**Agenda of 2024.12 Regular monthly Meeting of GBIF Asia WG**

**(2024-12-5, ZOOM ID: 811 8164 8604; PWD: 932760)**

**0.Focus: What you do in the next?**

GBIF Strategic Framework 2023-2027

**1.Science and Research**

Author: Xiaoting Xu , Sichuan University, China

Title: Building genus level distribution for flowering plants

\* Discussion

**2.Policy and Partnerships**

**3.Community and Capacity**

Author: Meiling Piao, Institute of Botany, Chinese Academy of Sciences

Title: How to make a regional GBIF newsletter

\* Discussion

**4.Infrastructure and data products**

Author: Huiyuan Liu, Institute of Botany, Chinese Academy of Sciences

Title: Local Registry of Scientific Collections in Plant Science, a GBIF GRSciColl-like project in China

\* Discussion

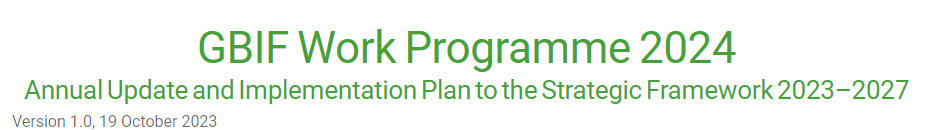
1. **More Discussion**

**\* How to join the newsletter design and sharing.**

**\* How to invite experts to give a warm-up presentation in every group meeting.**

**\* Each Group: How to develop regional plans by GBIF Strategic Framework.**

**\*How to co-author a case studies report in Asia for GBIF data and Open Sciences and SDGs.**



[https://docs.gbif.org/2024-work-programme/en/](https://docs.gbif.org/2024-work-programme/en/#ongoing-activities-to-support-community-and-capacity)

### Priority Area 1-Scientific and Research: Building the evidence to advance scientific research and understanding of global biodiversity

#### **Objectives**

* Reduce knowledge gaps by helping the network to set targets for consolidating data coverage across thematic, taxonomic, phylogenetic, spatial and temporal dimensions.
* Enable, expand and diversify the uptake and application of GBIF-mediated data.
* Support the evolution of fundamental data-driven biodiversity research and its application across methods, scales and disciplines in life and environmental sciences.
* Ensure meaningful data exchange and reuse of data through citations and measurements, promoting and consistently applying accepted standards that adhere to best practices and sustain the highest aspirations in open and data-intensive science.
* Increase GBIF’s relevance to research, promote recognition, expand involvement and improve best practices for data in academia and higher education.

### Priority Area 1-Ongoing activities to support science and research

1. Maintain GBIF’s literature tracking programme to document and communicate the use of GBIF-mediated data in research (€10,000 from core funding for DataCite fee)
2. Promote best practices in data citation using digital object identifiers (DOIs), through outreach to researchers and journal publishers
3. Highlight and illustrate uses of GBIF-mediated data across scientific disciplines and thematic areas through GBIF.org and the annual [Science Review](https://www.gbif.org/science-review" \t "https://docs.gbif.org/2024-work-programme/en/_blank)
4. Continue engagement with thematic communities prioritized in previous Work Programme (soil and freshwater); keep priority thematic relevance areas under regular review, based on outcomes achieved and on advice of the Science Committee and expert groups convened for this purpose
5. Capture needs and suggestions from research communities regarding the development of the GBIF data model
6. Ensure presence of GBIF representatives—including through Secretariat and node staff, regional contractors and Open Biodiversity Data Ambassadors—at relevant scientific conferences with appropriate communication materials, presentations and training workshops
7. Run annual competitions through the [Ebbe Nielsen Challenge](https://www.gbif.org/article/1G82GL7jw08kS0g6k6MuSa/" \t "https://docs.gbif.org/2024-work-programme/en/_blank) and [Graduate Researchers Awards](https://www.gbif.org/article/44SftFORi0A6mwGK4sgAKW/" \t "https://docs.gbif.org/2024-work-programme/en/_blank)(€20,000 from core funding in 2024)
8. Work with partners to maintain and improve support for academic programmes in use of open biodiversity data
9. Keep GBIF’s compliance with FAIR principles for scientific data management and stewardship under continuous review, with appropriate communication and certification for relevant projects and processes

### Priority Area 2-Policy and Partnerships: Supporting policy responses and knowledge transfer that address urgent societal challenges around planetary change

#### **Objectives**

* Develop high-impact programmes that frame themes related to the biodiversity data needs for key societal challenges, including biodiversity loss, climate change, food security and human health.
* Strengthen capacity for use of data to contribute to local, national, regional and global biodiversity-related goals, joining with partners to support application of data in policy-relevant information tools and products.
* Work with intergovernmental policy partners to provide decision-makers with a more complete global view of biodiversity status and trends, including the use of GBIF-mediated data to generate indicators and to track essential biodiversity variables.
* Enhance GBIF’s relevance to policy and decision-makers by creating and maintaining deeper collaborative engagement, through multilateral environmental agreements, UN agencies and science-policy platforms.
* Refine messaging to help GBIF target and engage with a wider range of stakeholders.

### Priority Area 2-Ongoing activities to support policy and partnerships

1. Attend CBD meetings and engagement in consultations and working groups as an observer inter-governmental organization
2. Attend IPBES plenary meetings and actively engage in the IPBES Task Force on Data and Knowledge, as well as the IPBES Task Force on Capacity Building, in GBIF’s role as an IPBES strategic partner
3. Engage with GEO BON through participation in the Advisory Board and partnerships with regional and thematic BONs
4. Continue engagement with IUCN to implement the Memorandum of Cooperation, including regular imports of checklist data from the Red List of Threatened Species and the Global Register of Introduced and Invasive Species (GRIIS)

\* NB: Inside each country, what can you do to engage the government activities.

### Priority Area 3-Community and Capacity: Enabling the network to meet future needs and challenges

#### **Objectives**

* Ensure that GBIF nodes provide a strong and stable foundation for data mobilization and use through the network.
* Increase national participation while strengthening engagement of existing voting participants, including in GBIF governance and decision-making.
* Develop solutions that increase meaningful participation in the GBIF community by reducing linguistic barriers and providing capacity development and programme support.
* Maximize GBIF’s impact by pursuing collaborations across a growing community of partners.
* Foster greater openness and transparency through distributed open-source development of shared infrastructure, targeted campaigns for data mobilization and data use, and joint public and private partnerships.
* Leverage and diversify funding sources to direct financial support toward strategic growth, especially in biodiversity-rich areas, while maintaining core funding through voting participants.

### Priority Area 3-Ongoing activities to support community and capacity

1. Organize annual calls for projects under the Capacity Enhancement Support Programme (CESP): €80,000 from core funds for 2024
2. Continue to support proposals for hosted portals, and to support the Living Atlases community including contribution towards the cost of a technical coordinator
3. Provide ongoing support for documentation, including formatting and translation capabilities
4. Operate effective communication channels that produce and disseminate news items and thematic content on GBIF.org and in social media, regular opt-in and publisher newsletters, and ongoing communications to the nodes
5. Continue cycle of biennial regional nodes meetings (€40,000 core funding to support 2024 meeting costs, other costs expected to be met from supplementary funds including BID)
6. Organize events to engage GBIF Heads of Delegation and node managers attending other international meetings including through the CBD and IPBES
7. Coordinate work of volunteer mentors, ambassadors and regional support contractors
8. Support Biodiversity Information Standards (TDWG) community through financial and organizational contributions towards annual meetings

### Priority Area 4-Infrastructure and data products: Driving innovation to advance biodiversity-related knowledge

#### **Objectives**

* Sustain and improve a robust, environmentally responsible technical infrastructure capable of providing the most accurate, up-to-date, interoperable and reusable data available.
* Evolve and adapt data standards and models to enable routine generation of increasingly complex, integrated and comprehensive biodiversity data.
* Improve data quality by ensuring rapid, efficient identification and resolution of errors and issues.
* Strive toward operating a real-time biodiversity monitoring infrastructure that reduces barriers and delays to integrating current data.
* Use the convening power of GBIF to continue to drive the coordination and advancement of the global biodiversity informatics community.

### Priority Area 4-Ongoing activities to support infrastructure and data products

1. Combined cost of contractors across priority area 4: €287,000 from core funds
2. Software maintenance (upgrades, bug fixes, capture and handling of change requests, added functionality) and user support (IPT, hosted portals, GBIF.org, GRSciColl, registry, ChecklistBank and taxonomic backbone builds)
3. Hardware maintenance (purchases, installation, supervision/monitoring, optimization, operation planning, screening of future needs)
4. Infrastructure upgrades to the latest possible versions of widely used frameworks and cluster technology (web services stack, search engines, distributed data platforms)
5. Systems support (monitoring and remediation of risks from technical debt, operational supervision and issue handling)
6. In-house support (error diagnostics, installation support, load tracking, training)
7. General help desk support through email and GitHub
8. Data user support (maintenance of rgbif and pygbif libraries, custom downloads, API use) and publisher support (IPT, data formats, error diagnostics, custom metrics); training support through webinars, individual appointments, documentation, videos and workshops