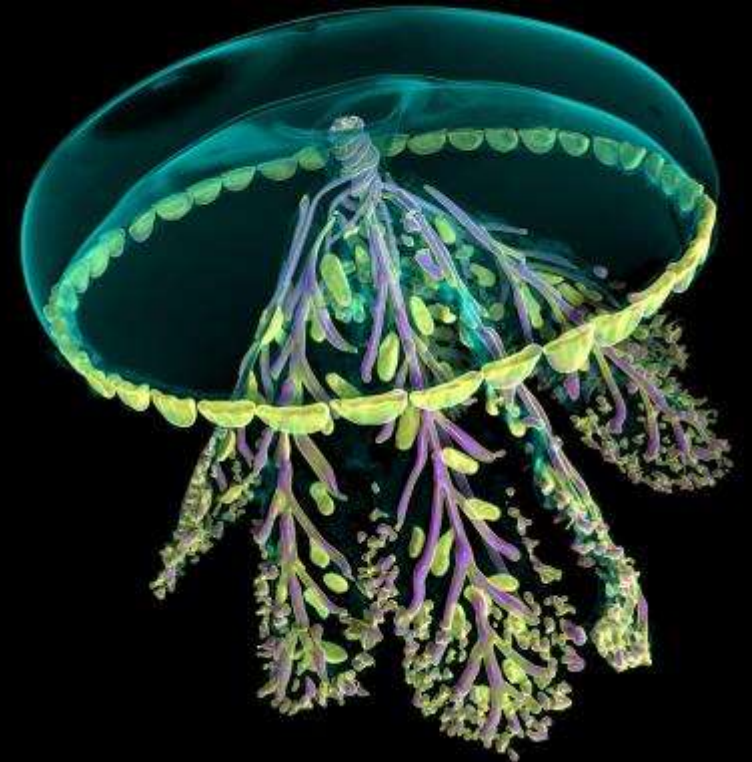


## Work package 5

### NA5: Internationalisation and engagement of new user communities in EC priority areas

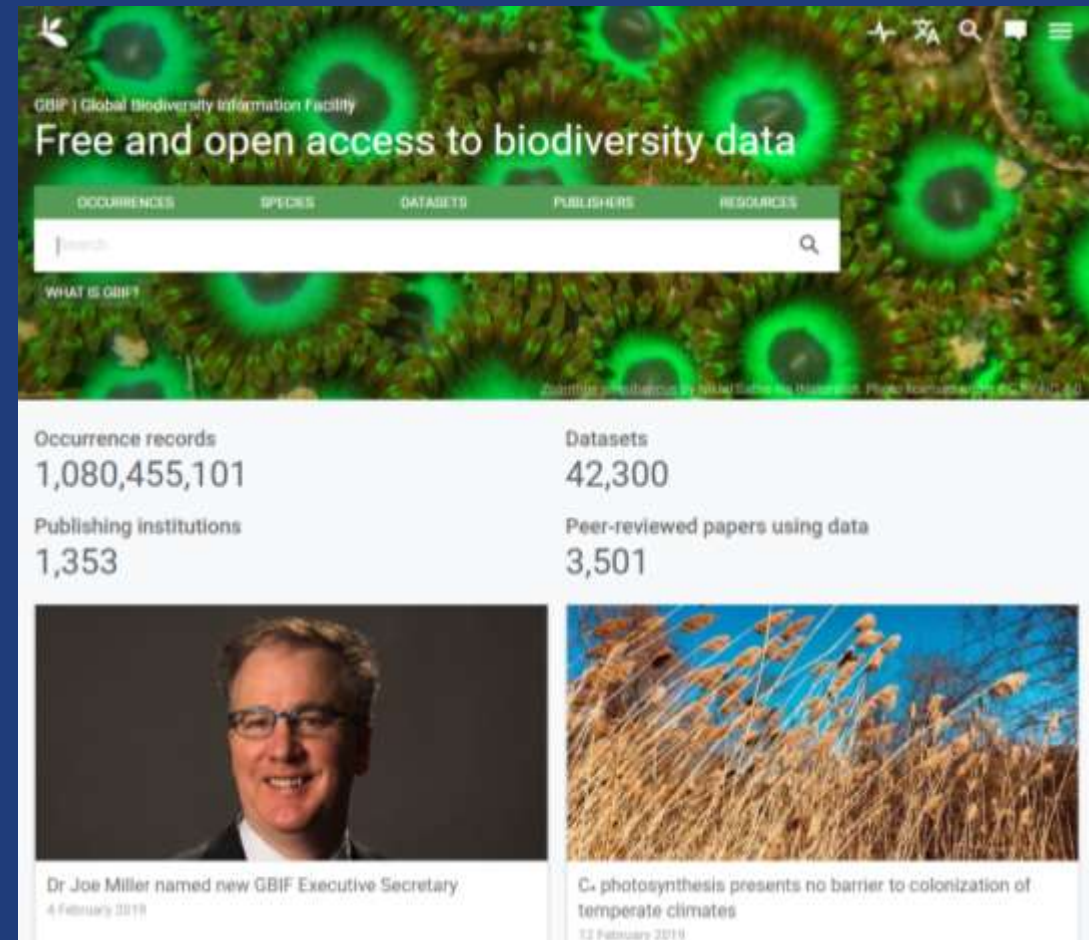
Donald Hobern, GBIF Director (to 31 March 2019)

Tim Robertson, GBIF Head of Informatics



Link SYNTHESYS+ and DiSSCo with work in the GBIF network and other regions (ADBC/iDigBio in US, ALA in Australia, etc.)

- Global effort to mobilise biodiversity data
- Support data standards and publishing
- Infrastructure to index biodiversity data
- Engagement in global scale efforts such as CoL, GRSciCol
- Focus on capacity enhancement and training



GBIF | Global Biodiversity Information Facility

## Free and open access to biodiversity data

OCCURRENCES SPECIES DATASETS PUBLISHERS RESOURCES

Search

WHAT IS GBIF?

Occurrence records 1,080,455,101	Datasets 42,300
Publishing institutions 1,353	Peer-reviewed papers using data 3,501

Dr Joe Miller named new GBIF Executive Secretary  
4 February 2018

C<sub>4</sub> photosynthesis presents no barrier to colonization of temperate climates  
22 February 2018

## Internationalisation and engagement of new user communities

International roadmaps for biodiversity infrastructure

Expanding geographic coverage

Alignment and coordination with major EU stakeholders

### Implementation roadmaps for priority infrastructure areas

- GBIF lead
- Focus on areas of importance for DiSSCo
- Workshops and international consultation
- White papers to contribute to “alliance” roadmap

### Expanding geographic involvement

- MfN lead
- Focus on SE Asia and eastern Europe
- Establish collaborative projects to increase engagement
- Report on findings, lessons learned and best practices

### Engaging society and industry as RI users

- CETAF lead
- SMEs, industry, local authorities, schools, etc.
- Establish exemplar engagement activities
- Report on findings, lessons learned and best practices

### European biodiversity infrastructures stakeholder forum

- Naturalis lead
- Engagement with ESFRIs, EOSC, etc.
- <https://riscape.eu/>
- Develop vision and strategy for DiSSCo’s role in this landscape

## Work Package Deliverables

### Roadmap for integrated implementation of priority component areas

- Links with post-GBIC2 alliance goals
- Designs and recommendations for robust infrastructure across regions and categories of data
- Input from stakeholders in all regions
- Inform implementation of DiSSCo and biodiversity informatics globally

### Report from engagement activities with taxonomic facilities in priority regions

- Outcomes and lessons learned from projects to engage with extralimital TAFs
- Guidance for implementation of DiSSCo and future development of CETAF

### Report from engagement with new user communities

- Outcomes and lessons learned from projects to engage with industry and public sector
- Guidance for implementation of DiSSCo and future development of CETAF

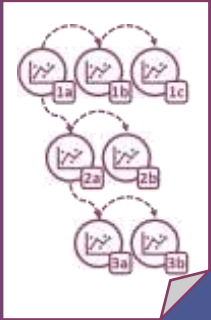
### Whitepaper on opportunities for increased alignment with other EU infrastructures

- Strategic positioning for DiSSCo
- Rationale for future investments in individual infrastructures and across the landscape

### Whitepaper on partnering with other infrastructures to ensure sustainable delivery of SYNTHESYS+ services

- Strategic positioning for DiSSCo
- Rationale for future investments in individual infrastructures and across the landscape
- Promote rationalization of investments and services
- Stimulate collaborative developments

## Dissemination Plans



### White papers

- Roadmaps for infrastructure implementation
- Recommendations and lessons learned for DiSSCo



### Wider community

- Communicate via GBIF, TDWG, iDigBio, ALA, etc.
- Share white papers and recommendations with ESFRIs, EOSC, etc.



### Conferences

- biodiversity\_next
- TDWG, SPNHC
- Society conferences



### Online consultations

- GBIF-led web consultations to inform and refine roadmaps and recommendations



## Key connectivity to DiSSCo and global biodiversity informatics

Propose models  
and best  
practices for  
DiSSCo

Facilitate  
seamless links  
between DiSSCo  
and GBIF, CoL,  
BHL, BOLD, etc.

Contribution to  
post-GBIC2  
alliance for  
biodiversity  
knowledge

### Urgent need for effective delivery of knowledge to respond to biodiversity crisis

- Expand ambition to massive digital integration for taxonomy, biogeography and biodiversity monitoring
- Move towards global virtual natural history collection
- Deliver essential biodiversity variables

### Need to engage all relevant actors

- Remove unnecessary duplication and boundaries between infrastructures
- Overcome regional differences in engagement
- Build strong relationships with industry and public sector

### Prepare for massive upscaling of data streams

- eDNA
- Remote sensing
- Automated monitoring
- Machine learning approaches





- Kick-off meeting/online consultation to prioritise topics
- Series of consultation workshops (part of larger series with GBIF et al.)
- Two European stakeholder forum workshops
- biodiversity\_next
- Key stakeholders

GBIF, NHM, NHMW, RBINS , RMCA, BGM, CETAF, NMP, BGBM, MFN, SGN, SMNS, ZFMK, UCPH, CSIC, LUOMUS, MNHN, HCMR, HNHN, HUJI, Naturalis, NRM, RBGE, RBGK, Smithsonian GGBN

- Diversity of existing systems across Europe
  - Manage complexity
  - Handle community expectations
  - Focus on simple, robust solutions
- Limited funds for engagement activities with industry and TAFs
  - Only small projects feasible
  - Challenge to extract generalizable lessons

**Any questions?**

