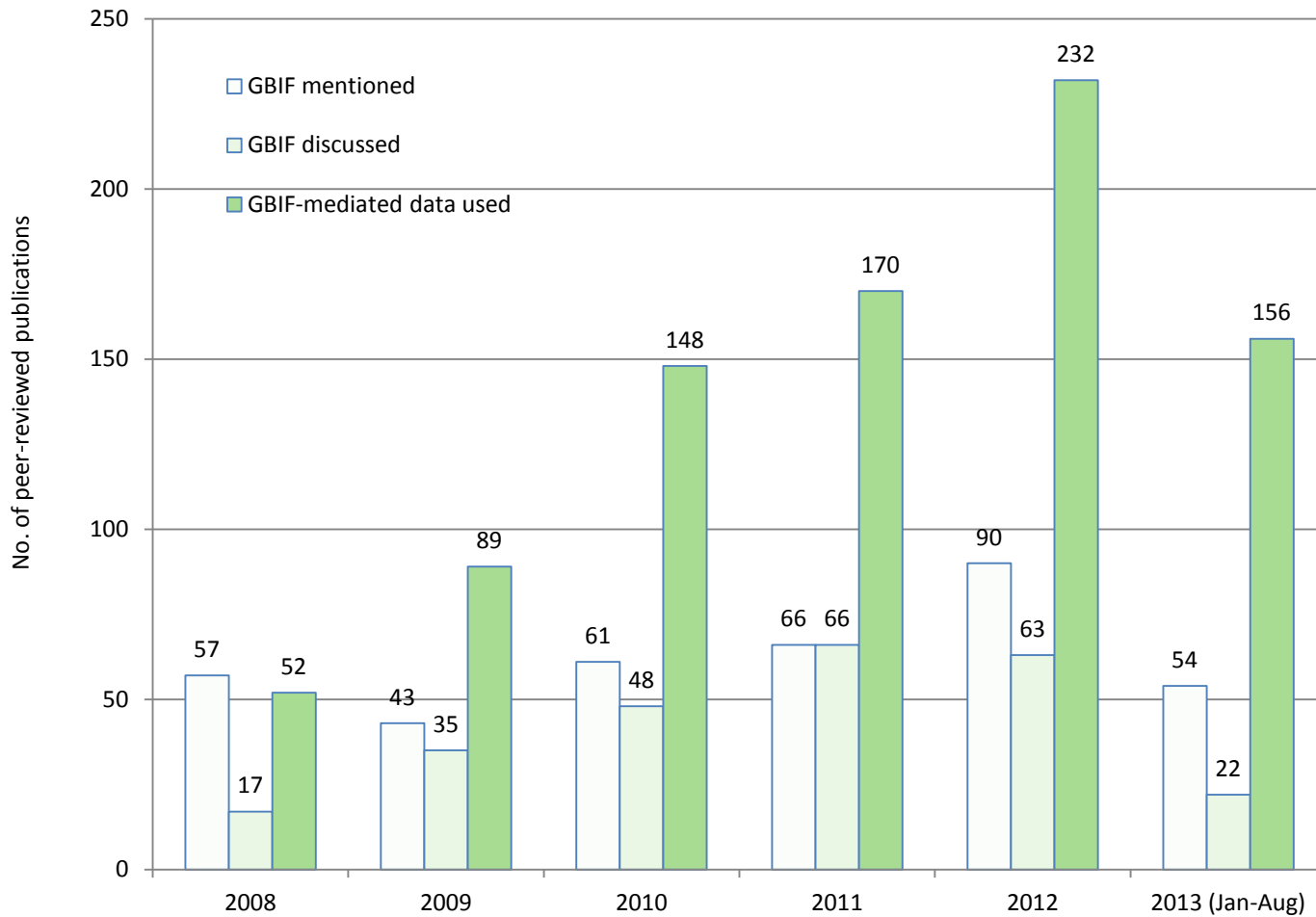
GBIF data publishers



A sharp rise in the number of data publishers in September 2013 results from institutions choosing to register as separate entities rather than sharing datasets through a single publisher at their national node institution. This helps to raise the visibility and branding of the institutions, and provides more accurate attribution, especially in the new GBIF portal coming online shortly.



GBIF citation in research



GBIF Work Programme

2013 Work Programme progress

Highlights from latest update:

- 1.1.2 Report completed on accommodating sample-based data
- 2.2.1 Call for early adopters of Nodes Portal Toolkit Startup
- 4.2.1 Significant progress enhancing new GBIF portal in response to feedback from testing environment
- 5.2.2 Global Biodiversity Informatics Outlook (GBIO) layout completed, on agenda for CBD SBSTTA meeting in October



WP 2013 - 1: Data publishing framework

Activity	Due	Status	Notes
1.1.1 Strategy & action plans	4Q2013	On track	2 best practice guides near release, task group report released
1.1.2 Connect new data types	4Q2013	On track	May workshop on extending Darwin Core for sample data: workshop report completed and in process of being submitted to Standards in Genomic Science; partnerships with environmental impact assessment, local government and invasive alien species communities: roadmap delayed to 4Q 2013
		Delayed	
1.2.1 Next generation IPT	4Q2013	On track	Release 2.0.5 in 2Q 2013, release 2.1 in 3Q 2013
1.2.2 Other publishing tools	3Q2013	Cancelled	Insufficient funds and no existing commitments
1.2.3 Fitness for use tools	4Q2013	On track	Merged with 4.2.1 as part of new GBIF Data Portal
1.2.4 Expediting data digitization and mobilization	2Q2013	Delayed	Establishment of task group under way
1.3.1 Data papers	4Q2013	On track	Three Participant proof-of-concept activities ongoing; staff exploring linkages with key journals adopting data papers; session at TDWG on scholarly data publishing accepted
1.3.2 Citation mechanisms	4Q2013	On track	Merged with 4.3.3 as part of new GBIF Data Portal

Deliverables produced

- Workshop on Extending Darwin Core held (1.1.2);
- IPT 2.0.5 released (1.2.1);
- Data paper training workshops held in Spain and India. Two data papers published as an outcome of the Spanish workshop, several in the pipeline (1.3.1).
- Report of the Content Needs Assessment Task Group published (1.1.1)

Scope reductions /schedule changes

Owing to 2013 budget reductions, the scope of the following activities has been reduced, as agreed at GB19:

- 1.1.1 – Funding for external contracts has been removed
- 1.2.2 – Cancelled to save funds since no specific commitments existed in this area
- 1.2.3 – Funding for external contracts has been removed
- 1.2.4 – Funding for external contracts has been removed

Issues and risks

- Reductions in development staff may delay implementation of recommendations from DwC workshop on sample data

Budget: 80,000€ (reduced at GB19 from 160,000€)

Expenditure (to end August):

50,423€



WP 2013 - 2: BIF-building package

Activity	Due	Status	Notes
2.1.1 Updated tools and services inventory	4Q2013	Delayed	The Online Resources Centre (www.gbif.org/orc) now displays extra information about tools as a preparatory stage for revision of tools list by Nodes
2.1.2 Updated manuals and guides	4Q2013	On track	Secretariat carrying out review of existing and required documentation
2.2.1 NPT initial development	3Q2012	On track	Call for early adoption programme distributed to the Nodes Committee. In response to the NPT Startup review results, Secretariat has started further ICT development improving NPT Startup v1.0 Release Candidate 1.
2.2.2 NPT release	4Q2013	On track	Merged into 2.2.1
2.2.3 NPT further development	2Q2013	On track	Merged into 2.2.1
2.3.1 Welcome box	2Q2013	On track	Inadequate funds for new developments. Minor update completed.
2.3.2 BIF start-up kit	4Q2013	Cancelled	Inadequate funds

Deliverables produced

- First version of the NPT Startup (<http://nptstartup.gbif.org/>) (2.2.1);
- NPT Startup review completed (http://www.gbif.org/orc/?doc_id=5312 & http://www.gbif.org/orc/?doc_id=5311) (2.2.1)
- Welcome Box version 2013 (http://www.gbif.org/orc/?doc_id=3096) (2.3.1)

Scope reductions /schedule changes

Owing to 2013 budget reductions, the scope of the following activities has been reduced, as agreed at GB19:

- 2.1.1 – Process and targeted product simplified
- 2.3.1 – New developments cancelled owing to inadequate funds
- 2.3.2 – Cancelled owing to inadequate funds

Issues and risks

- NPT development tied to a positive response and concrete development proposals by Nodes

Budget: 116,000€ (reduced at GB19 from 130,000€)

Expenditure (to end August):

0€



WP 2013 - 3: Global collaboration platform

Activity	Due	Status	Notes
3.1.1 Training programme	3Q2013	On track	Inadequate funds for regional training support call; remaining funds reserved to support training in key areas
3.1.2 Mentoring programme	4Q2013	On track	3 mentoring projects approved and funded; communication sent out to Nodes Committee; several mentoring projects from previous years in closing stages.
3.1.3 CEPDEC programme	3Q2013	On track	Sud Expert Plantes développement durable (SEPDD) proposal sent out, awaiting funding approval
3.2.1 Network assessment	4Q2013	On track	Feedback collected from Nodes on country page drafts, data quality experiences
3.2.2 Communications platforms	4Q2013	On track	Work continuing to migrate/author content for new GBIF portal; NPT communications platforms under reorganization; minor updates to Community Site
3.2.3 Distributed helpdesk	3Q2012	Cancelled	Funding for hiring support staff removed
3.3.1 PR & outreach strategy	4Q2013	On track	Ongoing support from Secretariat to recruit and support Participants
3.3.2 Strategic partnerships	3Q2013	On track	Continuing engagement in GEO BON, CReATIVE-B, CBD, IPBES, Eye on Earth
3.3.3 Nodes committee	3Q2013	On track	Organization of Global Nodes Meeting and training for GB20 on track, including registration for specific activities; drafting of regional highlight reports started
3.3.4 Network for internationalisation	4Q2013	Cancelled	Translations produced as in-kind contributions by Participants.

Deliverables produced

- Generic GBIF brochure translated into Spanish, simplified Chinese and French.
- GBits newsletter translated into traditional Chinese by TaiBIF and Japanese by GBIF Japan.
- Three mentoring projects approved and funded.
- Interest group on biodiversity informatics training created (<http://community.gbif.org/pg/groups/30748>)

Scope reductions/schedule changes

Owing to 2013 budget reductions, the scope of the following activities has been reduced, as agreed at GB19:

- 3.1.1 – No call for training projects in 2013
- 3.2.1, 3.2.2, 3.2.3 - Funding for external contracts has been removed
- 3.3.4 – Funding for external contracts has been removed

Issues and risks

- Regional collaboration around training may lose momentum without work programme funding
- Engagement by non-English speakers may be impacted if key resources not available in other languages
- Secretariat Participation team on reduced capacity due to parental leave

Budget: 168,000€ (reduced at GB19 from 200,000€) **Expenditure (to end August):** 53,018€



WP 2013 - 4: Global data infrastructure

Activity	Due	Status	Notes
4.1.1 System architecture overview	2Q2013	Delayed	Documentation under development for Registry and web services API. Other documents delayed through staff reductions. Report on GBIF informatics architecture prepared for EU BON partners
4.1.2 Exchange standard and protocol guidelines	1Q2013	Delivered Delayed	Mostly complete. Documentation for use of persistent identifiers delayed to ensure coordination with 4.3.5
4.2.1 Increased discovery and access	4Q2013	On track	Significant progress dealing with feedback from testing environment for the new GBIF portal ahead of October launch, more than 700 issues resolved.
4.2.2 Improved performance	4Q2013	On track	Included as part of new GBIF Data Portal
4.2.3 Global registry	4Q2013	On track	Included as part of new GBIF Data Portal
4.3.1 Annotation service	4Q2013	Delayed	Evaluating options. Implementation delayed
4.3.2 Analytics service	2Q2013	Delayed	Implementation delayed
4.3.3 Citation service	4Q2013	On track	Included as part of new GBIF Data Portal
4.3.4 Vocabulary services	4Q2013	Delivered	Prototype systems in place for vocabulary management
4.3.5 Identifier services	4Q2013	On track	Included as part of new GBIF Data Portal; consultation note <i>Stable Identifiers for GBIF-mediated data</i> circulated to Participants for feedback

Deliverables produced

- Reports on Knowledge Organization Systems for biodiversity (4.1.2)
- Prototype vocabulary and schema management systems (4.3.4)

Scope reductions /schedule changes

Owing to 2013 budget reductions, departing staff have not been replaced, resulting in delayed schedules:

- 4.1.1 – Reductions in staffing will delay work on system architecture documentation until 4Q2013 and beyond
- 4.3.1 – Delayed until after launch of new Data Portal owing to reductions in staffing.
- 4.3.2 – Delayed until after launch of new Data Portal owing to reductions in staffing (but see 5.1.3).
- 4.3.3 – Will continue as progressive enhancements beyond 2013

Issues and risks

- Departing staff (equivalent to 2.5 full-time staff) have not been replaced. This has placed severe pressure on development schedules and introduced the risk of further slippage in delivery of function.

Budget: 110,000€ (reduced at GB19 from 360,000€)

Expenditure (to end August):

49,595€



WP 2013 - 5: Assess biodiversity information

Activity	Due	Status	Notes
5.1.1 Comprehensive baselines and targets	3Q2013	On track	Developing taxonomic, temporal and geospatial indicators for mobilised content. Baselines already developed for data usage. First comprehensive assessment of GBIF mediated data published in Biodiversity Informatics special issue.
5.1.2 Monitoring mechanism toward targets	4Q2013	On track	Developing scripts to monitor taxonomic, temporal and geospatial indicators. Progress metrics under development for inclusion in WP 2014-2016.
5.1.3 Assessment of GBIF impacts	4Q2013	On track	Quarterly assessments will be implemented using indicators from 5.1.1 and scripts from 5.1.2. Levels and examples of data use in published research reported in Gbits Science Supplement and annual Science Review accompanying 2012 Annual Report; reports on specific thematic usage areas are under development.
5.1.4 Evaluation of WP 2012-13	4Q2013	On track	Full evaluation of WP progress reported to mid-term committee meetings (Apr/May 2013). Annual Report for 2012 published in June 2013. Draft WP 2014-16 circulated to Governing Board for approval at GB20
5.2.1 Review of progress in biodiversity information	4Q2013	On track	Reports on the availability, quality, fitness and impact of mobilised content will be developed by the end of 2013.
5.2.2 Global Biodiversity Information Conference/Outlook	4Q2013	On track	GBIO layout completed, document in press and website under development. GBIO incorporated into CBD SBSTTA agenda and being actively promoted by CBD.

Deliverables produced

- Monitoring and reporting well established for peer-reviewed papers using GBIF-mediated data. First annual Science Review published alongside 2012 Annual Report (5.1.3, 5.1.4).
- Internal data mining infrastructure established to enable indicator assessment (5.1.2).

Scope reductions

Owing to 2013 budget reductions, the scope of the following interconnected activities is reduced, as agreed at GB19:

- 5.1.1 – Baselines/targets will not be developed at this time for the GBIF publishing and discovery frameworks
- 5.1.3 – Impact assessment will not be carried out at this time for the GBIF publishing and discovery frameworks
- 5.2.1 – Report will not be produced at this time on publishing and discovery mechanisms

Issues and risks

- Additional budget cuts may affect capacity to monitor peer-reviewed literature as well as some data-mining activities.

Budget: 30,000€ (reduced at GB19 from 90,000€)

Expenditure (to end August):

36,794€



GBIF funding and affiliations

GBIF funding

Contributing agencies:

Argentina	CONICET - Museo Argentino de Ciencias Naturales
Australia	CSIRO Entomology
Benin	Laboratoire des Sciences Forestières
Burkina Faso	Conseil National pour la Gestion de l'Environnement (SP/CONAGESE)
Chile	Comisión Nacional del Medio Ambiente (CONAMA)
Colombia	Instituto de Investigación de Recursos Biológicos
Costa Rica	Asociación Instituto Nacional de Biodiversidad (INBio)
Denmark	Danish Natural Research Council
Estonia	Ministry of Environment
Finland	Finnish Museum of Natural History
France	Direction Générale pour la Recherche et l'Innovation (DGRI)
Germany	Deutsche Forschungsgemeinschaft (DFG) German Aerospace Center, BMBF
Ghana	Council for Scientific and Industrial Research (CSIR)
Iceland	Ministry for the Environment
Ireland	National Parks & Wildlife Service
Japan	Japan Science and Technology Agency
Madagascar	Centre National de Recherches sur l'Environnement (CNRE)
Mauritania	Ecole Normale Supérieure de Nouakchott
Mexico	Consejo Nacional de Ciencia y Tecnología (CONACYT)
Netherlands	Ministry of Education, Culture and Science
New Zealand	Ministry of Research, Science and Technology
Norway	The Research Council of Norway
Portugal	Foundation for Science and Technology
Republic of Korea	Ministry of Education, Science and Technology
Slovak Republic	Ministry of the Environment
Slovenia	Ministry of Higher Education, Science and Technology
South Africa	Department of Science and Technology
Sweden	Swedish Research Council
Tanzania	Tanzania Commission for Science and Technology (COSTECH)
Uganda*	Uganda National Council for Science and Technology
United Kingdom	Department for Environment, Food and Rural Affairs (DEFRA) Natural Environment Research Council (NERC) Royal Botanic Gardens, Kew Natural History Museum, London Joint Nature Conservation Committee
USA	National Science Foundation Smithsonian Institution U.S. Department of State U.S. Department of Agriculture

Externally received grants:

University of Copenhagen (IT equipment)
University of Copenhagen (salary subsidy)
i4Life
ViBRANT
OpenUp!
CReATIVE-B (GBIC/GBIO)
Aage V Jensen Charity Foundation (GBIC/GBIO)
JRS Biodiversity Foundation (GBIC/GBIO)
EU BON
EMODNET 2



GBIF current affiliations

1. Biodiversity Indicators Partnership (BIP) - partner
2. Encyclopedia of Life (EOL) - council
3. Eye on Earth Biodiversity Special Initiative - partner
4. Global Invasive Alien Species Information Partnership (GIASIP) - partner
5. Global Partnership for Plant Conservation (GPPC) - partner
6. Group on Earth Observations (GEO) - participant
7. Group on Earth Observations Biodiversity Observation Network (GEO-BON) - steering committee member
8. European Biodiversity Observation Network (EU BON) - participant
9. LifeWatch Policy & Science Board - member
10. Convention on Biological Diversity (CBD) - observer
11. Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) - observer
12. Biodiversity Knowledge Network for the European Union (KNEU), member of dialogue group.

