

**Protected Areas; Aichi targets;  
Biodiversity Strategic Plan & Multiple  
Benefits**  
*Sarat Gidda*  
*CBD Secretariat*  
*Montreal*



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# Drivers of Change

- **Climate change** is, and will continue to have, a huge impact on biodiversity (major change in structure and function)
- Governments have an overarching imperative to achieve the **Sustainable Development Goals**
- We are reaching the earth's **carrying capacity** and we are experiencing unprecedented ecosystem loss— with a corresponding loss of ecosystem function and services
- The world's countries are facing major **financial constraints**



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# **New Expectations for Protected Areas**

- **Protected areas should do more ecologically**
- **Protected areas should do more socially**
- **Protected areas should do more economically**
- **Protected areas should be mainstreamed**



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# Protected areas deliver on development challenges



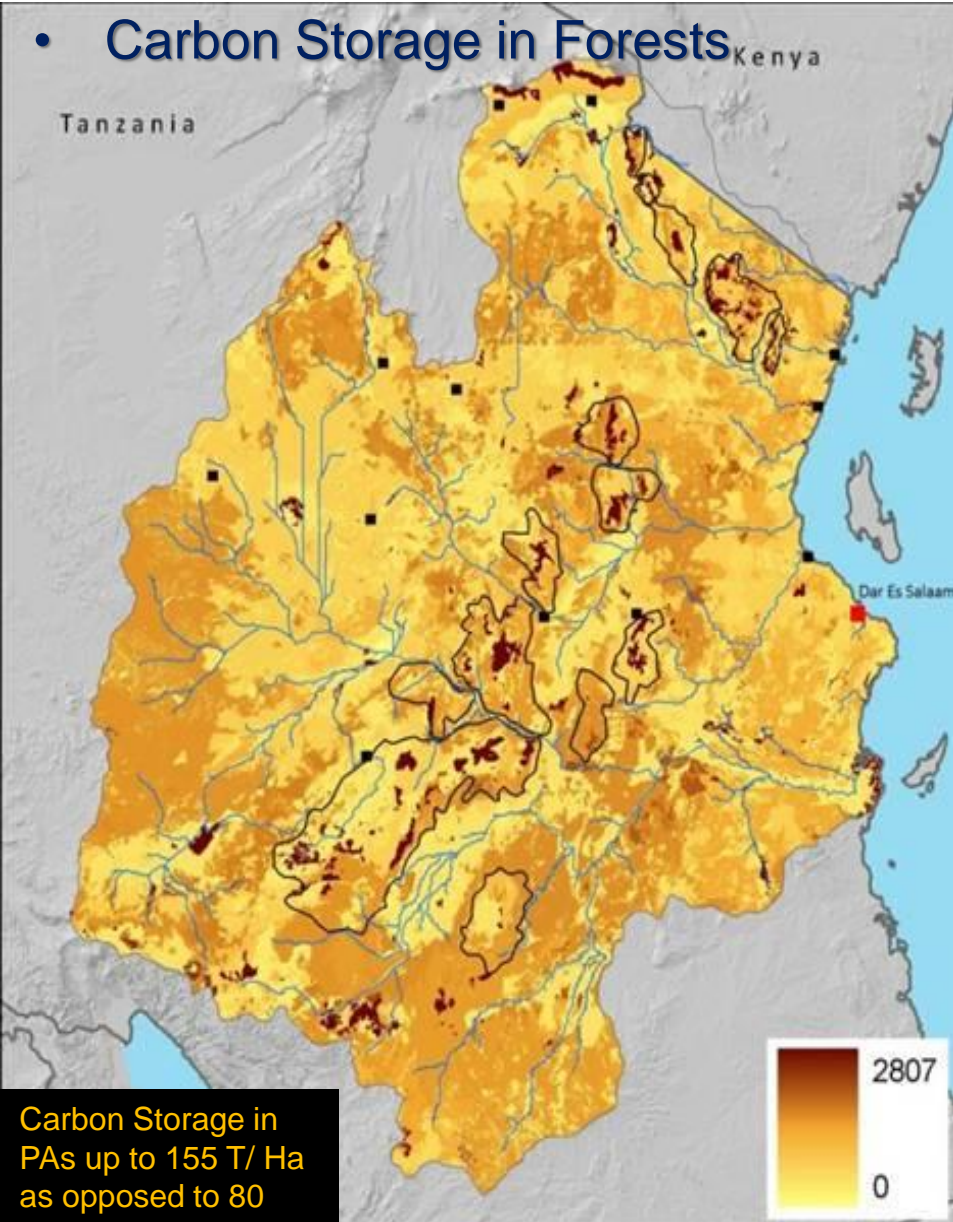
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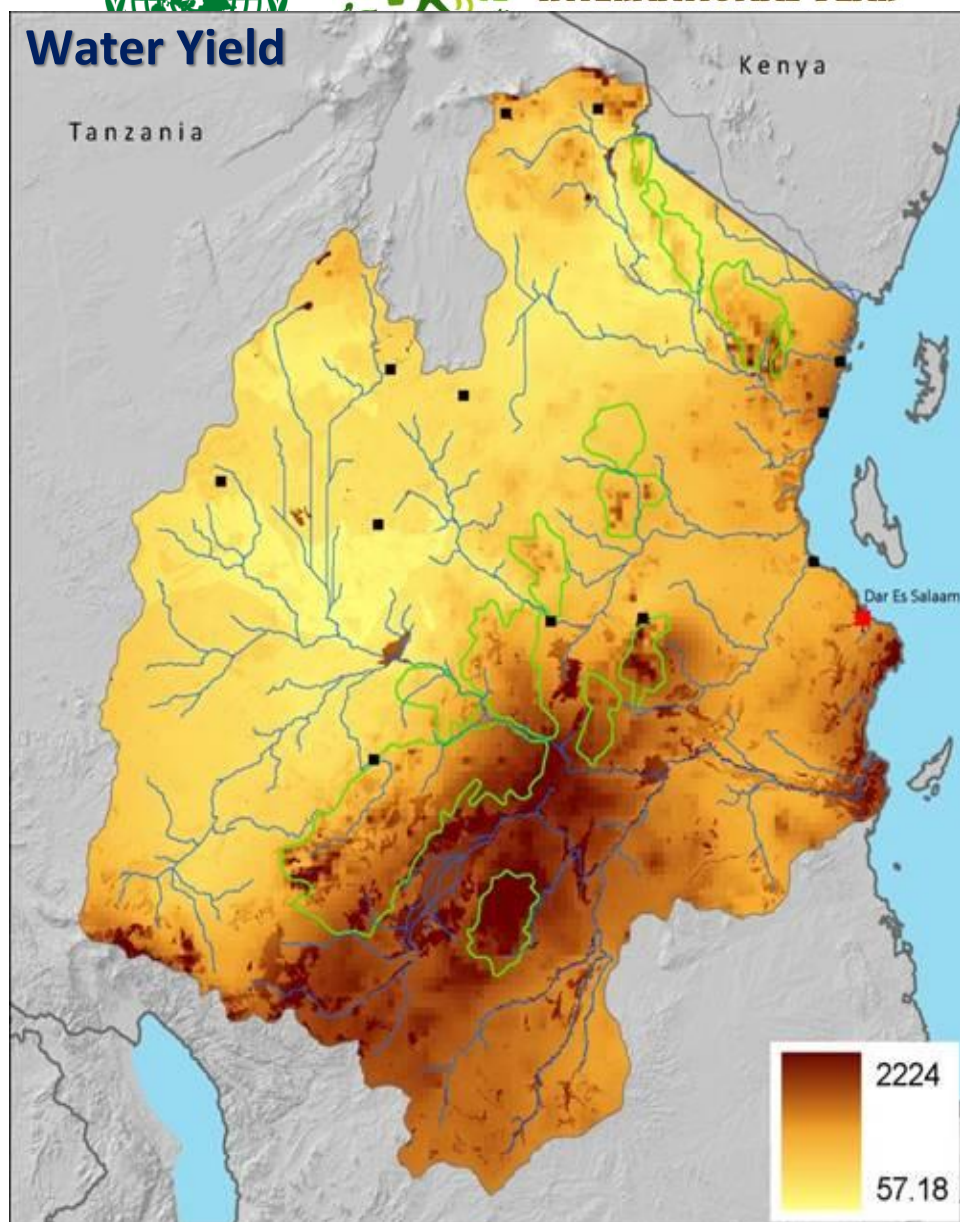
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- Carbon Storage in Forests



## Water Yield



Carbon Storage in PAs up to 155 T/ Ha as opposed to 80 tons for unprotected



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# Protected areas and food security



UN Photo/WFP



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# Protected areas and water security



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UN Photo/Lucien Rajaonina



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# Protected areas and livelihoods







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# Protected areas and disaster risk reduction



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UN Photo/John Olsson



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# Protected areas and national security



UN Photo/Sylvain Liechti



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# October 2010: Nagoya Biodiversity Summit



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## Epoch making for Biodiversity policy





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**There are many  
other linkages  
amongst the  
Aichi Targets!**



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TARGET ELEMENTS	STATUS OF T11 AS DEPICTED IN GBO4	CONTRIBUTION OF TARGET 11 ACTIONS	PROJECTED STATUS
 <p><b>TARGET 5</b></p> <p>The rate of loss of forests is at least halved and where feasible brought close to zero</p>		<p>65 actions to improve terrestrial and inland water areas coverage by protected areas</p>	
	<p>The loss of all habitats is at least halved and where feasible brought close to zero</p>		<p>55 actions to make protected areas more effectively managed</p> <p>65 actions to improve terrestrial and inland water areas coverage by protected areas</p>
<p>Degradation and fragmentation are significantly reduced</p>		<p>43 actions to create well connected systems of protected areas</p> <p>43 actions to improve the contribution of other effective area-based conservation measures</p>	





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TARGET ELEMENTS

STATUS OF T11 AS DEPICTED IN GBO4

CONTRIBUTION OF TARGET 11 ACTIONS

PROJECTED STATUS



TARGET 6

All fish and invertebrate stocks and aquatic plants are managed and harvested sustainably, legally and applying ecosystem based approaches



17 actions to integrate protected areas into the wider landscape and seascape

55 actions to make protected areas more effectively managed

43 actions to improve coastal and marine areas coverage by protected areas

42 actions to make protected areas more equitably managed



Recovery plans and measures are in place for all depleted species



43 actions to improve coastal and marine areas coverage by protected areas

42 actions to make protected areas more equitably managed





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TARGET 7

Areas under agriculture  
are managed sustainably,  
ensuring conservation of  
biodiversity



43 actions to improve  
the contribution of  
other effective area-  
based conservation  
measures

17 actions to integrate  
protected areas into the  
wider landscape and  
seascape

55 actions to make  
protected areas more  
effectively managed



Areas under aquaculture  
are managed sustainably,  
ensuring conservation of  
biodiversity



43 actions to improve  
the contribution of  
other effective area-  
based conservation  
measures

17 actions to integrate  
protected areas into the  
wider landscape and  
seascape

55 actions to make  
protected areas more  
effectively managed



Areas under forestry are  
managed sustainably,  
ensuring conservation of  
biodiversity



43 actions to improve  
the contribution of  
other effective area-  
based conservation  
measures

17 actions to integrate  
protected areas into the  
wider landscape and  
seascape

55 actions to make  
protected areas more  
effectively managed



TARGET ELEMENTS      STATUS OF T11 AS DEPICTED IN GBO4      CONTRIBUTION OF TARGET 11 ACTIONS      PROJECTED STATUS



TARGET 10

<p>Multiple anthropogenic pressures on coral reefs are minimized, so as to maintain their integrity and functioning</p>		<p>55 actions to make protected areas more effectively managed</p> <p>54 actions to improve the coverage by protected areas of areas of particular importance for biodiversity and ecosystem services</p> <p>43 actions to improve coastal and marine areas coverage by protected areas</p>	
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<p>Multiple anthropogenic pressures on other vulnerable ecosystems impacted by climate change or ocean acidification are minimized, so as to maintain their integrity and functioning</p>	<p>Not evaluated</p>	<p>55 actions to make protected areas more effectively managed</p> <p>54 actions to improve the coverage by protected areas of areas of particular importance for biodiversity and ecosystem services</p> <p>43 actions to improve coastal and marine areas coverage by protected areas</p>	
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TARGET ELEMENTS

STATUS OF T11 AS  
DEPICTED IN GBO4

CONTRIBUTION OF  
TARGET 11 ACTIONS

PROJECTED  
STATUS

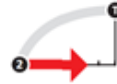


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TARGET 12

Extinction of known  
threatened species has  
been prevented



65 actions to improve  
terrestrial and inland  
water areas coverage by  
protected areas

43 actions to improve  
coastal and marine  
areas coverage by  
protected areas

54 actions to improve  
the coverage by  
protected areas of areas  
of particular importance  
for biodiversity and  
ecosystem services



The conservation status  
of those species most in  
decline has been  
improved and sustained



55 actions to make  
protected areas more  
effectively managed



TARGET 13

The genetic diversity of  
wild relatives is  
maintained



65 actions to improve  
terrestrial and inland  
water areas coverage by  
protected areas

54 actions to improve  
the coverage by  
protected areas of areas  
of particular importance  
for biodiversity and  
ecosystem services



43 actions to improve  
the contribution of  
other effective area-  
based conservation  
measures



TARGET ELEMENTS

STATUS OF T11 AS  
DEPICTED IN GBO4

CONTRIBUTION OF  
TARGET 11 ACTIONS

PROJECTED  
STATUS

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TARGET 14

Ecosystems that provide essential services, including services related to water, and contribute to health, livelihoods and well-being, are restored and safeguarded ...



54 actions to improve the coverage by protected areas of areas of particular importance for biodiversity and ecosystem services



55 actions to make protected areas more effectively managed

17 actions to integrate protected areas into the wider landscape and seascape

... taking into account the needs of women, indigenous and local communities, and the poor and vulnerable



42 actions to make protected areas more equitably managed





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**TARGET ELEMENTS**

**STATUS OF T11 AS  
DEPICTED IN GBO4**

**CONTRIBUTION OF  
TARGET 11 ACTIONS**

**PROJECTED  
STATUS**



**TARGET 15**

Ecosystem resilience and the contribution of biodiversity to carbon stocks have been enhanced through conservation and restoration



54 actions to improve the coverage by protected areas of areas of particular importance for biodiversity and ecosystem services



55 actions to make protected areas more effectively managed

At least 15 per cent of degraded ecosystems are restored, contributing to climate change mitigation and adaptation, and to



54 actions to improve the coverage by protected areas of areas of particular importance for biodiversity and ecosystem services



55 actions to make protected areas more effectively managed



TARGET ELEMENTS

STATUS OF T11 AS  
DEPICTED IN GBO4

CONTRIBUTION OF  
TARGET 11 ACTIONS

PROJECTED  
STATUS

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TARGET 18

Traditional knowledge, innovations and practices of indigenous and local communities are respected



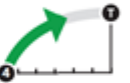
42 actions to make protected areas more equitably managed  
43 actions to improve the contribution of other effective area-based conservation measures



Traditional knowledge, innovations and practices are fully integrated and reflected in implementation of the Convention ...



42 actions to make protected areas more equitably managed  
43 actions to improve the contribution of other effective area-based conservation measures



... with the full and effective participation of indigenous and local communities



42 actions to make protected areas more equitably managed  
43 actions to improve the contribution of other effective area-based conservation measures



TARGET 20

Mobilization of financial resources for implementing the Strategic Plan for Biodiversity 2011–2020 from all sources has increased substantially from 2010 levels



Submitting the actions for binational, bilateral, and multilateral funding



# PA approaches apply to all targets

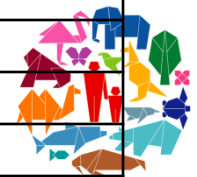


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Target	PA Comms	PA mgmt capacity	PA Governance	PA Economics	PA climate change
1 Awareness					
2 Biodiv value					
3					
4					
5 Habitat loss					
6 Unsustainable fishing					
7 Production landscape					
8					
9 Invasive aliens					
10 Vulnerable ecosys.					
11 PA coverage					
12					
13					
14 Ecosystem services					
15 Resilience, restoration					
16					
17 NBSAPs					
18 Governance					
19					
20					



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# Transforming our world



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- **People**

We are determined to end poverty and hunger, in all their forms and dimensions, and to ensure that all human beings can fulfil their potential in dignity and equality and in a healthy environment.

- **Planet**

We are determined to protect the planet from degradation, including through sustainable consumption and production, sustainably managing its natural resources and taking urgent action on climate change, so that it can support the needs of the present and future generations.

- **Prosperity**

We are determined to ensure that all human beings can enjoy prosperous and fulfilling lives and that economic, social and technological progress occurs in harmony with nature.

- **Peace**

We are determined to foster peaceful, just and inclusive societies which are free from fear and violence. There can be no sustainable development without peace and no peace without sustainable development.

- **Partnership**

We are determined to mobilize the means required to implement this Agenda through a revitalised Global Partnership for Sustainable Development, based on a spirit of strengthened global solidarity, focussed in particular on the needs of the poorest and most vulnerable and with the participation of all countries, all stakeholders and all people.









# Protected Areas and Sustainable Development Goals

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## Protected Area Goods and Services

## Sustainable Development Goals (SDGs)

Subsistence, livelihoods and nutrition	<b>1</b> NO POVERTY 	<b>2</b> ZERO HUNGER 	<b>8</b> DECENT WORK AND ECONOMIC GROWTH 
Social, cultural and governance	<b>5</b> GENDER EQUALITY 		
Human and ecosystem health; traditional health care	<b>3</b> GOOD HEALTH AND WELL-BEING 	<b>14</b> LIFE BELOW WATER 	<b>15</b> LIFE ON LAND 
Drinking and irrigation water, hydro power, erosion control	<b>6</b> CLEAN WATER AND SANITATION 	<b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION 	
Reduce and mitigate natural disasters  Reduce and adapt climate change	<b>13</b> CLIMATE ACTION 		



# Post-2015 Sustainable Development Goals – Direct

**Goal 6** Ensure availability and sustainable management of water and sanitation for all

- Target 6.6 by 2020 protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

**Goal 14** Conserve and sustainably use the oceans, seas and marine resources for sustainable development

- Target 14.5 by 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on best available scientific information







# Post-2015 Sustainable Development Goals – Direct

**Goal 15** Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

- **Target 15.1** By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements
- **Target 15.2** By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally
- **Target 15.5** take urgent and significant action to reduce degradation of natural habitat, halt the loss of biodiversity, and by 2020 protect and prevent the extinction of threatened species
- **Target 15.8** By 2020, introduce measures to prevent the introduction and significantly reduce the impact of invasive alien species on land and water ecosystems and control or eradicate the priority species



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# Post-2015 Sustainable Development Goals – Indirect

**Goal 1** End poverty in all its forms everywhere

- Target 1.2 By 2030, reduce at least by half the proportion of men, women and children of all ages living in poverty in all its dimensions according to national definitions

**Goal 12** Ensure sustainable consumption and production patterns

- Target 12.2 By 2030, achieve the sustainable management and efficient use of natural resources

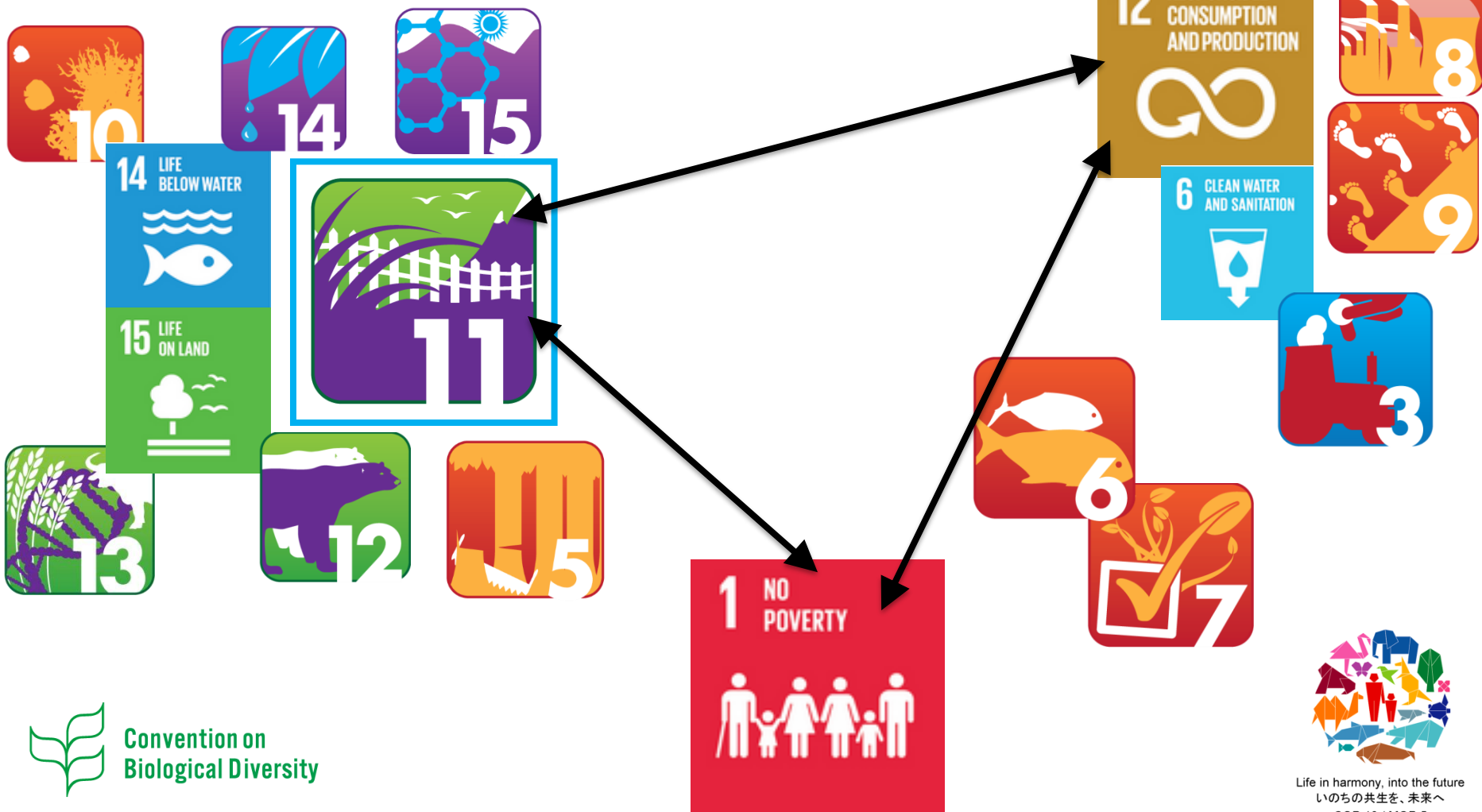


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# Links between with Aichi Biodiversity Targets and Sustainable Development Goals

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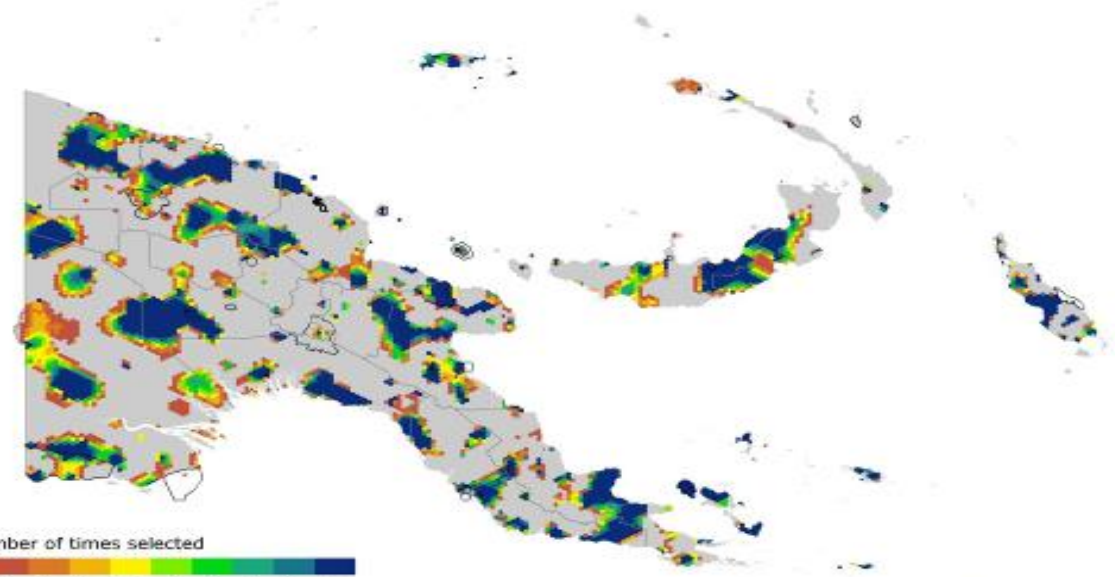
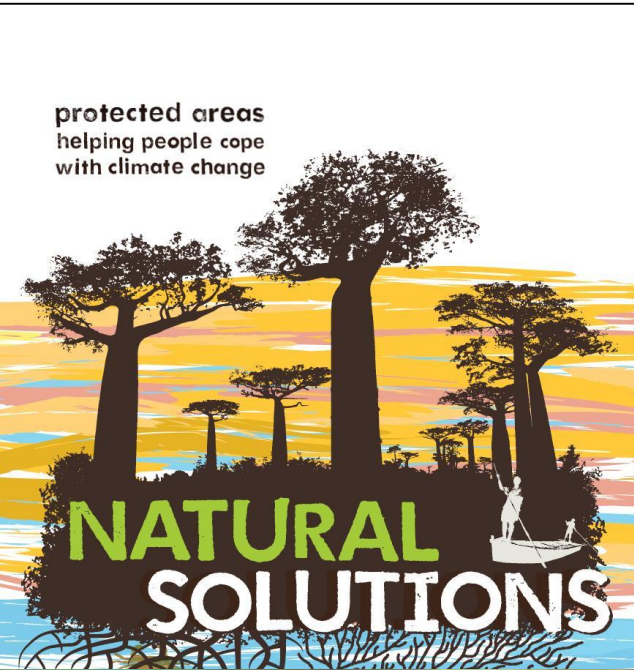




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# Protected areas should do more ecologically

protected areas  
helping people cope  
with climate change





**Secretariat of the Convention on Biological  
Diversity**  
413 Saint Jacques Street, Suite 800  
Montreal, QC, H2Y 1N9, Canada  
Tel: +1 514 288 2220  
Fax: + 1 514 288 6588  
Email: [secretariat@cbd.int](mailto:secretariat@cbd.int)  
[www.cbd.int/](http://www.cbd.int/)

