

# Forest reserves: the international context

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**FORUM FORESTIER LÉMANIQUE, 6<sup>th</sup> June 2019**



# What is a protected area?

A protected area is a clearly defined geographical space, recognised, dedicated and managed, through legal or other effective means, to achieve the long term conservation of nature with associated ecosystem services and cultural values.

(IUCN Definition 2008)

# IUCN Protected Area Management Categories

Category	Description
Category Ia	strict nature reserve: PA managed mainly for science
Category Ib	wilderness area: PA managed mainly for wilderness protection
Category II	national park: PA managed mainly for ecosystem protection and recreation
Category III	natural monument: PA managed mainly for conservation of specific natural features
Category IV	habitat/species management area: PA managed mainly for conservation through management intervention
Category V	protected landscape/seascape: PA managed mainly for landscape/seascape conservation and recreation
Category VI	managed resource PA: PA managed mainly for the sustainable use of natural ecosystems

# IUCN Protected Area Management Categories

**Table 2.** “National parks” in various categories

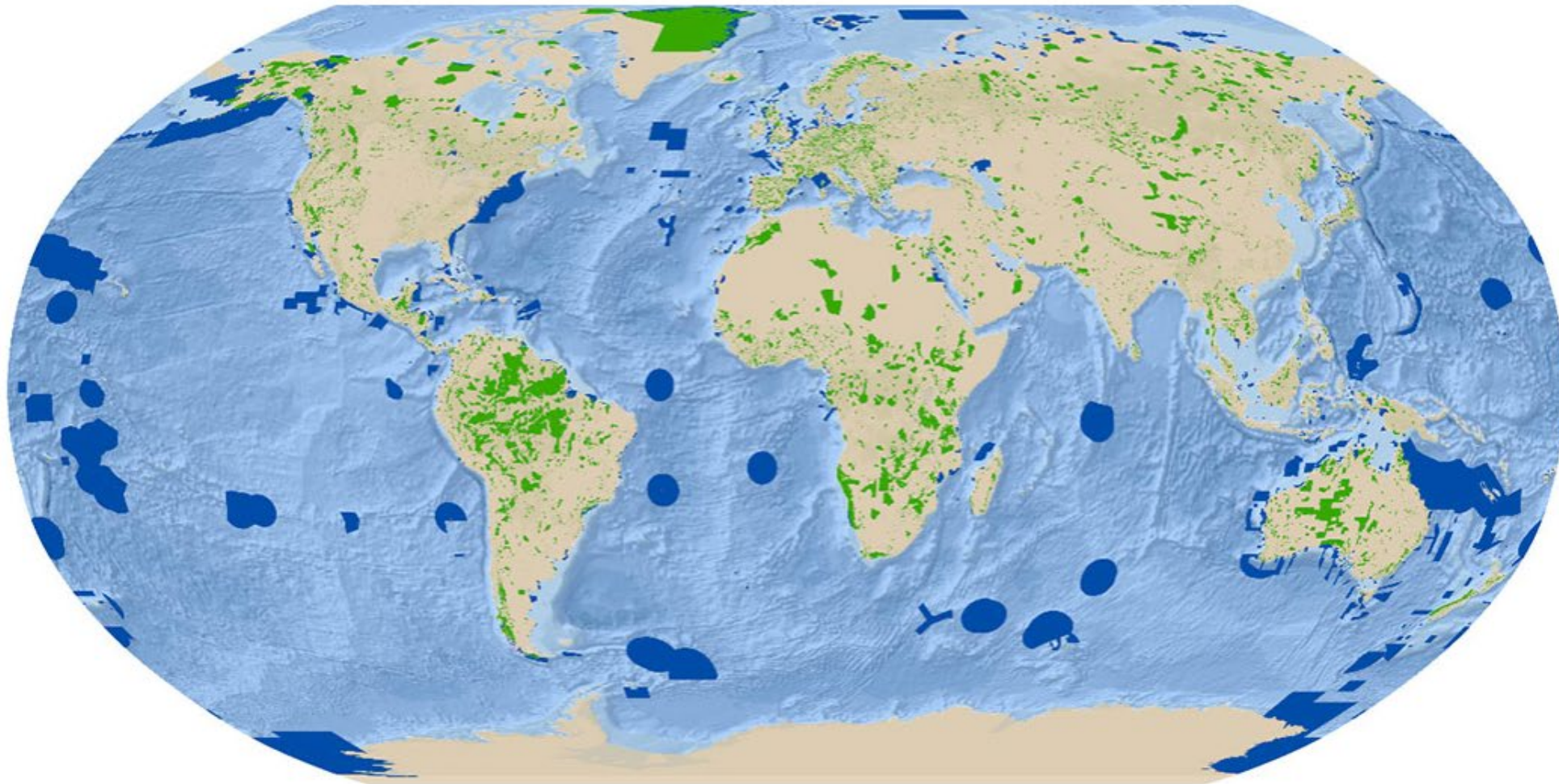
Category	Name	Location	Size (ha)	Date
Ia	Dipperu National Park	Australia	11,100	1969
II	Guanacaste National Park	Costa Rica	32,512	1991
III	Yozgat Camligi National Park	Turkey	264	1988
IV	Pallas Ounastunturi National Park	Finland	49,600	1938
V	Snowdonia National Park	Wales, UK	214,200	1954
VI	Expedition National Park	Australia	2,930	1994

Management	...is about...	<ul style="list-style-type: none"> <li>- <b>what is done</b> in pursuit of given objectives</li> <li>- <b>the means and actions</b> to achieve such objectives</li> </ul>
Governance	...is about...	<ul style="list-style-type: none"> <li>- <b>who decides</b> what <b>the objectives</b> are, <b>what to do to</b> pursue them, and with <b>what means</b></li> <li>- <b>how</b> those decisions are taken</li> <li>- who holds <b>power, authority and responsibility</b></li> <li>- who is (or should be) held <b>accountable</b></li> </ul>

Table 5. The IUCN Protected Area Matrix – a classification system for protected areas comprising both management category and governance type

Governance Type	A. Governance by government	B. Shared governance	C. Private governance	D. Governance by indigenous peoples and local communities
Management Category	Central or national ministry or agency in charge	Sub-national ministry or agency in charge	Government-delegated management (e.g. to an NGO)	Transboundary governance
I a. Strict Nature Reserve				
Ib. Wilderness Area				
II. National Park				
III. Natural Monument				
IV. Habitat/ Species Management				
V. Protected Landscape/ Seascape				
VI. Protected Area with Sustainable Use of Natural Resources				

# Protected areas - global coverage



1. Terrestrial protected areas



2. Marine protected areas

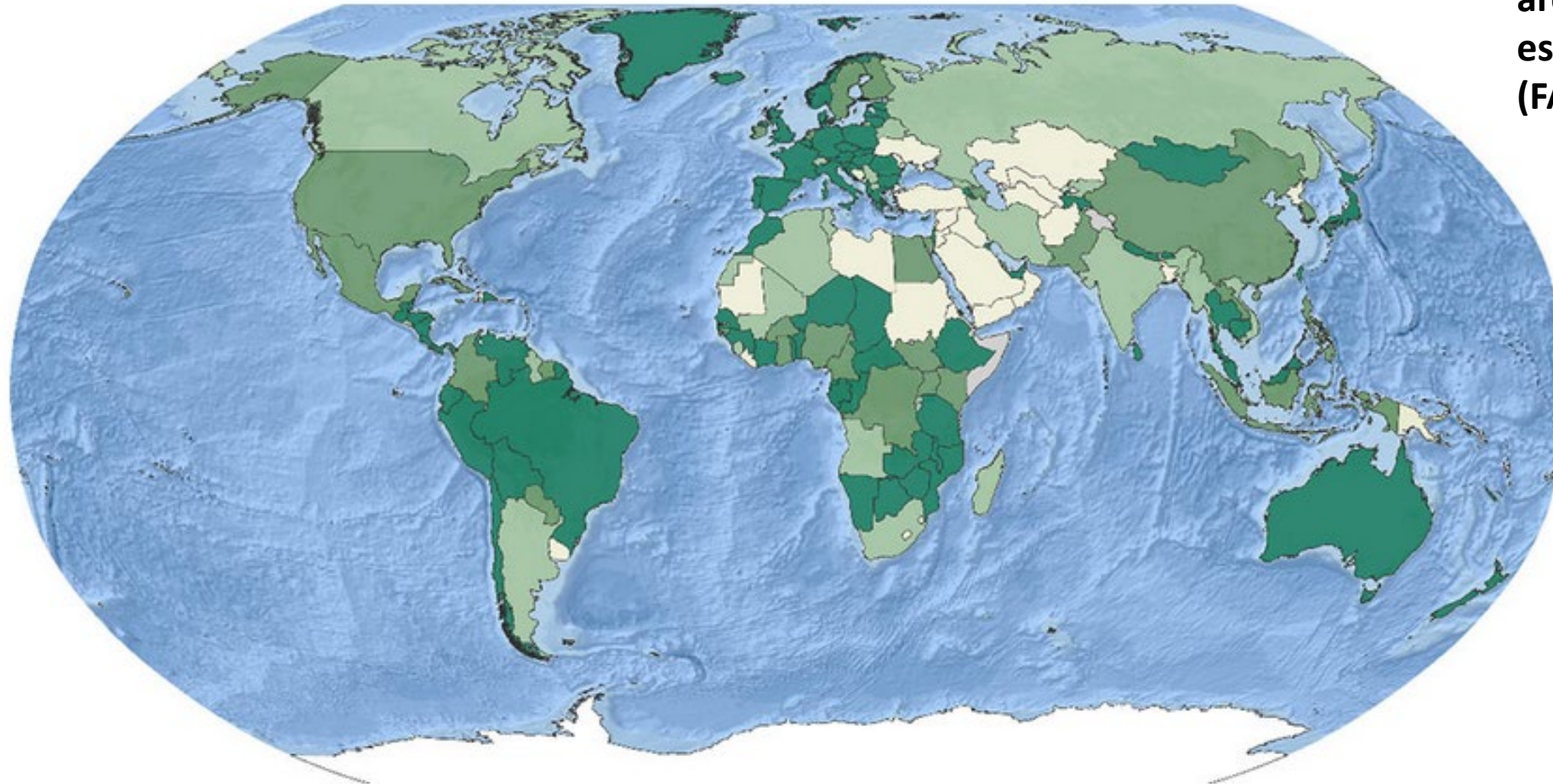


# Extent of terrestrial coverage protected area coverage between countries and territories

<https://protectedplanet.net/>

<https://livereport.protectedplanet.net/>

**17 percent of the world's forests  
are now located within legally-  
established PAs  
(FAO 2018)**



1. Data Deficient   2. <5%   3. 5% - 10%   4. 10% - 17%   5. >17%

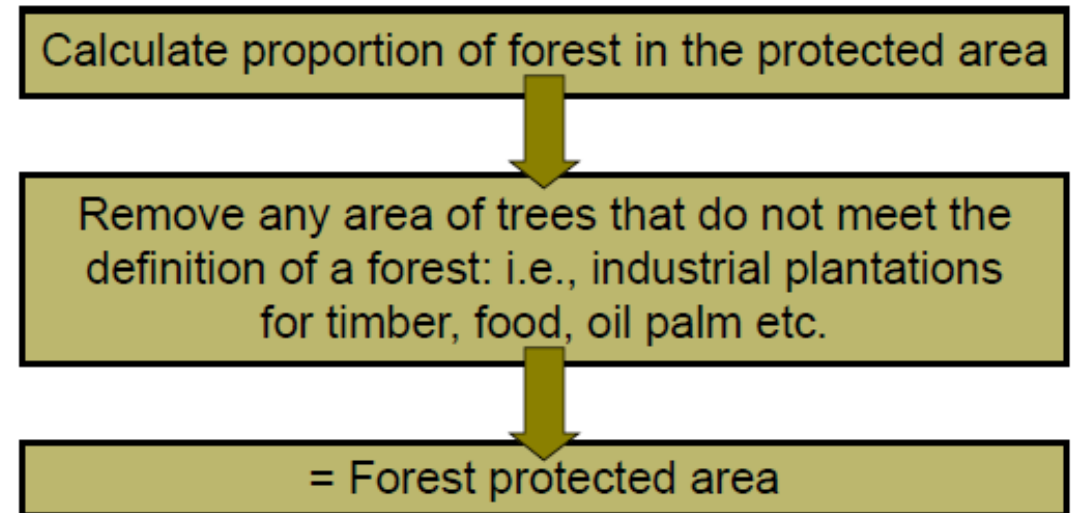
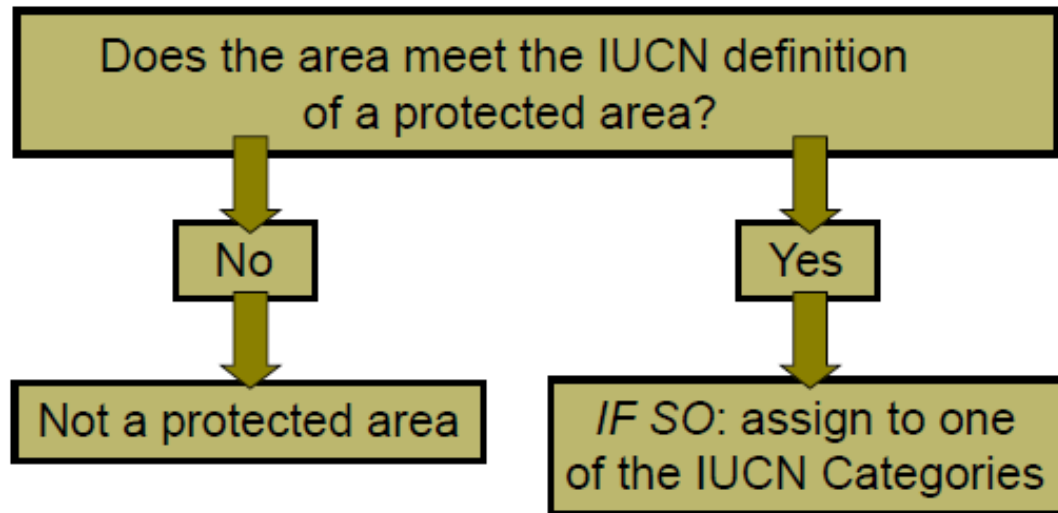


# World Database on Protected Areas (WDPAs)

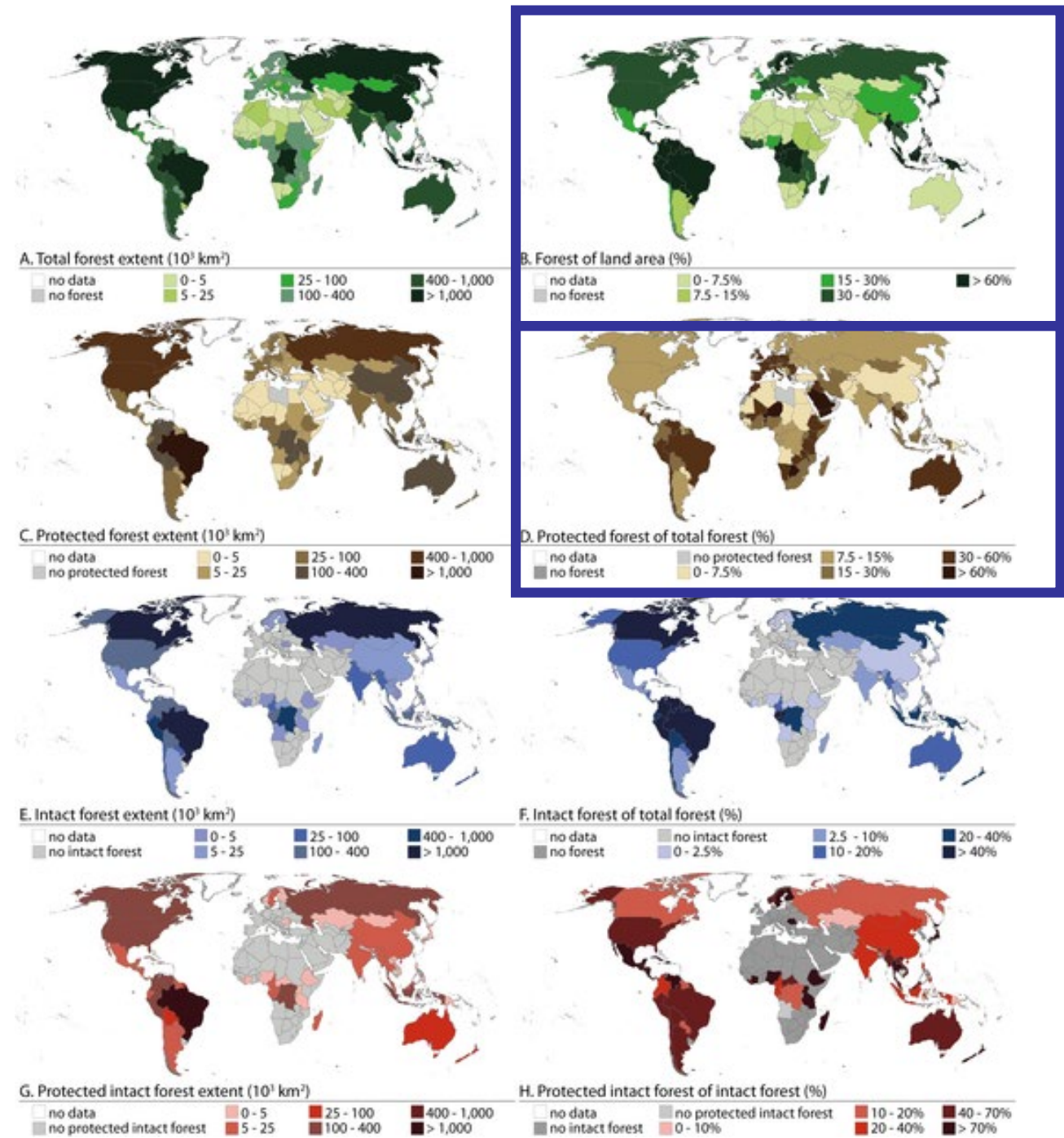




# Assessing forest PA coverage





# Absolute and relative forest extent by country in year 2000.




Heino M, Kumm M, Makkonen M, Mulligan M, Verburg PH, et al. (2015) Forest Loss in Protected Areas and Intact Forest Landscapes: A Global Analysis. PLOS ONE 10(10): e0138918.  
<https://doi.org/10.1371/journal.pone.0138918>  
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0138918>






What are we  
protecting? where?



For whom?  
by whom? how?



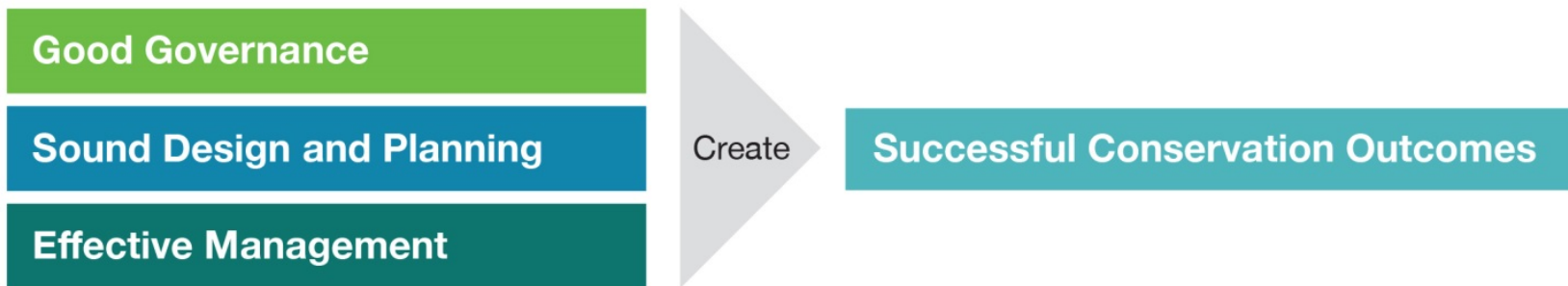
Is it *conserved*?  
Is it *fair*?



Green List  
Protected || Conserved Areas

## IUCN GREEN LIST MISSION

To increase and recognize the number of **Protected and Conserved Areas** globally that are **fairly governed, effectively managed, and achieving their conservation outcomes**



**Green List**  
Protected | Conserved Areas

## Good Governance

- 1.1 Guarantee Legitimacy and Voice
- 1.2 Achieve Transparency and Accountability
- 1.3 Enable Governance Vitality and Capacity to Respond Adaptively

## Sound Design and Planning

- 2.1 Identify and Understand Major Site Values
- 2.2 Design for Long-Term Conservation of Major Site Values
- 2.3 Understand Threats and Challenges to Major Site Values
- 2.4 Understand Social and Economic Context

## Effective Management

- 3.1 Develop and Implement a Long Term Management Strategy
- 3.2 Manage Ecological Condition
- 3.3 Manage Within Social and Economic Context of the Area
- 3.4 Manage Threats
- 3.5 Effectively and Fairly Enforce Laws and Regulations
- 3.6 Manage Access, Resources Use and Visitation
- 3.7 Measure Success

## Successful Conservation Outcomes

- 4.1 Demonstrate Conservation of Major Natural Values
- 4.2 Demonstrate Conservation of Major Associated Ecosystem Services
- 4.3 Demonstrate Conservation of Cultural Values



REGION	COUNTRY	No.	EAGL	SITES	REGION	COUNTRY	EAGL		SITES
MIDDLE EAST & WEST ASIA	EGYPT	1	TRAINED	2	EUROPE CONT'D	SWITZERLAND	TRAINED	19	1
	LEBANON	2		1		GEORGIA	FORMING	20	2
	PALESTINE	3		2	ASIA	CHINA	TRAINED	21	23
	JORDAN	4		4		JAPAN	COMMIT	22	0
	UNITED ARAB EMIRATES	5		4		SOUTH KOREA	COMMIT	23	3
	SAUDI ARABIA	6		0		MALAYSIA	TRAINED	24	3
NORTH AFRICA	ALGERIA	7	TRAINED	2		VIET NAM	TRAINED	25	4
	MOROCCO	8		2	AMERICAS & CARIBBEAN	MEXICO	TRAINED	26	4
	TUNISIA	9		3		USA-CALIFORNIA	TRAINED	27	124 SITE-NETWORK
AFRICA	KENYA	10	TRAINED	4		COLOMBIA	TRAINED	28	4
	COTE D'IVOIRE	11	TRAINED	2		PERU	TRAINED	29	5
	BENIN	12	TRAINED	1		ECUADOR	FORMING	30	2
	MOZAMBIQUE	13	FORMING	2		COSTA RICA	FORMING	31	1
	NIGERIA	14	FORMING	4		BELIZE	FORMING	32	1
	MADAGASCAR	15	FORMED	4		GUATEMALA	FORMING	33	1
EUROPE	FRANCE	16	TRAINED	22	OCEANIA	AUSTRALIA	TRAINED	34	5
	SPAIN	17	FORMING	4		PAPUA NEW GUINEA	COMMIT	35	0
	ITALY	18	FORMING	5					

# Learning from what works

## PANORAMA – Solutions for a Healthy Planet

- PANORAMA is a partnership initiative that promotes solutions for nature conservation and sustainable development
- Identifying, analysing, documenting and promoting specific success stories from vast range of “solution providers” across multiple “thematic communities”, to facilitate their replication
- Connecting “solution providers” and potential replicators for mutual learning from proven success
- Universally applicable learning methodology, combining “online” and “offline” peer-peer learning; unique modular case study format
- Partnership of 7 organizations; IUCN and GIZ providing partnership coordination function



[www.panorama.solutions](http://www.panorama.solutions)



# Find what works – break it down – share for replication

## The PANORAMA „Solution-ing“ Methodology



500+ Solutions

440+ Providers

1433 Building Blocks

### PANORAMA Solutions ...

~70 Countries

are tools, methods, processes and approaches that **work and inspire action**, and

- have an impact
- are scalable
- address conservation and development challenges in an integrated manner

→ **Open for anyone to contribute!**

# Protected areas Solutions

Explore 284 Solutions

Solutions

Building Blocks

Search solutions

in

All solutions

Region

Ecosystem

Theme

Governance type

Challenges

## Ecosystem

☐ Agro-ecosystem

☐ Desert ecosystems

☒ Forest ecosystems <sup>5</sup>

☐ Marine and coastal ecosystems

☐ Freshwater ecosystems

☐ Grassland ecosystems

Temperate deciduous forest

Tropical deciduous forest

Tropical evergreen forest

114 solutions

# Forest reserve management: a solution case study

## Forest Landscape Restoration in the Shouf: a Comprehensive Solution

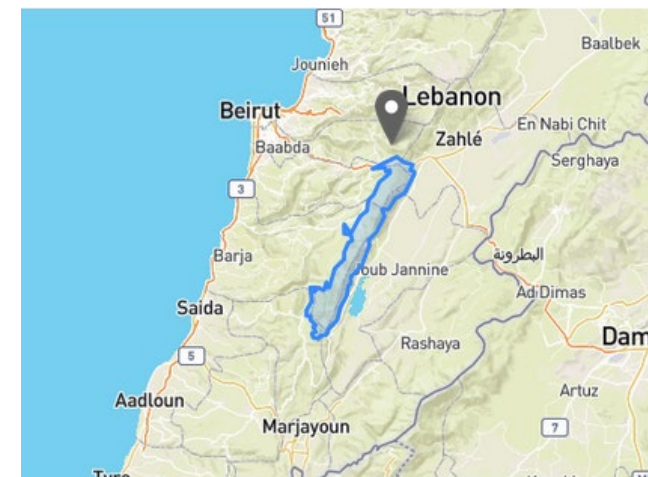
Building block 1:  
**Grazing to Control  
Re-Sprouting and  
Prevent Forest Fires**

Building block 2:  
**Compost Production  
to Find Alternative  
Sources of Organic  
Fertilizer**

Building block 3:  
**Traditional Charcoal  
Production for  
Heating and  
Generating Rural  
Employment**

Building block 4:  
**Restoration of  
Stonewall  
Abandoned Terraces**

Building block 5:  
**Marketing Plan to  
Promote the Use of  
Briquettes**





A lush tropical forest scene with moss-covered tree trunks and dense green foliage. The image is a close-up of a forest interior, showing several tree trunks covered in thick green moss. The background is filled with various green plants, including long, narrow leaves and small flowers. The lighting is soft and natural, suggesting a humid environment.

**Thank you!**

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