



GEF-6

Biodiversity

Strategy

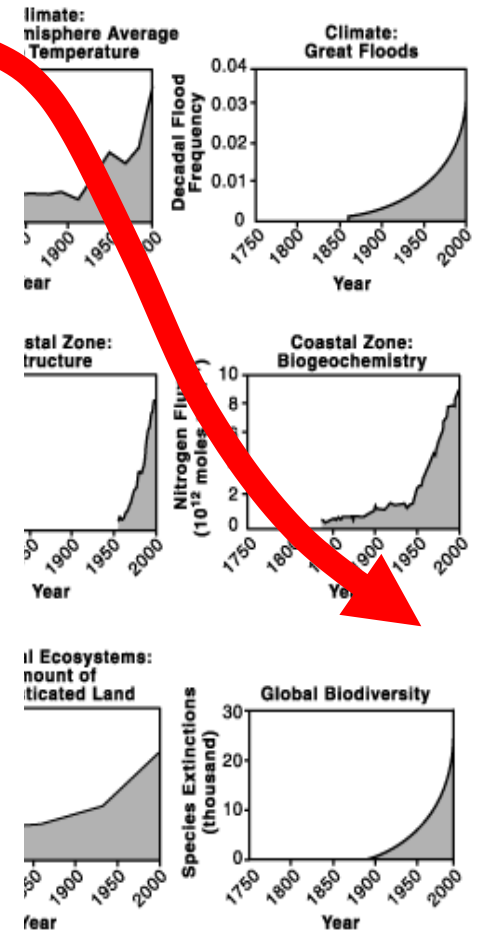
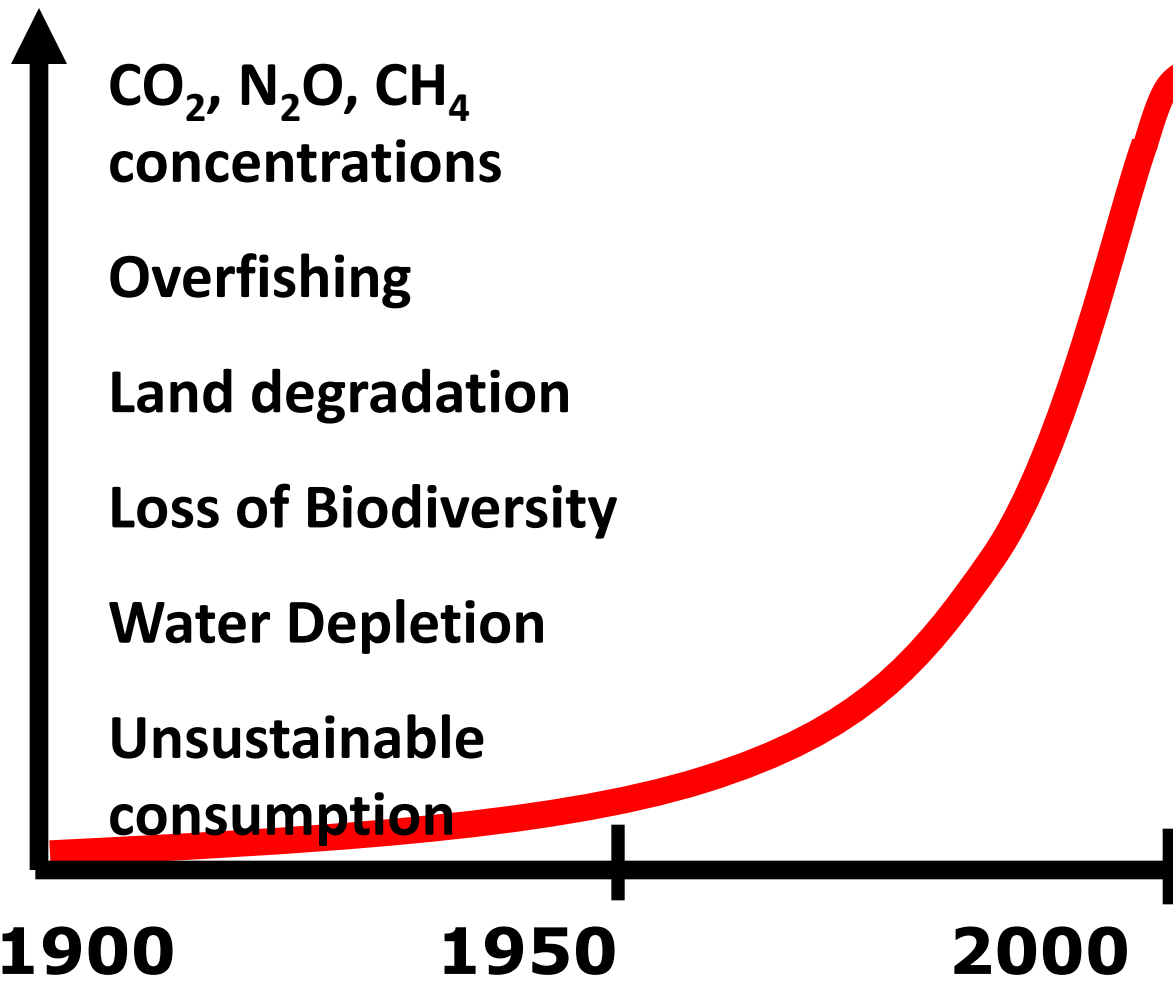
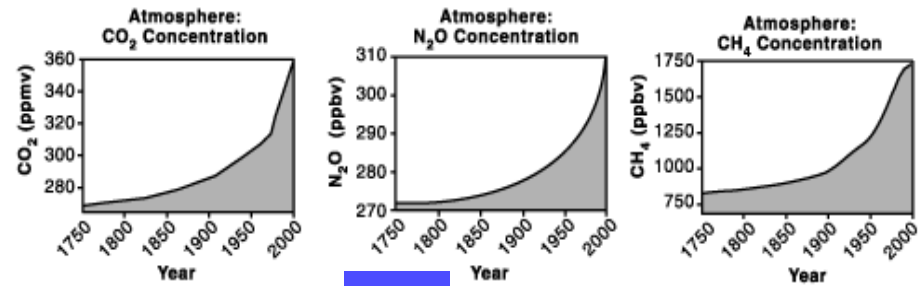
GEF-6 Biodiversity Strategy

- **Global Context and the GEF-6 Replenishment**
- **Biodiversity Strategy**
- **Big tent: Strategic Plan and the GEF**



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Global change with multiple effects



Anthropocene – humans influence the functioning of the Earth



Planetary Boundaries



FEATURE

A safe operating space for humanity

Identifying and quantifying planetary boundaries that must not be transgressed could help prevent human activities from causing unacceptable environmental change, argue **Johan Rockström** and colleagues.

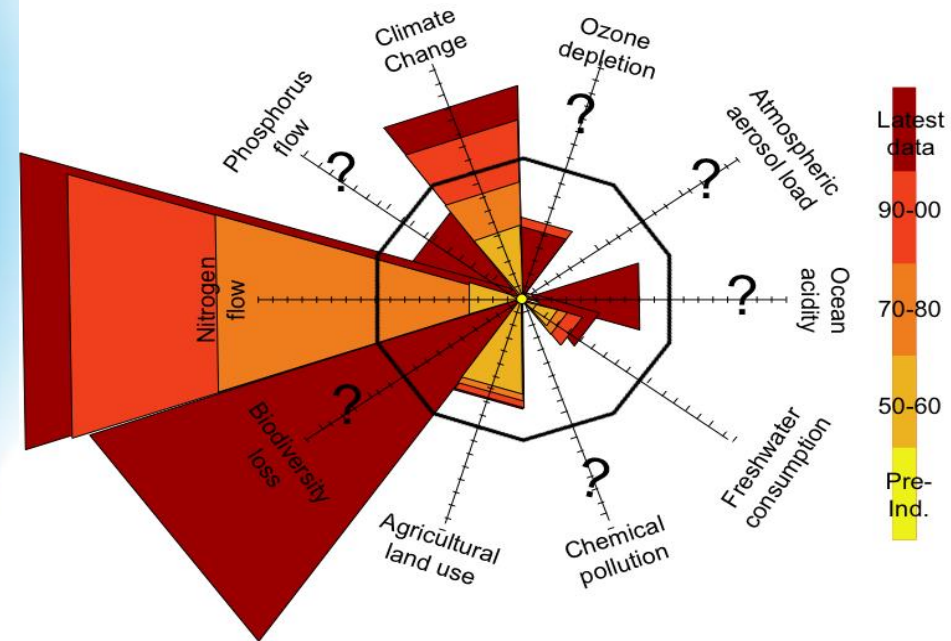
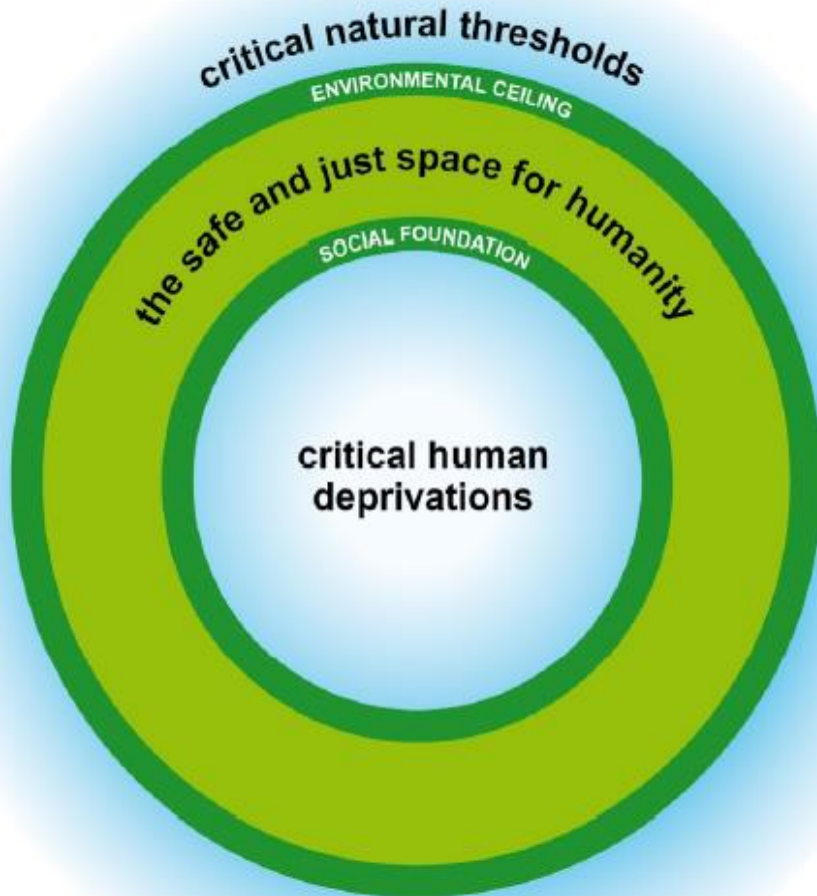
Although Earth has undergone many periods of significant environmental change, the planet's environment has been unusually stable for the past 10,000 years¹⁻³. This period of stability — known to geologists as the Holocene — has seen human civilizations arise, develop and thrive. Such stability may now be under threat. Since the Industrial Revolution, a new era has arisen, the Anthropocene⁴, in which human actions have become the main driver of global environmental change⁵. This could see human activities push the Earth system outside the



SUMMARY

- New approach proposed for defining preconditions for human development
- Crossing certain biophysical thresholds could have disastrous consequences for humanity
- Three of nine interlinked planetary boundaries have already been overstepped

industrialized forms of agriculture, human activities have reached a level that could damage the systems that keep Earth in the desirable boundaries define the safe operating space for humanity with respect to the Earth system and are associated with the planet's bio-



Drivers and pressures

Underlying socioeconomic trends

Population growth

Rising middle class

Urbanization

Indirect environmental drivers

Demand for food production

Demand for buildings

Demand for energy

Demand for transportation

Other

Direct environmental drivers

Agriculture production processes that produce food

Provision/use of transportation

Construction & use of buildings & other infrastructure

Production of electricity

Other

Environmental pressures

Pollution e.g., GHG's & ozone-depleting substances

Change in habitat and species loss

Introduction of invasive species

Over exploitation and harvesting

Other

Changes in state of environment

Atmosphere (climate)

Biodiversity

Land

Oceans

Freshwater

Driver interventions Pressure interventions



Changes in human welfare

Strategic targeting of drivers and pressures within GEF interventions is needed to deliver global environmental benefits at scale: impacts what we do, who we work with, and how we do it.

**One-off, site specific
driver-based
intervention**



**Driver-based
intervention
at scale**

**One-off, site
specific, pressure-
based intervention**

**Pressure-based
intervention at
scale**



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\$12.5
billion

Financing the Achievement of the

Aichi Targets

\$5-29 billion for GEF-6

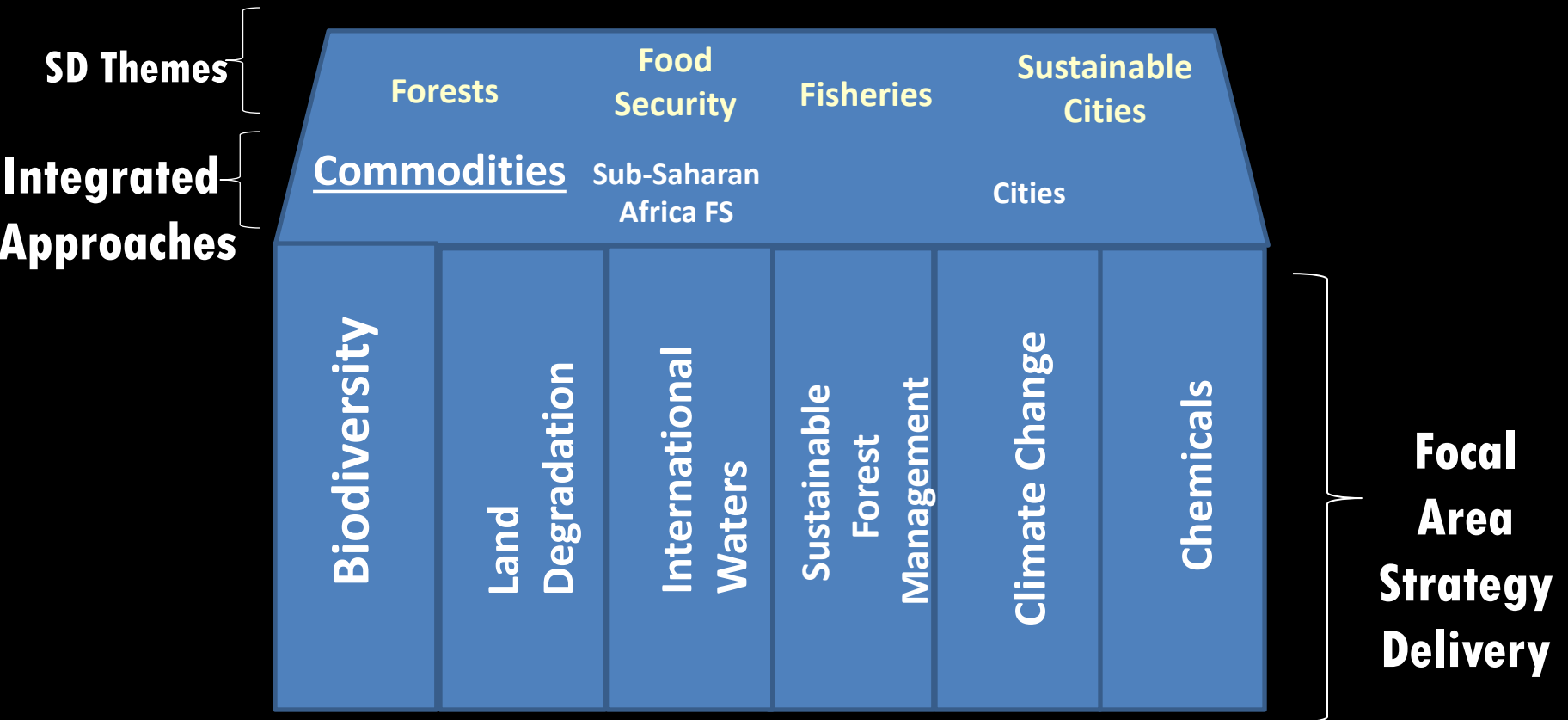
\$ 35-87 billion for GEF-6



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GEF-6

Refreshed Focal Area Strategies and “Integrated Approaches”



Biodiversity Focal Area

GEF-6 Strategy

Goal: To maintain globally significant biodiversity and the ecosystem goods and services that it provides to society.

Objectives:

- To improve sustainability of protected area systems.
- To reduce threats to biodiversity.
- To sustainably use biodiversity.
- To mainstream conservation and sustainable use of biodiversity into production landscapes/seascapes and sectors.



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Biodiversity Strategy: Objectives and Programs

Focal Area Objective	Focal Area Programs
Objective One: Improve sustainability of protected area systems	Program 1: Improving Financial Sustainability and Effective Management of the National Ecological Infrastructure
	Program 2: Nature's Last Stand: Expanding the Reach of the Global Protected Area Estate



Program 1: Sustainability of PA Systems



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Program 2: Expanding the Reach



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Biodiversity Strategy: Objectives and Programs

Focal Area Objective	Focal Area Programs
Objective Two: Reduce threats to globally significant biodiversity	Program 3: Preventing the Extinction of Known Threatened Species
	Program 4: Prevention, Control and Management of Invasive Alien Species
	Program 5: Implementing the Cartagena Protocol on Biosafety (CPB)



Program 3: Preventing Extinction



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Program 3: Preventing Extinction



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Program 4: IAS



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Program 5: Biosafety



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Biodiversity Strategy: Objectives and Programs

Focal Area Objective	Focal Area Programs
Objective Three: Sustainably use biodiversity	Program 6: Ridge to Reef+: Maintaining Integrity and Function of Coral Reef Ecosystems
	Program 7: Securing Agriculture's Future: Sustainable Use of Plant and Animal Genetic Resources
	Program 8: Implement the Nagoya Protocol on ABS



Program 6: Ridge to Reef+



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Program 7: Agrobiodiversity



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Program 8: ABS



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Biodiversity Strategy: Objectives and Programs

Focal Area Objective	Focal Area Programs
Objective Four: Mainstream biodiversity conservation and sustainable use into production landscapes and seascapes and sectors	Program 9: Managing the Human-Biodiversity Interface
	Program 10: Integration of Biodiversity and Ecosystem Services into Development & Finance Planning



Program 9: Human-Biodiversity Interface



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Program 10: Integration of BD and ES into Development and Finance Planning



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SFM Strategy: Objectives and Programs

- **To maintain forest resources**

- Integrated land use planning; Identification and monitoring of HCVF; Identifying and monitoring forest loss

Target
7

- **To enhance forest management**

- Capacity development for SFM within local communities; Supporting sustainable finance mechanisms for SFM

Target
14

- **To restore forest ecosystems**

- Building of technical and institutional capacities to identify degraded forest landscapes and monitor forest restoration; integrating plantation management in landscape restoration

- **To increase regional and global cooperation**

- Private sector engagement
- Global technologies for national progress

Target
15



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International Waters Strategy: Objectives and Programs

Objective 1: To catalyze sustainable management of Transboundary Waters

1.1: Foster cooperation for sustainable use of transboundary water systems and economic growth

1.2 Increase the Resilience and Flow of Ecosystems Services in the Context of Melting High Altitude Glaciers

Objective 2: To balance competing water-uses in the management of transboundary surface and groundwater.

2.1 Advance conjunctive management of surface and groundwater Systems

2.2 Increase Water/Food/Energy/ Ecosystems security and reduce conflict potential

Objective 3: To rebuild marine fisheries, restore and protect coastal habitats, and reduce pollution of coasts and LMEs

3.1 Prevent the Loss and Degradation of Coastal Habitats

3.2 Reduce Ocean Hypoxia

3.3 Rebuild Global Fisheries

Target 14

Target 6



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Land Degradation Strategy: Objectives and Programs



LD-1: Agriculture and Rangeland Systems

- Agro-ecological Intensification
- SLM for Climate-Smart Agriculture

Target
7 & 8



LD-2: Forest Landscapes

- Landscape Management and Restoration

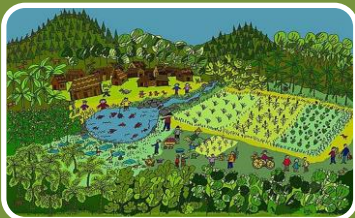
Target
14



LD-3: Integrated Landscapes

- Scaling up SLM

Target
15



LD-4: Institutional and Policy Frameworks

- Mainstreaming SLM in Development

Integrated Approach

Taking Deforestation Out of the Supply Chain: Beef, soy, palm oil, pulp and paper



Target
2,3,4

Target
5,7

Target
14,15

Financial institutions, producers, buyers, and consumers

Integrated Approach: Sustainability and Resilience for Food Security in Sub-Saharan Africa



Target
7 & 8

Target
14

Target
15

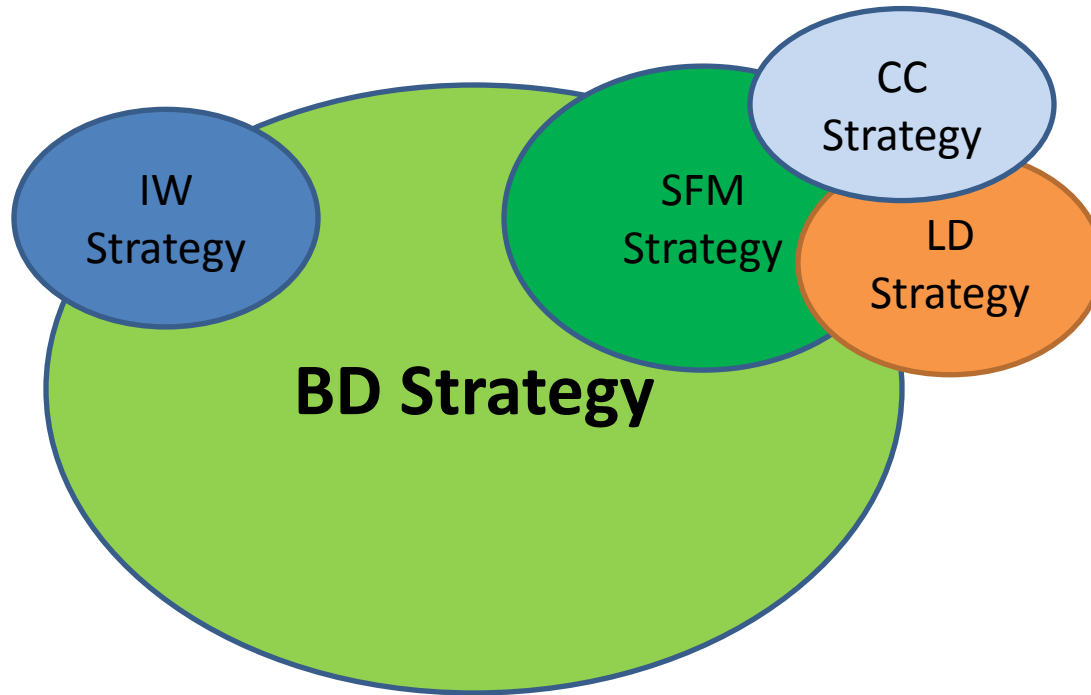
Strategic Plan for Biodiversity, 2011-2020



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Strategic Plan Implementation and Aichi Target Achievement Will Benefit from Multiple Funding Streams in GEF-6

Integrated Approaches: Commodities, Food Security



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THANK YOU

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Senior Biodiversity Specialist



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