

# Healthy and Productive Ecosystems

## Programme Performance Review January 2018 to June 2019



**(6<sup>th</sup> Annual Subcommittee – 9 October 2019)**



# PoW 2018-2019

## SP 3 Expected Accomplishments

2 Expected Accomplishments

a) The health and productivity of marine, freshwater and terrestrial ecosystems are institutionalized in education, monitoring and cross-sector and transboundary collaboration frameworks at the national and international levels

(b) Increase in the number of countries and transboundary collaboration frameworks that demonstrate enhanced knowledge of the value and role of ecosystem services

# PoW 2018-2019

## SP 3 – indicator performance



# SP 3 EA a(i) progress

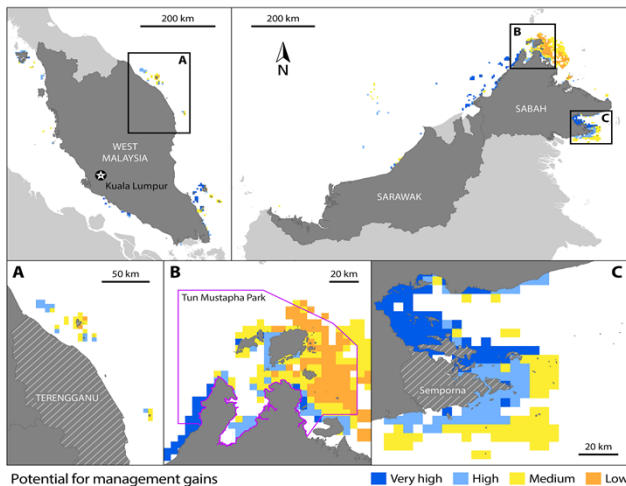


15 countries and 7 transboundary collaboration frameworks had made progress in monitoring and maintaining the health and productivity of marine and terrestrial ecosystems

**Monitor and maintain the health and productivity of ecosystems**

- Integration of climate change data into marine spatial planning in Malaysian coral reef Marine Protected Areas.
- Eutrophication Assessment Tool (NEAT) developed by UNEP Northwest Pacific Regional Seas Programme.
- Strategic Planning Framework for the conservation and management of the elephants in the Kavango Zambezi Transfrontier Conservation Areas endorsed at the Kasane Elephant Summit, May 2019.
- A case of benign neglect - Knowledge gaps about sustainability in pastoralism and rangelands.

**Satellite imagery, a tool for early detection**



# SP 3 EA a(ii) progress

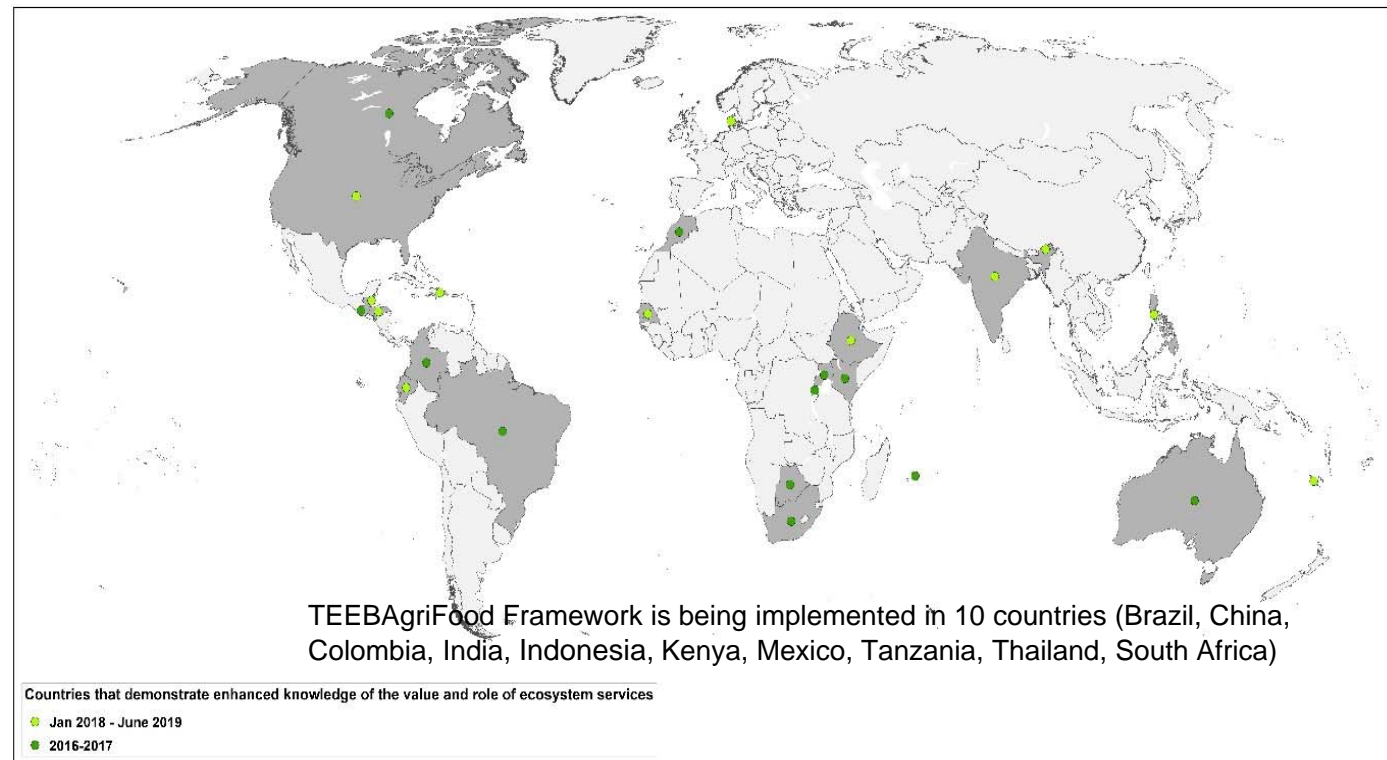


**24 countries had demonstrated enhanced knowledge of the value and role of ecosystem services**

Enhanced knowledge of the value and role of ecosystem services

- The TEEB for Agriculture and Food Scientific and Economic Foundations report was launched in June 2018.

Enhanced knowledge of the value and role of ecosystem services





## SP 3 EA a(ii) progress

Enhanced  
knowledge of the  
value and role of  
ecosystem services



- Insurance for coral reefs in the Mesoamerican reef supported by Swiss Re has been launched.
- The development and validation of carbon credits from community-based mangrove conservation and restoration in Kenya. (Mikoko Pamoja project)



# SP 3 EA a(iii) progress

**10 countries and 6 transboundary collaboration frameworks had improved the institutional set-up for cross-sector collaboration on marine and terrestrial ecosystem management**



## Regional Ocean Governance

- 18 Regional Seas:  
11 Regional Action Plans on Marine Litter  
4 Draft Regional Action Plans (various stages)  
1 Assessment underway → Action Plan in 2020 (Abidjan C.)

Improvement in collaboration frameworks for ecosystem management



## International Peatlands Initiative

- Brazzaville Declaration signed by Democratic Republic of the Congo, Republic of the Congo and Indonesia, 2018
- A global South-South knowledge exchange.
- The International Tropical Peatlands Center (ITPC) launched in Indonesia by the representatives of the Governments of Indonesia, DRC and ROC.



## UNEA 4 resolutions

Res. 4/6; Res. 4/10; Res. 4/11; Res. 4/12; Res. 4/13; Res. 4/15;  
Res. 4/16

# SP 3 EA a(iv) progress, Education for Sustainability



Ecosystem approach integrated in education frameworks

**10 education institutions and learning platforms supported by UNEP had integrated the ecosystem approach into their educational frameworks**



**8,411** institutions and networks of higher and further education from across the world collectively declare **Climate Emergency**.



**“Tide Turners Plastic Challenge Badge”** -training in Kenya, Uganda, Tanzania, Ghana and Mauritius mobilize youth to take actions to reduce single-use plastics. **Over 32,000 young people** have begun training.



Launch of Landscape Academy.



# SP 3 EA b(i) progress



Incorporation of  
ecosystems in  
economic  
decision-making

**11 public sector institutions had tested incorporating the health and productivity of marine and terrestrial ecosystems into economic decision-making at the national level:**

- National Bureau of Statistics of China.
- National Institute of Statistics and Geography of Mexico (INEGI).
- Statistics South Africa.
- South African National Biodiversity Institute (SANBI).
- Department of Environmental Affairs in South Africa.
- Ministry of Water and Environment of Uganda.
- Ministry of Environment of Ecuador.
- Brazilian Institute for Geography and Statistics (IBGE).
- Federal University of Rio de Janeiro.
- National Water Agency, Brazil.
- Kenya Forest Service.



## SP 3 EA b(ii) progress



Private sector  
reduces  
ecosystem-  
related risks  
and/or impacts

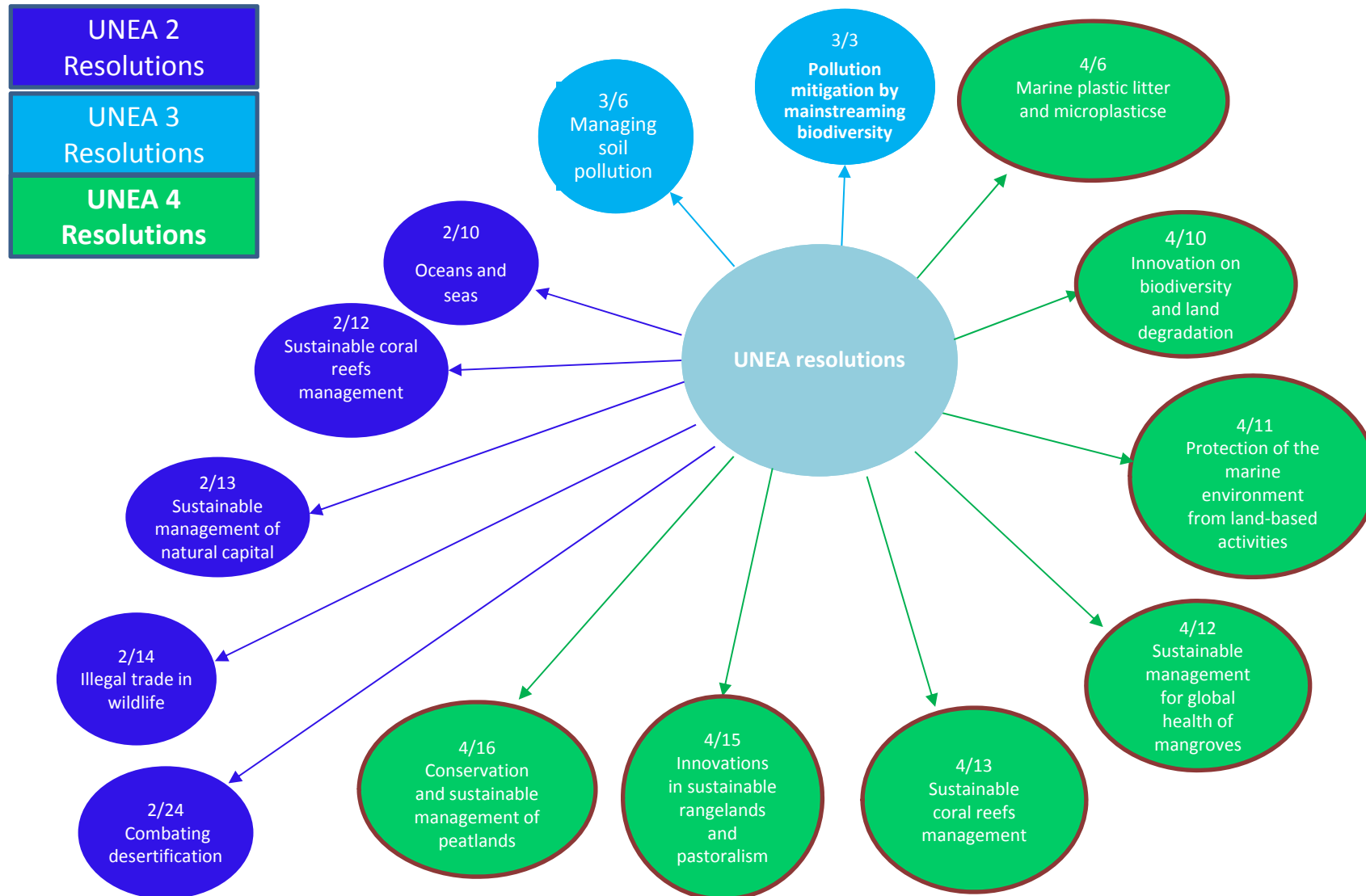
**A total of 51 financial institutions had adjusted their business models to reduce their ecosystem-related risks**

- A comprehensive web-based tool, called [ENCORE](#) (Exploring Natural Capital Opportunities, Risks and Exposure) that links environmental change with its economic consequences been launched.



**Counting the cost: ENCORE helps banks assess exposure to environmental degradation**

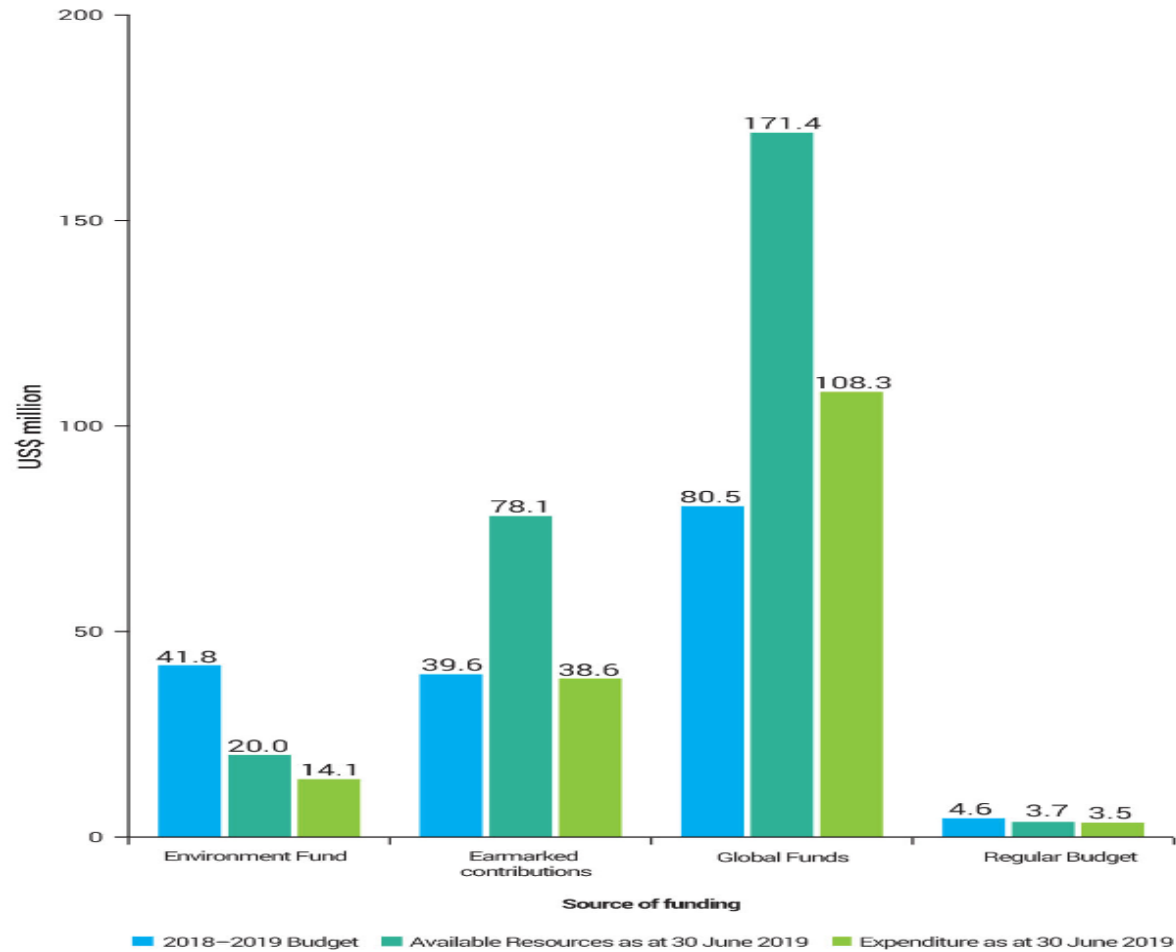
# UNEA Resolutions relevant to the Sub-programme





# FINANCIAL OVERVIEW

Financial Performance: Healthy and Productive Ecosystems



# Challenges and Risk management



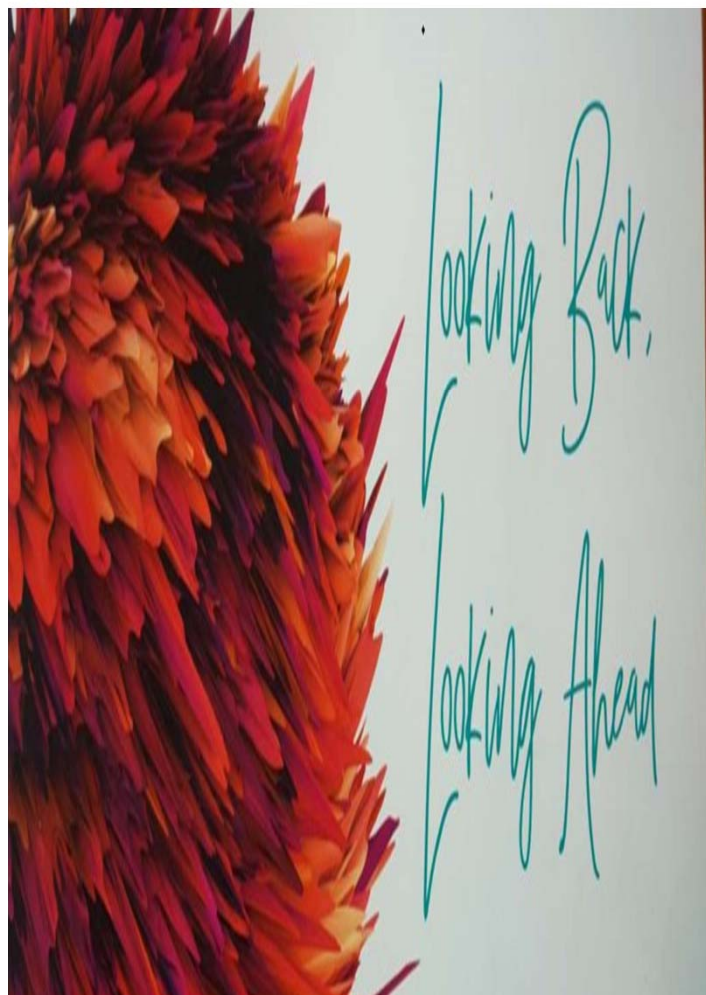
## Challenges

- The technical complexity of cross-sector approaches.
- The long time-frame for ecosystem change, which often occurs slower than economic and political decision-making processes.
- Based on the current trajectory, the world will *not meet the Aichi Targets*.
- Finance.

## Risk management

- Work with policy makers and partners to value and acknowledge the importance of biodiversity and ecosystems sustainability and to promote mainstreaming across the sectors.
- Mobilizing sustainable partnerships.
- Diversification of funding sources-private sector investments.

# Looking Ahead



- Opportunity to engage more with the private sector to produce innovative solutions and invest in nature-based solutions.
- New momentum for taking into consideration land-based solutions for climate action and biodiversity conservation and the mutually supportive implementation of the three Rio conventions.
- Taking into consideration post 2020 global biodiversity framework process.
- UN Decade on Ecosystems Restoration.
- Enhanced collaboration with UN Agencies, CGIAR centres, research institutions.
- Working under the framework of the UN reform to deliver at country level will be key.

# Possible Points for Discussion



- How to strengthen the science policy interface?
- How we can bring nature's full potential into the development, biodiversity and climate solutions in a coherent way and at scale?
- How we can deliver through the UN Decade of Restoration?
- How we can create sustainable business solutions for Healthy and Productive Ecosystems?

# Questions & Discussion

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