



## 3<sup>rd</sup> SCIENCE FOR BIODIVERSITY FORUM

### *Mainstreaming Biodiversity for well-being: Contributions from Science*

December 1 and 2, 2016

Cancun

*International Convention Center*

Mexico

*The forum aims to be a meeting place to share  
Knowledge, approaches and solutions for mainstreaming biodiversity especially on  
agriculture fisheries, forestry and tourism, among scientists, policy - makers, and the civil  
society*

### Agenda

#### December 1<sup>st</sup>

##### **08:00 – 09:00 Registration**

##### **9:00 – 9:30 Opening Remarks**

The meeting will be opened by Mr. Rafael Pacchiano, Minister of Environment and Natural Resources of Mexico, Mr. Braulio Ferreira de Souza Dias, Executive Secretary of the Convention of Biological Diversity, Mr. Jose Sarukhán, President of CONABIO, Mrs. Anne Larigauderie, Executive Secretary of the Intergovernmental Platform on Biodiversity and Ecosystem Services, IPBES and Mrs. Nathalie Fomproix, Executive Director the International Union of Biological Diversity, IUBS.

The morning session will cover practical aspects of mainstreaming biodiversity, and the interlinkages of sustainability and resilience, and what this means for social-ecological systems.

##### **9:30 – 10:00 - Keynote**

“Mainstreaming biodiversity and sustainability for well-being”

Mrs. Julia Carabias, UNAM

Moderator: Ciara Raudsepp-Hearne, QCBS/BBI

**10:00 – 11:00 – Panel discussion: Mainstreaming biodiversity, sustainability & sectors:**  
concrete examples

## Speakers:

- Fisheries: Xavier Basurto, Duke University
- Forests: Robin Chazdon, University of Connecticut
- Tourism: Valeria Souza, UNAM
- Agriculture: Devra Jarvis, Bioversity International

Moderator: Sonia Peña, IUCN

11:00 – 11:30 – Coffee Break

11:30 – 12:10

Panel discussion: Resilience & sustainability -economic, ecological, and social aspects.

- Biodiversity, resilience and sustainability, Rashid Sumaila, University of British Columbia
- Biodiversity and resilience, Rodolfo Dirzo, Stanford University
- Resilience and sustainability, a social-ecological system perspective, Elena Bennett, McGill University
- Power relations in mainstreaming biodiversity Unai Pascual, Basque Centre for Climate Change, BC3

12:10 – 13:00 - **Plenary discussion**

Moderator: Balakrishna Pisupati, UNEP

13:00 – 14:00 – Lunch

14:00 – 18:00 – Parallel panel breakout sessions (#3)

### **Session A: Sustainable use and mainstreaming biodiversity in fisheries *Costa Maya 1***

Strategies for fisheries to be sustainable and still generate economic benefits. Impacts of human activities in the oceans, projections and alternatives for mainstreaming.

Moderator: Cristiana Seixas, UNICAMP

**Keynote** Governance & fisheries conservation, Xavier Basurto, Duke University

*Panel discussion:*

- Mr. Nils Stenseth, IUBS/CEES, U Oslo

- Mr. Rashid Sumaila, UBC
- Mr. Enrique Montes, USF

15:30 – 15:50 – Coffee Break

15:50 – 18:00

**Discussion.** Practical successes, challenges, gaps

Moderator: Cristiana Seixas, UNICAMP.

### **Session B: Integrating approaches across the landscape Costa Maya 2**

Different approaches for landscape arrangements for mainstreaming biodiversity into the agriculture and forestry sectors.

Moderator: Unai Pascual, BC3

**Keynote** Ecosystem and land cover change mapping in Mexico using satellite technology.  
Rainer Ressler, CONABIO

#### **The impact of land-cover change on biodiversity:**

*Panel discussion:*

- Peter Kevan, IUBS/ICPBR The role of pollinators
- Ingolf Steffan-Dewenter, U. Würzburg Ecological intensification
- Rodrigo Medellín, UNAM

#### **Land-sparing/land-sharing**

*Panel discussion:*

- Ralf Seppelt, UFZ
- Luis Garcia Barrios, ECOSUR
- Brij Mohan Singh, ICIMOD

15:30 – 15:50 – Coffee Break

15:50 – 18:00

#### **Forests restoration, conservation and sustainable use.**

**Keynote.** The role of secondary forests in conserving biodiversity, mitigating climate and sustaining livelihoods. Robin Chazdon, U. Connecticut

Panel discussion:

- Trond Norheim, Danida
- Miguel Martínez Ramos, UNAM
- Raman Sukumar, India

**Discussion** Integrating agriculture, forestry and conservation: approaches across the landscape

Moderator: Ciara Raudsepp-Hearne, QCBS/BBI

### Session C: Access and Benefit Sharing (ABS) Costa Maya 3

This session will explain the Nagoya Protocol and the meaning of access, fair and equitable benefit sharing as well as compliance under national legislations, what is traditional knowledge and utilization.

Moderator: Andreas Drews, ABS Initiative/GIZ

Speakers:

Introductory remarks, Edda Fernandez Luiselli, SEMARNAT, National Focal Point

An explanation of the Nagoya Protocol, Kathryn Garforth, CBD secretariat

ABS in practice, Balakrishna Pisupati, UNEP

- Panel on how it is being implemented in India, Brazil, and Mexico (TBC)

15:30 – 15:50 – Coffee Break

15:50 – 16:40

#### Practices on Benefit-sharing from research:

This segment will identify the range of non-monetary benefits available from scientific research, briefly introduce Annex 1 of NP and discuss how to improve their delivery and use.

- Christopher Lyal, NHBM, London
- Lily Rodriguez, DFG/IUBS

16:40 – 18:00

#### Best practices and other tools supporting compliance by users

This part will present existing codes of conduct/best practices for different types of organisms and groups of research. It will also discuss other tools

Panel discussion:

- Christopher Lyal, NHBM, London
- China Williams, RBG Kew
- Lily Rodriguez, DFG/IUBS
- Kate Davis, BGCI
- Elleli Huertas, CONABIO

18:00 – 20:00 - **POSTER SESSION & KNOWLEDGE CAFÉ** (snacks&drinks available)

### Mainstreaming initiatives, experiences and approaches

A diversity of 65 **posters** displaying different approaches to mainstreaming biodiversity, mainstreaming cases in different sectors, successful conservation stories, tools and studies will be presented (18:15 – 19:00).

Ten parallel **knowledge –café** sessions (60 min each) will discuss different aspects of mainstreaming across sectors, and analyze some case studies. Approaches for managing the landscape (zoning, valuation, etc.); tools for trade-off harmonization of interests; trans-sectorial challenges and solutions; scaling-up policies and successes will be discussed and summarized.

### December 2<sup>nd</sup>

The morning session will discuss the interrelationships among human well-being, ecosystem services and the functions of ecosystems; valuation across scales and governance; advances, gaps of knowledge and challenges, especially focusing on connections with climate change and human health, as important services provided by biodiversity, to finish in plenary discussing the integration of biodiversity in the tourism sector.

9:00 – 10:00

#### Plenary Session: Biodiversity, ecosystem function & ecosystem services

**Keynote** Assessing biodiversity, ecosystem services and well-being. Sandra Díaz, Universidad Nacional Córdoba/CONICET/IPBES

Moderator: Ciara Raudsepp-Hearne, QCBS/BBI

#### Panel discussion:

Speakers:

- Elena Bennett, McGill U, Research gaps in ecosystem services
- Patricia Balvanera, CIECO, UNAM- multiples values and benefits from nature
- Jasmin Godbold, Univ. of Southampton's, Marine biodiversity functioning

10:00 – 11:00 – Parallel panel breakout sessions (#3)

**Session A: Biodiversity valuation for biodiversity mainstreaming and better governance: a contribution from the Future Earth Natural Assets Knowledge-Action Network Costa Maya 3**

In this session, the panelists will address how approaches and tools on biodiversity valuation can contribute to mainstreaming biodiversity in different sectors, and how it can lead to better governance of natural assets. The session discussion will build on the plenary session on biodiversity, ecosystem functions, and ecosystem services and it will be an opportunity to launch the Future Earth Natural Assets Knowledge-Action Network (KAN).

Moderator: Patricia Balvanera, UNAM

**Panel discussion:**

- Brigitte Baptiste, Humboldt Institute
- Rashid Sumaila, University of British Columbia
- Sandra Diaz, University of Cordoba
- Alejandra Echeverri, University of British Columbia
- Unai Pascual, BC3

**Session B: Biodiversity, resilience and climate change *Costa Maya 2***

This session will discuss solutions and challenges for mainstreaming biodiversity into climate change.

Moderator: Sakhile Koketso (CBD secretariat)

**Panel discussion:**

- Luis García Barrios, EOCSUR
- Jasmin Godbold, Univ. of Southampton's Oceanlab
- Robert Colwell, U. Colorado
- Trond Norheim, Danida

**Session C: Biodiversity and human health: *Costa Maya 1***

Mainstreaming biodiversity in human health, experiences, challenges and gaps.

Moderator: Cristina Romanelli, CBD secretariat

**Panel discussion:**

- Daniel Bausch U. Tulane/WHO
- Alisson Barbieri, U. Federal Rural do Rio de Janeiro, UFRRJ
- Nils Stenseth, CEES/IUBS

11:00 – 11:30 – Coffee Break

11:30 – 13:00 – Plenary session: **Mainstreaming biodiversity in tourism**

Moderator: Oliver Hillel, CBD secretariat

**Keynote:** Mainstreaming biodiversity in the tourism sector. Cristiana S. Seixas, Universidad de Campinas, NEPAM/UNICAMP

**Panel** discussion followed by a plenary discussion: Perspectives from different countries

- Ramana Athreya, IISER, India
- Aldrin Mallari, Philippines
- Kahlil Hassanali, Trinidad & Tobago
- Sem Shikongo, Namibia (TBC)

13:00 – 14:00 – Lunch

14:00 – 15:30

**Session: Developing and adapting tools across scales for biodiversity mainstreaming**

This session addresses three main tools of frequent use for planning, measuring and assessing progress; achievements, challenges and future needs.

**Plenary session:**

**Keynote:** The role of data generation and analysis for mainstreaming biodiversity into sustainability: the role of monitoring, data sharing, modeling and scenarios. Jorge Soberón, U. Kansas

14:30 – 15:30 – Parallel panel breakout sessions (#3)

**Session A: Modelling & scenarios: Costa Maya 3**

Panel discussion: How can they inform and contribute to decision-making processes and policies for mainstreaming biodiversity.

- Dennis Rödder, ZFMK
- Ralf Seppelt, UFZ
- Wolfgang Cramer, U. Montpellier
- Kerry Waylen, James Hutton Institute

Moderator: Elena Bennet, McGill U. (TBC)

**Session B: Panel on experiences in technical and scientific cooperation with a focus on the CBD's Bio Bridge Initiative Costa Maya 2**

This panel will address the role technical and scientific cooperation (TSC) in ramping up the mainstreaming of biodiversity across sectors and facilitate the sharing of good practices and successful approaches among countries and institutions.

Moderator: Erie Tamale, CBD secretariat

*Panel discussion:*

- Ciara Raudsepp-Hearne, QCBS/BBi
- Choong-Ki Kim, KEI
- Randall Garcia InBIO
- Tanya Abrahamse, SANBI

**Session C: Monitoring and thresholds for biodiversity losses**

Monitoring the nation's biological diversity. Michael Schmidt, CONABIO

Panel discussion: tools and challenges for monitoring impacts of mainstreaming on biodiversity

- Arturo Sanchez Azofeifa, University of Alberta
- Henrique Pereira, iDiv /GEOBON
- Marc Hockings, U. Queensland
- Francisco Dallmeier, Smithsonian Institution

Moderator: TBC

15:30 – 16:00 – Coffee break

16:00 – 17:00

**Plenary Session: Integrating approaches for mainstreaming biodiversity**

The session will particularly address barriers, opportunities and experiences in the application of alternative approaches for mainstreaming.

Moderator: Ulrike Troeger, GIZ

Panel discussion:

- Alejandro Ortega, Frontera Sur
- Jasmin Godbold, U. of Southampton's Oceanlab
- Kerry Waylen, James Hutton Institute, UK

17:00 – 18:00 – Knowledge - café

**Developing and adapting tools across scales for biodiversity mainstreaming; organizing, communicating and building capacities**

**(10) Parallel knowledge – café** focusing mainstreaming on tools for: land use-planning, modeling, scenarios, data availability & information needs to support mainstreaming; communicating scientists & policy-makers. Among others.



18:00 – 18:30 snacks & drinks available

18:30 – 20:00 **Closing panel discussion for a way forward**

- CBD Secretariat, CONABIO, BBI, IUBS, UNEP, IPBES, GIZ.

