



Convention on
Biological Diversity



Trondheim
Conferences
on
Biodiversity

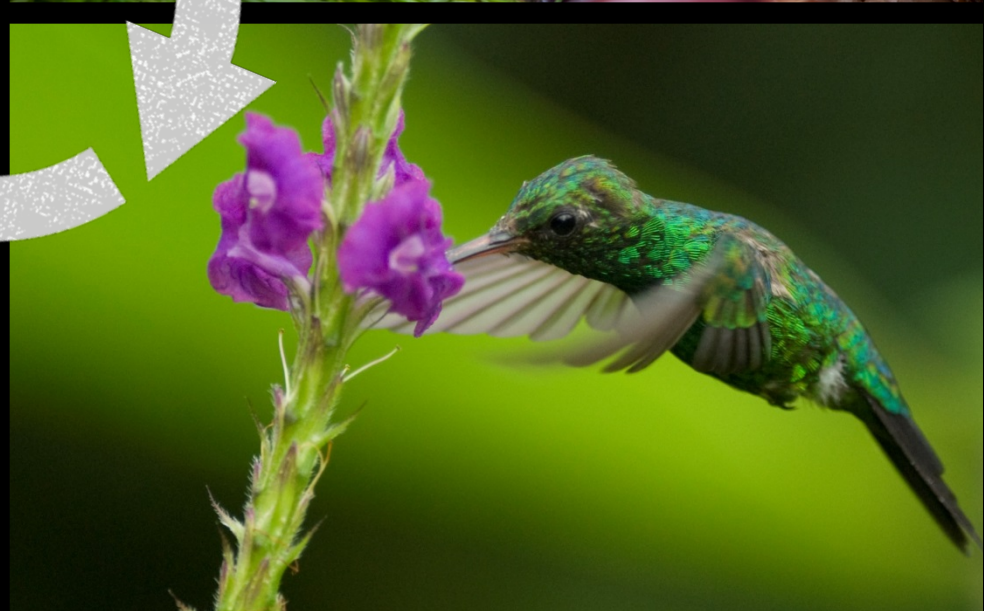
Sustainable agriculture and advancing the Aichi Biodiversity Targets

Braulio F. de Souza Dias

Executive Secretary of the Convention on Biological Diversity

- May 31, 2016 -

Without biodiversity, there is no food, no life





Without biodiversity, there is no food, no life

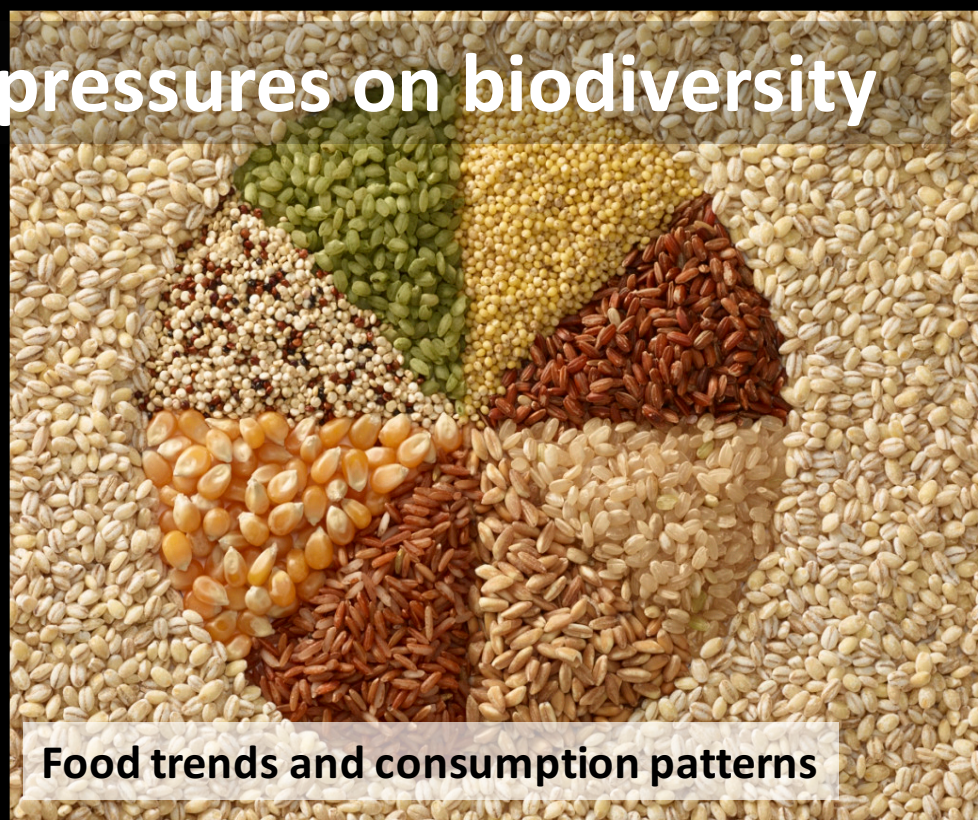
Agenda

- Overview of the status of agriculture
- The Strategic Plan and Aichi Biodiversity Targets
- Linkages with the Sustainable Development Agenda
- Leading to COP-13

Major indirect drivers of pressures on biodiversity



Population growth and food demand



Food trends and consumption patterns



Food waste



Food losses

Major direct drivers of pressures on biodiversity: unsustainable agricultural practices



Deforestation and fragmentation



Natural resources depletion



Improper use of agro-chemicals



Simplification of livestock and cropping systems

Loss of biodiversity: direct impact on agriculture



Innovation and Technology

Drought-resistant rice variety



Seedless



Regular Seeded



Nutrition Facts	
Tomatoes, red, ripe, raw	
Serving Size 141g	
Calories	27
Water	141g
	%Daily Value
Total Fat 0g	0%
Cholesterol 0mg	0%
Vitamins	
Vitamin A	1241IU 25%
Vitamin C	18.9mg 32%
Vitamin K	11.8mcg 15%

Solution: sustainable agriculture and food systems



Reduce waste and losses



**Limit expansion into natural areas
and reduce impacts on biodiversity**



Increase nutritional value of food



Increase agricultural productivity

Transition towards more sustainable agriculture and food systems

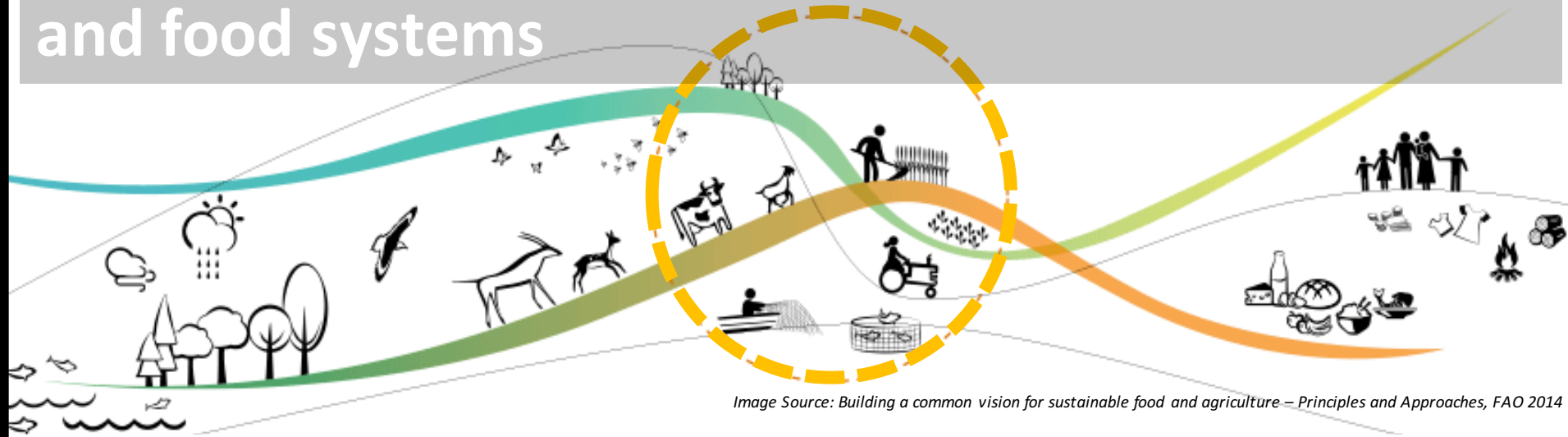


Image Source: Building a common vision for sustainable food and agriculture – Principles and Approaches, FAO 2014

Agriculture shapes the status of biodiversity

Transition towards more sustainable agriculture and food systems

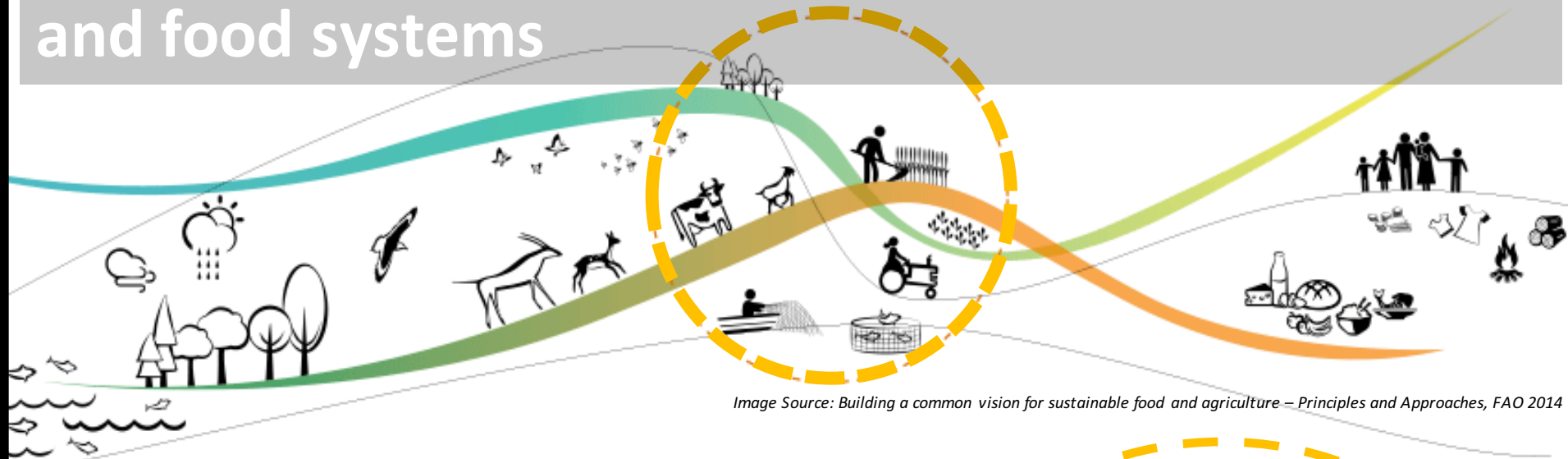


Image Source: Building a common vision for sustainable food and agriculture – Principles and Approaches, FAO 2014

Drivers of biodiversity loss are identified.

Consensus on appropriated **solutions**.

Implementation: what actions are needed to reflect biodiversity considerations in the management of agricultural systems?

Address consumer **demand**, require effective **policy** frameworks and supporting **financing** and incentives mechanisms

Strategic Plan for Biodiversity 2011 – 2020



Convention on
Biological Diversity

Vision

By 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people

Mission

Take effective and urgent action to halt the loss of biodiversity

Strategic Goal A

Address the underlying causes of biodiversity loss



Strategic Goal B

Reduce the direct pressures and promote sustainable use



Strategic Goal C

Safeguard ecosystems, species and genetic diversity



Strategic Goal D

Enhance the benefits to all from biodiversity and ecosystem services



Strategic Goal E

Enhance implementation



Implementation Support Mechanisms

Sustainable agriculture and the Aichi Biodiversity Targets



Source: Global Biodiversity Outlook 4



Sustainable agriculture and the Aichi Biodiversity Targets



T14: Ecosystem services conservation

Source: *Global Biodiversity Outlook 4*



T8: Pollution control



T7: Agriculture, aquaculture and forestry sustainable management

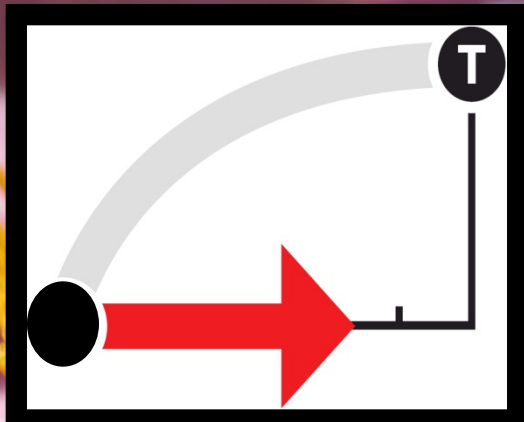


T13: genetic diversity conservation



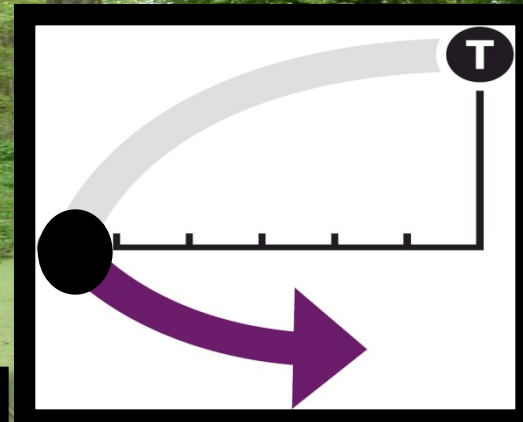
T9: IAS control and eradication

Sustainable agriculture and the Aichi Biodiversity Targets

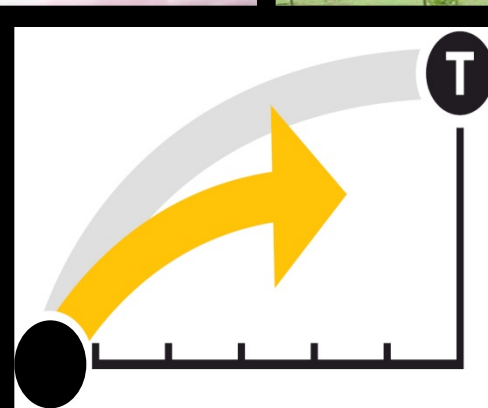


T14: Ecosystem services conservation

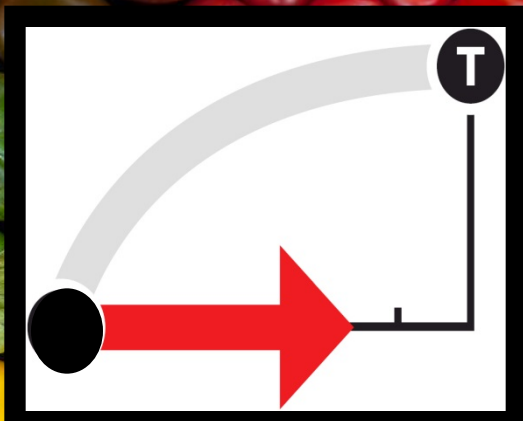
Source: Global Biodiversity Outlook 4



T8: Pollution control

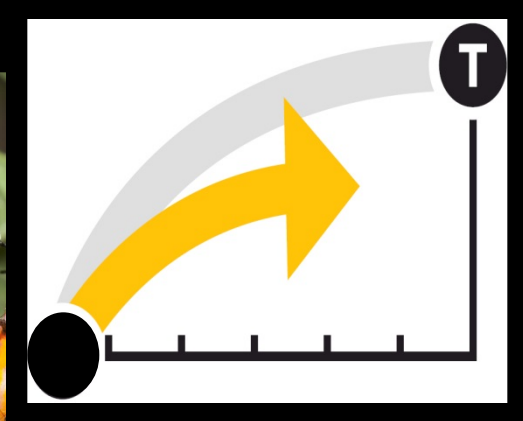


T7: Agriculture, aquaculture and forestry sustainable management



T13: genetic diversity conservation

The graphic shows the results for genetic diversity of wild relatives



T9: IAS control and eradication

CBD Programme of Work on Agricultural Biodiversity* and the International Initiatives**

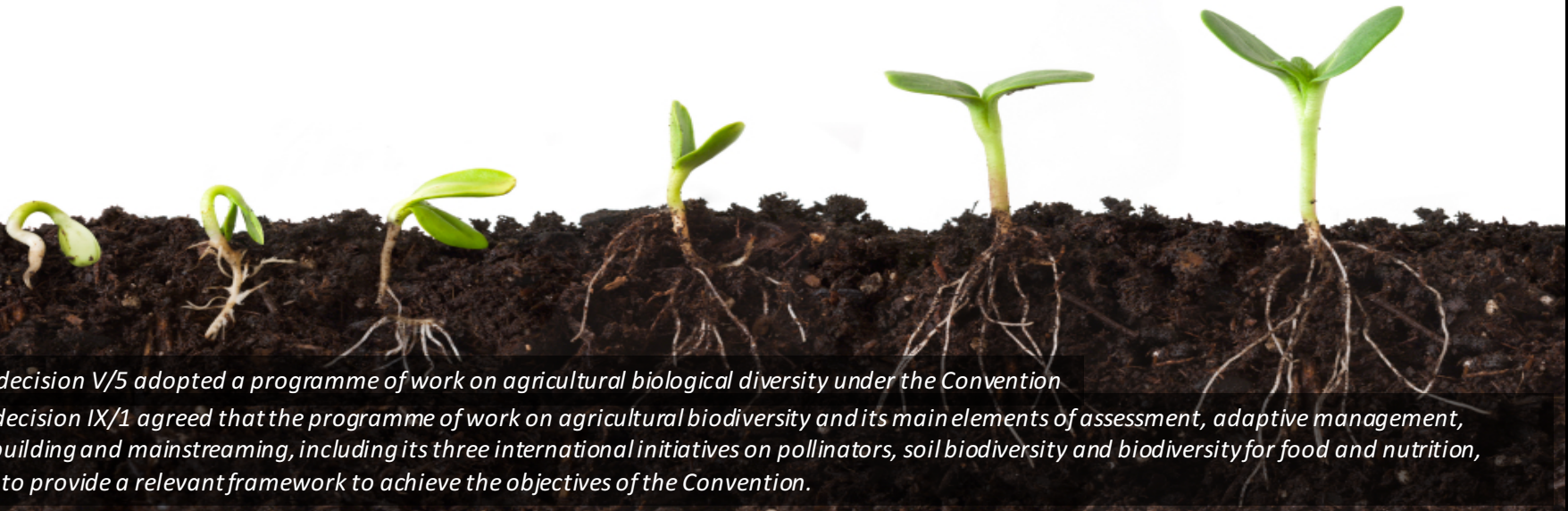


Pollinators



Biodiversity for Food and Nutrition

Soil Biodiversity



** COP 5 decision V/5 adopted a programme of work on agricultural biological diversity under the Convention*

*** COP 9 decision IX/1 agreed that the programme of work on agricultural biodiversity and its main elements of assessment, adaptive management, capacity building and mainstreaming, including its three international initiatives on pollinators, soil biodiversity and biodiversity for food and nutrition, continues to provide a relevant framework to achieve the objectives of the Convention.*

Agricultural Biodiversity and Ecosystem Functions and Services

Land restoration

Genetic resources diversity

Ecological intensification

Biodiversity conservation



Agricultural Biodiversity and Ecosystem Functions and Services



Pest and disease control



Water cycling conservation

Pollination and pollinator habitat



Soil fertility and erosion regulation



Farmers Traditional Knowledge



For human well-being and to poverty reduction:

Agroforestry, family farming and pastoralism to promote sustainable production, genetic diversification *in situ*, fair and equitable sharing of benefits and biodiversity conservation efforts



Rio Conventions, Ramsar and other agreements



Convention on
Biological Diversity

Agriculture



The biodiversity-agriculture-sustainable development nexus

FAO Strategic Framework (Objective 2)



2015
International
Year of Soils



2014
International Year of
Family Farming

feeding the world, caring for the earth



2016
INTERNATIONAL
YEAR OF PULSES



Aichi Biodiversity Targets



2016-2025

UN Decade of Action
on Nutrition

2015-2030

Sendai Framework for
Disaster Risk Reduction

Sustainable Development Goals (SDGs)



The biodiversity-agriculture-sustainable development nexus

FAO Strategic Framework (Objective 2)



2015
International
Year of Soils



2014
International Year of
Family Farming

feeding the world, caring for the earth



2016
INTERNATIONAL
YEAR OF PULSES



United Nations Decade on Biodiversity

Aichi Biodiversity Targets



2016-2025

UN Decade of Action
on Nutrition

2015-2030

Sendai Framework for
Disaster Risk Reduction

Sustainable Development Goals (SDGs)

1 NO
POVERTY



2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



6 CLEAN WATER
AND SANITATION



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



15 LIFE
ON LAND



Inputs for CBD COP 13

SBSTTA 19 Recommendation XIX/6

Biodiversity and human health

SBSTTA 20 Recommendation XX/9

Implications of the IPBES assessment on pollinators, pollination and food production for the work of the Convention

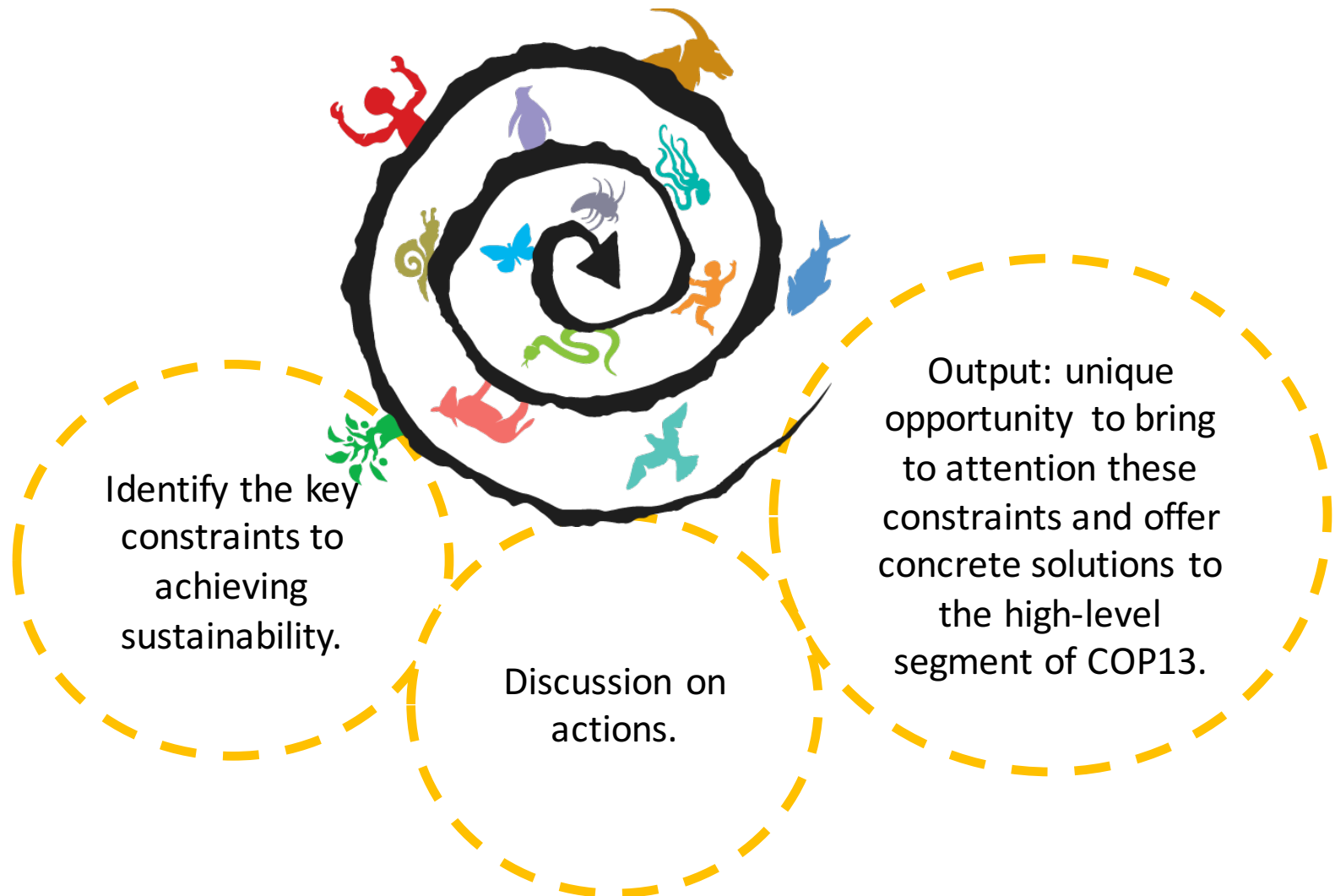
SBSTTA 20 Recommendation XX/15

Mainstreaming of biodiversity across sectors including agriculture, forests, fisheries and aquaculture

SBI 1 Recommendation I/4

Strategic actions to enhance implementation of the Convention and the Strategic Plan for Biodiversity 2011-2020 including the mainstreaming of biodiversity within and across sectors

Inputs for CBD COP 13



Outcome: sustainable agriculture and food systems



Convention on Biological Diversity

Supporting the achievement of all

Aichi Biodiversity Targets and SDGs





Convention on
Biological Diversity



Trondheim
Conferences
on
Biodiversity

Thank you!

