

# Global Biodiversity Information Conference 2



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Global "Outlooks":

e.g. World Economic Outlook (IMF)

Global Biodiversity Outlook 1-5 (CBD)

Global Environment Outlook 1-6 (UNEP GEO; GEO1-6)

Global Waste Management Outlook (UNEP) etc.

Global Biodiversity Informatics Conference 1 (GBIF) 2012

Global Biodiversity Informatics Outlook (GBIF)

Global Biodiversity Information Conference 2 (GBIF) 2018

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GBIO:

“...preserving and restoring biodiversity and maintaining the planet’s ecosystem services.”

1. Biodiversity informatics does not merely contribute towards meeting these goals: it is fundamental to achieving them.
2. The Global Biodiversity Informatics Outlook (GBIO) offers a framework for reaching a much deeper understanding of the world’s biodiversity, and through that understanding the means to conserve it better and to use it more sustainably

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## GBIO Focus Areas A-D: Culture, Data, Evidence, Understanding

A: Open Access and re-use culture; Data Standards; Persistent Storage and Archives; Policy Incentives; Biodiversity Knowledge Network

B: Published Materials; Collections and Specimens; Field Surveys and Observations; Sequences and Genomes; Automated Remote-sensed observations

C: Fitness-for-use and Annotations; Taxonomic Framework; Integrated Occurrence Data; Aggregated Species Trait Data; Comprehensive Knowledge Access

D: Mutli-scale Spatial Modelling; Trends and Predictions; Modelling Biological Systems; Visualization and Dissemination; Prioritizing New Data Capture

<https://assets.ctfassets.net/uo17ejk9rkwj/7Kj8EyXDwW2IUWKK2WYOaE/85947f585b9c6255c9b72b9325ba44b6/GBIO.pdf>

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The intention is to establish a viable mechanism for the international community to agree priorities and design and deliver an interconnected information infrastructure for all aspects of biodiversity, all via collaborative distributed efforts.

1. A conference in Copenhagen in the last week of July, followed by
2. wide international consultation before
3. finalizing a strategy document.

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“The Global Biodiversity Informatics Outlook helps to focus effort and investment towards better understanding of life on Earth and our impacts upon it. It proposes a framework that will help harness the immense power of information technology and an open data culture, to gather unprecedented evidence about biodiversity and to inform better decisions.”

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“A critical opportunity for us to accelerate and improve management and access to biodiversity information for the entire global community. Achieving these goals would simultaneously assist with modernization of international taxonomic efforts, with implementation of the biodiversity component to fit into earth observing systems, and with implementing the Sustainable Development Goals.”

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## What now? In Europe?

	2012	2018	2012	2018	2012	2018	2012	2018	2012	2018
<b>Assessment and indicators</b>										
Under- standing	Multi-scale Spatial Modelling		Trends, Predictions		Modelling Biological Systems		Visualization, Dissemination		Prioritizing New Data Capture	
	***		**		*		**		**	
Evidence	Fitness-for-use, Annotations		Taxonomic Framework		Integrated Occurrence Data		Aggregated Species Trait Data		Comprehensive Knowledge Access	
	***		****		****		**		***	
Data	Published Materials		Collections, Specimens		Field Surveys, Observations		Sequences, Genomes		Autom. Remote-sensed Observations	
	***		****		****		****		**	
Culture	Open Access		Data Standards		Persistent Archives		Policy Incentives		Biodiversity Knowledge Network	
	***		****		**		**		**	



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Documentation to be carried out in open international collaboration.

Outstanding questions:

Governance?

Technical Support?

Coordination?

Funding?