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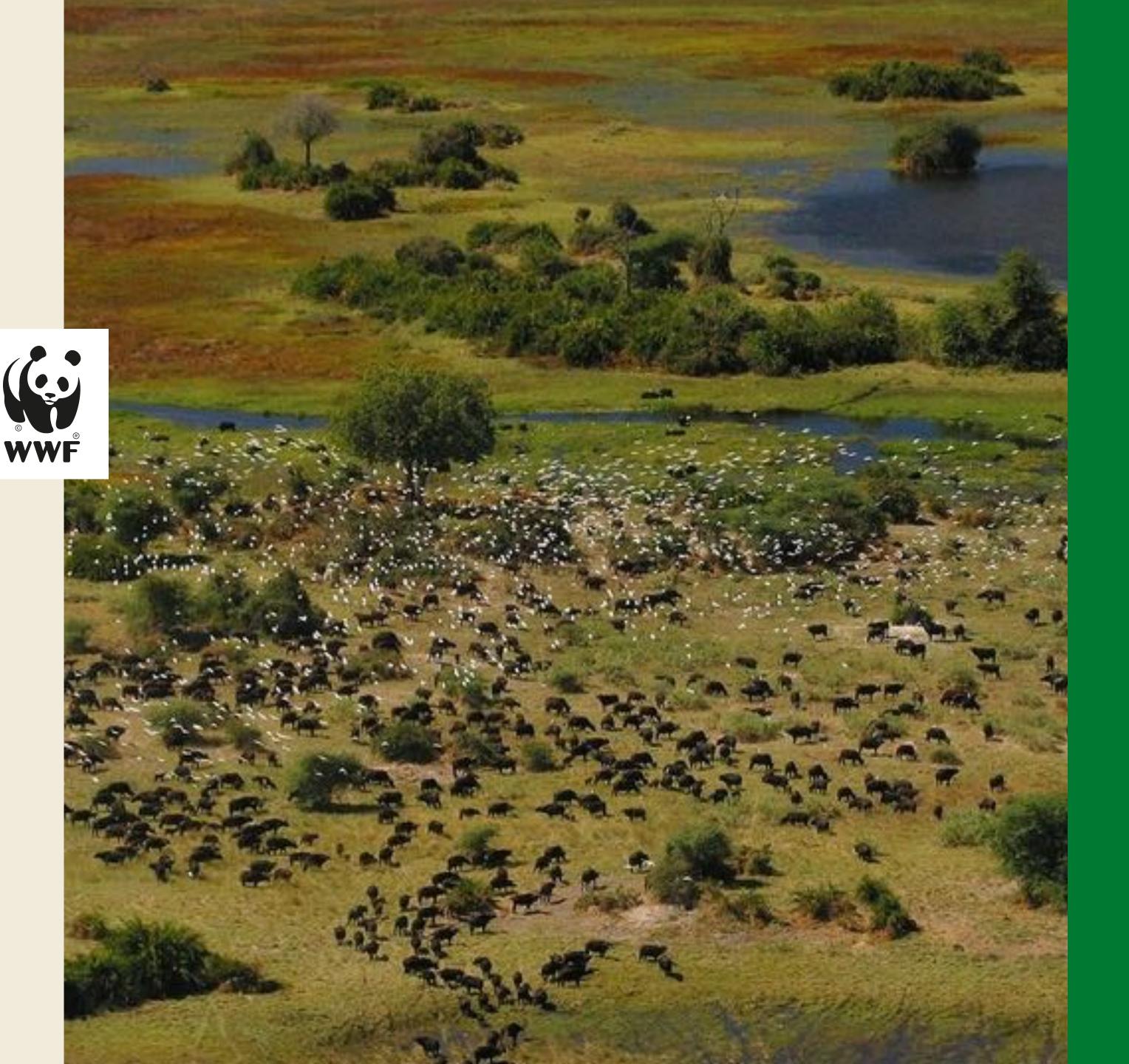
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GRASSLANDS and SAVANNAHS

# Introduction & Context

## **FOREWORD**

**GRASSLANDS AND SAVANNAHS** represent some of the world's richest and most diverse ecosystems. Indeed, over half our planet's terrestrial land consists of ecosystems dominated by grasses, forbs and shrubs. WWF's Global Grasslands and Savannahs Initiative shines a long overdue spotlight on these critical ecosystems that play a fundamental role in tackling our climate and nature crises and how we feed our growing population

Grasslands and savannahs provide homes to a quarter of the world's population and incredible biodiversity from charismatic megafauna, like elephants, tigers, bison and tapir, to the thousands of insects and pollinators that underpin the healthy ecosystems. The vast majority of agriculturally productive land, around 80%, is in grasslands or areas that were

formally grasslands. Global food security relies on healthy grasslands and savannahs, but intensive production and over-exploitation means they have faced some of the fastest and largest rates of conversion and degradation of any biome. While food production creates employment for more than 1 billion people, degradation results in livelihood, habitat and biodiversity losses, carbon emissions, and food and freshwater insecurity. Longterm, this is unsustainable, and we must halt the conversion of grasslands and savannahs, while also restoring those that have been degraded, ideally to a balanced and sustainable mix of natural habitat and agricultural land. However, globally less than 10% are protected and they are conspicuously absent from global agendas, public and private sector commitments and policies. This must change.



João Campari, Global Food Practice Leader

THE INITIATIVE PROVIDES A SHARED HOME AND A PLATFORM TO RAISE THE PROFILE OF AND CHAMPION OUR GRASSLANDS AND SAVANNAHS TO ENSURE THAT IN OUR **CONTINUED URGENCY TO PROTECT** HABITATS WE ENSURE THAT ALL **ECOSYSTEMS ARE RECOGNISED FOR THEIR** INTRINSIC VALUES, PARTICULARLY THOSE THAT HAVE BEEN LEFT BEHIND UNTIL NOW.

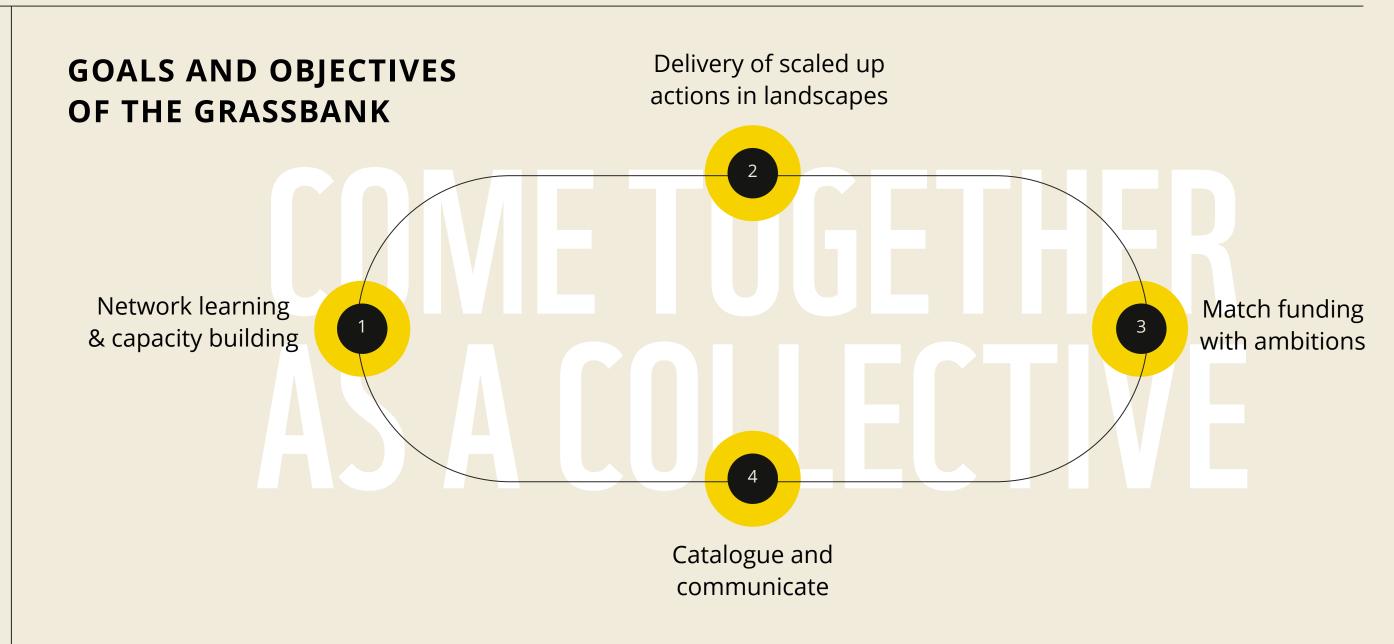
## WELCOME TO THE GGSI GRASSBANK!

THE GLOBAL GRASSLANDS AND SAVANNAHS **INITIATIVE (GGSI)** brings a sharp focus to these undervalued and overlooked ecosystems. With the vision of resilient and diverse grasslands and savannahs sustaining nature, ecosystem services and people, at its core the GGSI seeks impact at scale across multiple landscapes through protection, sustainable management and restoration practices. For this to happen, there first needs to be an increase in understanding together with putting in place the appropriate enabling environment. Namely, a shift in perspectives and beliefs about grasslands and savannahs which recognise and value the benefits they provide; a supporting global and political framework that proactively includes them in agendas and decision making; and resources invested into these landscapes to facilitate the all-important delivery of on the ground actions.

The GrassBank is a source of information that provides valuable insights into the work being delivered in grasslands and savannahs across the WWF network. Many offices and colleagues have been prioritising and working in grasslands and savannahs for years. These colleagues bring vast amounts of diverse expertise and knowledge which has been fundamental in developing a robust strategy reflecting the shared needs and the crosscutting nature of the Global Grasslands and Savannahs Initiative (GGSI). Their inputs have been compiled to establish the GrassBank and a summary of this information is outlined in this report. This first iteration, finalised in June 2022, will be built on and developed as the landscape programmes and the Initiative evolve.



Karina Berg, Leader GGSI



## **TIMELINE FOR GGSI**

2019 — 2020 - 2022 — MARCH 2020 — FEB 2021 — MAY 2021 — SEPT 2021

- GGSI development workshops in Berlin and Montana
- UNCCD regional Rangeland consultations together with WWF / IUCN
- GGSI early concept approved

GGSI Lead recruited

- Rangelands Atlas launched
- IUCN Resolution on grasslands
- UN Food Systems summit – game changing solutions established under Action Track 3, boosting nature positive production

**FEB 2022** 

- **MARCH 2022**
- LINICCD C

**MAY 2022** 

- UNCCD COP High Level Event covening a first coaltion of the willing for Grasslands, Savannahs & Rangelands
- International Year of Rangelands and Pastoralists

2026

GGSI full strategy /

proposal approved

GGSI internal (WWF) launch

WWF

## KEY FACTS

THE GOOD NEWS

**of land on the planet** is made up of ecosystems that are dominated by grasses, forbs and shrubs

GRASSLANDS AND SAVANNAHS ARE HOME TO MORE THAN

20

people and over 10.000 different species of grass



OF THE

**WORLD'S FOOD** 

is produced in

these systems

80%

OF ALL
AGRICULTURALLY
PRODUCTIVE
LANDS

are located in grasslands or areas that were formerly grasslands Grasslands alone represent about

of the global carbon stock in terrestrial ecosystems and store in total at least

3X
MORE
carbon than
tropical
rainforests

### **GRASSLAND AND SAVANNAH BIOMES**

serve as either freshwater sources or catchment areas for most of the world's largest rivers and wetlands. THE CHALLENGE

Over

of farmlands and more than 25% of rangelands are degraded

Countries have already submitted commitments to the three Rio Conventions to RESTORE ALMOST

hectares of degraded grasslands, savannahs and rangelands by 2030



GRASSLANDS AND SAVANNAHS

HAVE THE
HIGHEST
RATES OF
CONVERSION
OF ANY
BIOME, WITH
OVER

1,7 M
hectares converted annually

## **DEFINITIONS**

1. The definitions of each category can be found in Annex 1 - Grasslands and Savannahs

2. Source: : ILRI, IUCN, FAO, WWF, UNEP and ILC. 2021. Rangelands Atlas. Nairobi Kenya: ILRI https://www.rangelandsdata.org/atlas

An incredible variety of words are used to refer to grass dominated landscapes, among them grasslands, savannahs, rangelands, prairies, steppe, meadows, etc. each reflecting a specific context or perspective. The range of words is symptomatic of the rich diversity of these ecosystems, but it has resulted in disjointed approaches. Some academics have begun to use the term **open** ecosystems as an umbrella description to represent the collective of ecosystems principally dominated by grasses, forbs and shrubs. For the purposes of the GGSI, grasslands and savannahs are used to represent the collective framing for landscapes and ecosystems dominated by grasses, forbs and shrubs. Rangelands may also be used if it is more

appropriate to the context.

## The categories of Grasslands and Savannahs considered in this report are<sup>1</sup>



Deserts and xeric shrublands



Tropical and subtropical grasslands, savannas, and shrublands



Tundra



Temperate grasslands, savannas, and shrublands



Montane grasslands and shrublands



Mediterranean forests, woodlands, and scrub



Flooded grasslands and savannas

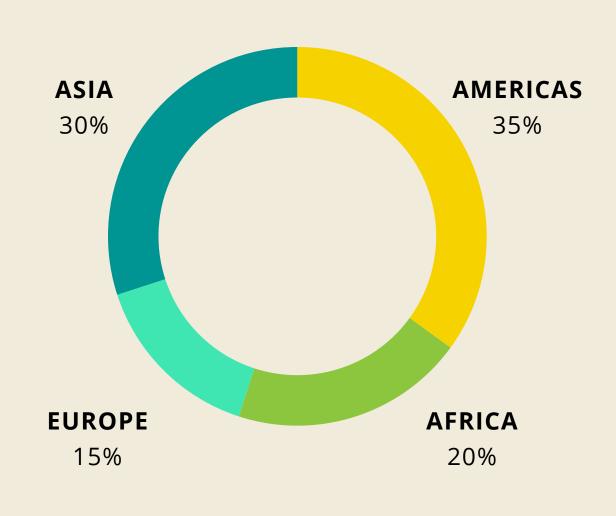
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## METHODOLOGY: DATA COLLECTION AND ANALYSIS

GrassBank presents data from a total of **19 different locations in 18 countries** across the globe (see map on page 11), provided by colleagues from the WWF network. In April 2022, staff leads for grasslands and savannahs were invited to **respond to a detailed questionnaire** about the **social, economic and environmental composition** of these regions within their countries. This report provides the results of the questionnaire, analysed at global and country levels.

The data presented here therefore represents the views of those WWF colleagues who answered the questionnaire, and can be **complemented by official data**. As such, rather than draw conclusions, the report aims to provide an overview of the **current status of the grasslands and savannahs in which WWF operates**, and the priority **strategies and interventions for conservation** going forward. More than a mere repository, the idea is that this interactive process can be repeated on an annual basis, providing **a living picture of WWF's work** in these critical ecosystems.





## **TIMELINE (2022)**

**MARCH** 

## DESIGN

- Scope of work defined
- Consultation Team established
- Research questions drafted, tested and uploaded
- Questionnaire validated by Consultation Team

**APRIL** 

## DATA COLLECTION

- On-line questionnaire disseminated to 26 countries from the WWF network
- Completed questionnaires received from 19 separate locations

MAY

## **ANALYSIS**

- Results compiled and returned to country offices for validation
- All results analysed
- Interactive map developed
- Raw data made available to the network

JUNE

## **DELIVERY**

- Draft of report
- Report shared with GGSI offices
- Report presented to wider WWF network
- Final revisions and delivery

2023

## **UPDATE**

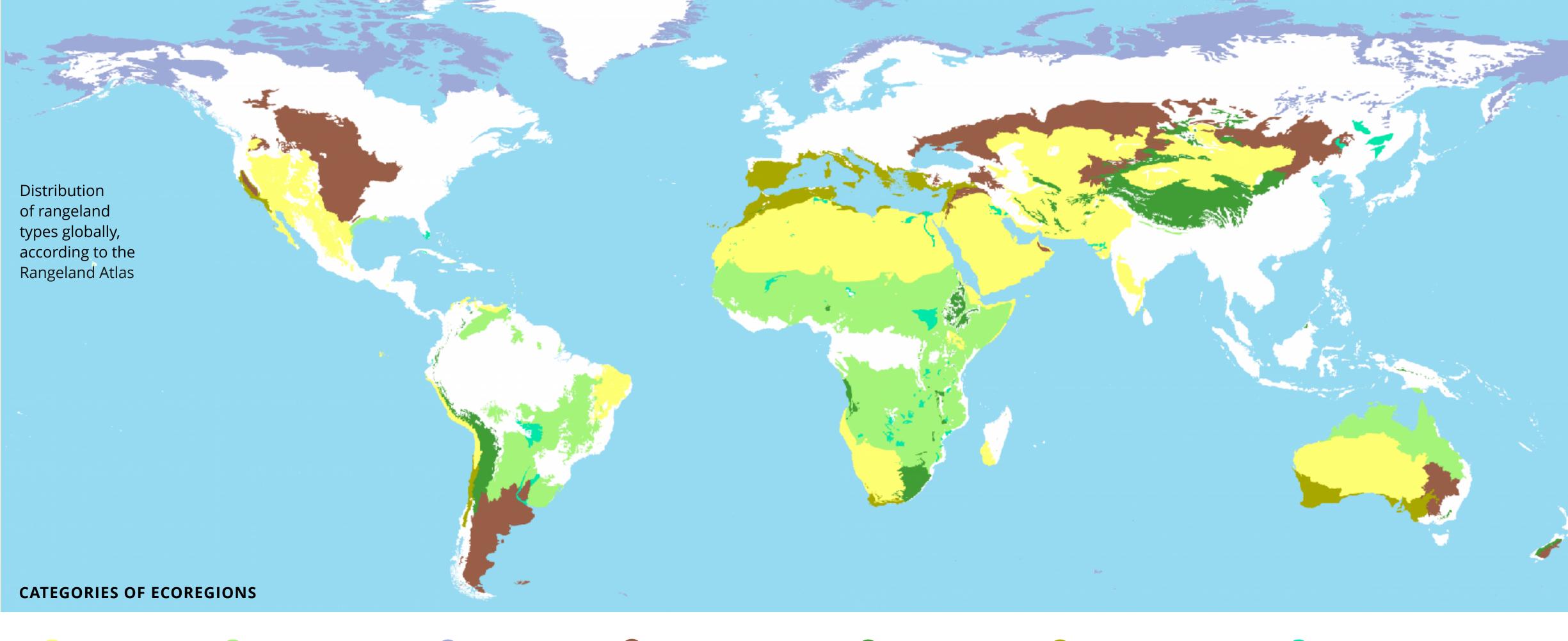
 In March 2023, the process will be repeated in a simplified way, and information on the GGSI will be updated.



GRASSLANDS and SAVANNAHS

**Global Data** 

## GRASSLANDS AND SAVANNAHS ACROSS THE GLOBE



DESERTS AND XERIC SHRUBLANDS

TROPICAL AND SUBTROPICAL GRASSLANDS, SAVANNAS, AND SHRUBLANDS

TUNDRA

15%

TEMPERATE GRASSLANDS, SAVANNAS, AND SHRUBLANDS



MONTANE GRASSLANDS AND SHRUBLANDS



MEDITERRANEAN FORESTS, WOODLANDS, AND SCRUB



FLOODED GRASSLANDS AND SAVANNAS

1%

## GGSI PARTICIPATING COUNTRIES

**SURVEY QUESTION:** What are the names of the grasslands or savannahs landscapes you work in? Which broad categories of ecoregion do they fall into? For the total area in your country, please state the approximate size in hectares of Grasslands and Savannahs n=14

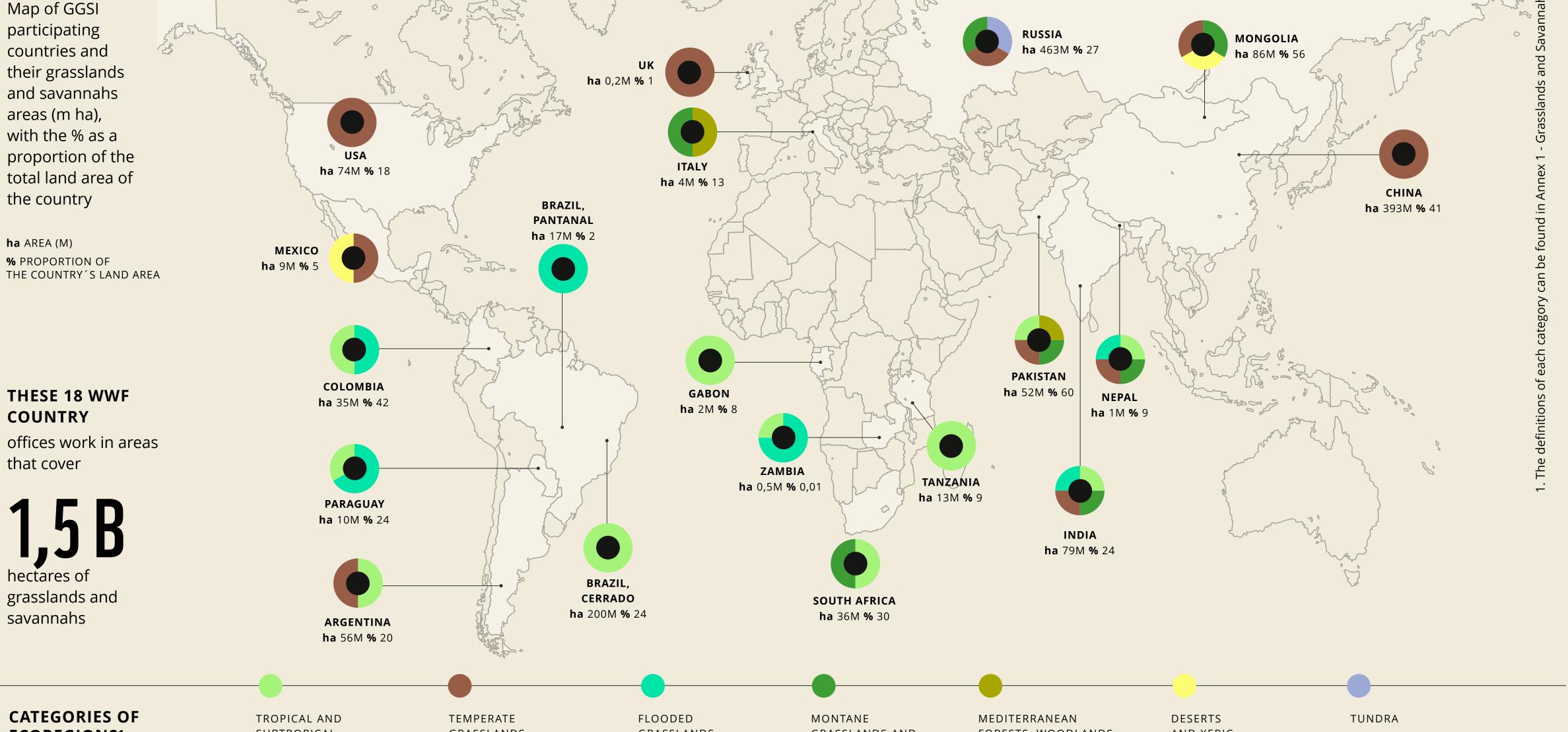
Map of GGSI participating countries and their grasslands and savannahs areas (m ha), with the % as a proportion of the total land area of the country

ha AREA (M) % PROPORTION OF THE COUNTRY'S LAND AREA

## **COUNTRY**

that cover

hectares of grasslands and



**ECOREGIONS**<sup>1</sup>

SUBTROPICAL GRASSLANDS, SAVANNAS, AND SHRUBLANDS

GRASSLANDS, SAVANNAS, AND SHRUBLANDS

GRASSLANDS AND SAVANNAS GRASSLANDS AND SHRUBLANDS

FORESTS, WOODLANDS, AND SCRUB

AND XERIC SHRUBLANDS

## MAIN ECONOMIC ACTIVITIES

**SURVEY QUESTION:** Please select the main economic activities, up to 3 (options: Commodity crop production; Energy generation; Industrial activities; Livestock production; Mining; Subsistence agriculture; Traditional herding; Tourism; Other) **n=14** 

**NEPAL** 

The three main economic activities were ranked by each country office according to their presence and relevance from a pre-established list. The rank does not necessarily represent their share in the country's GDP.

IN THE AMERICAS,

we see livestock

production and

commodity crop

accounting for the

economic activity.

We also notice less

variety of activities.

production

majority of

# COLOMBIA / **GABON BRAZIL, PANTANAL**

BRAZIL, CERRADO

ZAMBIA

Livestock production



**Traditional** herding



Commodity crop production



Subsistence agriculture



Enegy generation



Mining



**Tourism** 

**IN ASIA AND AFRICA**, traditional herding and subsistence agriculture represent more than 50% of the

economic activities.

Forestry was listed as another economic activity in Argentina and conservation grazing in the UK. Russia listed climate change and Nepal, remittance. These economic activities, with the potential to better balance economic results with environmental and social goals, have a lot of room to grow in terms of what they currently represent in which country, according to the survey.

TANZANIA

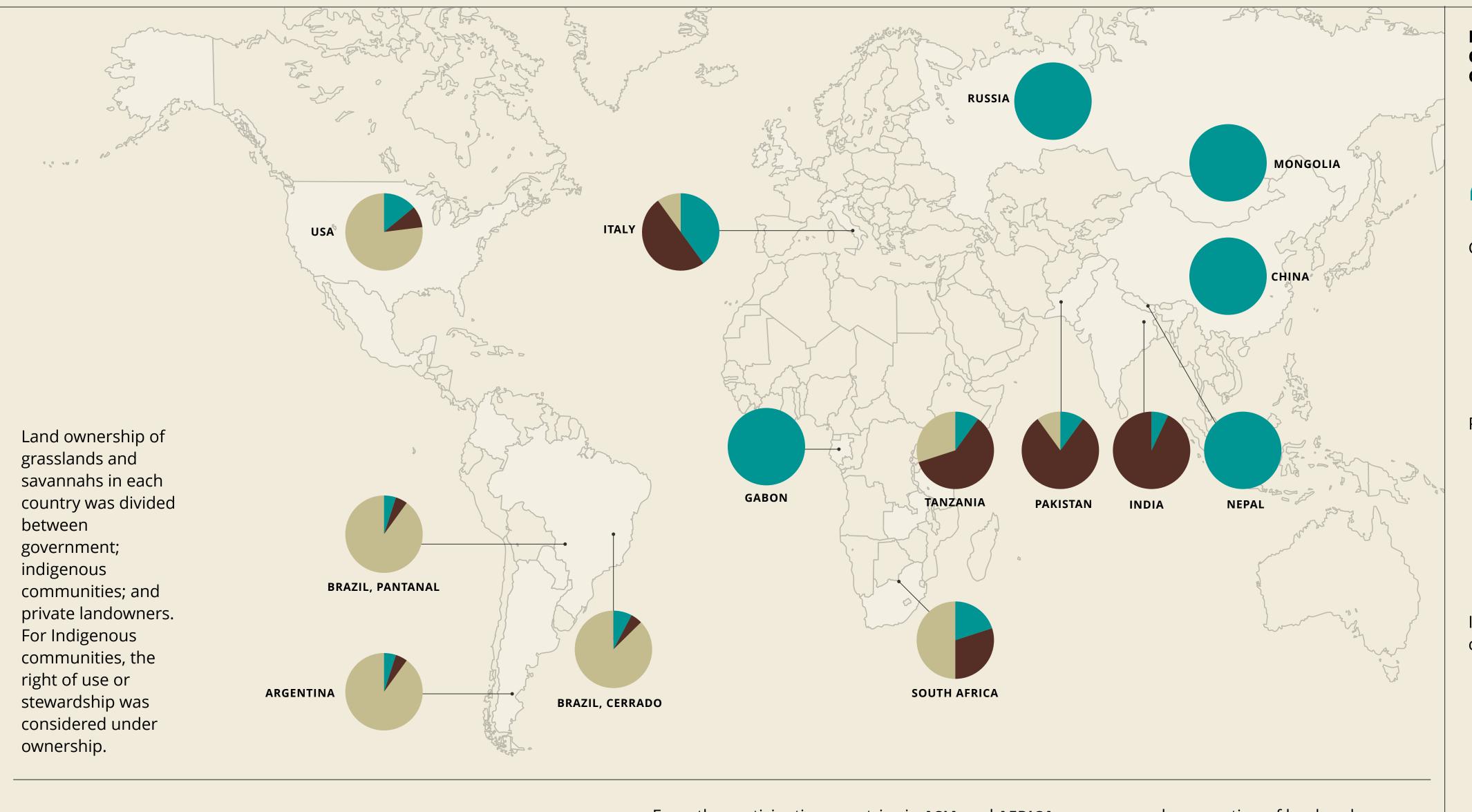
**PAKISTAN** 

**SOUTH AFRICA** 

INDIA

## DISTRIBUTION OF LAND OWNERSHIP

**SURVEY QUESTION:** Please indicate the % owned by government; indigenous communities; private landowners. **n=14** 



LAND **OWNERSHIP GLOBAL** 

Government

Private landowners

22%

Indigenous communities

From the participating countries in ASIA and AFRICA we can see a large portion of land under Government ownership. In **THE AMERICAS**, private ownership is much more common.

WWF

## PRIORITY FAUNA AND FLORA SPECIES FOR COUNTRY OFFICES



### **SURVEY QUESTION:**

In relation to Grasslands and Savannahs, which are the priority species of fauna and flora the country office works with, if any? Please list up to a maximum of five.

n=14

## **FLORA**

### China

- Leymus chinensis (Trin.) Tzvel
- Melilotus officinalis (L.) Pall
- Medicago
- Fabaceae
- Stellera chamaejasme Linn

### Nepal

- Phragmitis- Saccharum-Imperata type
- Themeda- Arundinella type
- Andropogon type
- Danthonia type
- Kobresia type

### **Pakistan**

- Pinus gerardiana (Chilghoza Pine)
- Taxus wallichiana (Yew)
- Avicennia marina (Mangrove Specie)
- Juniperus macropoda

### Tanzania

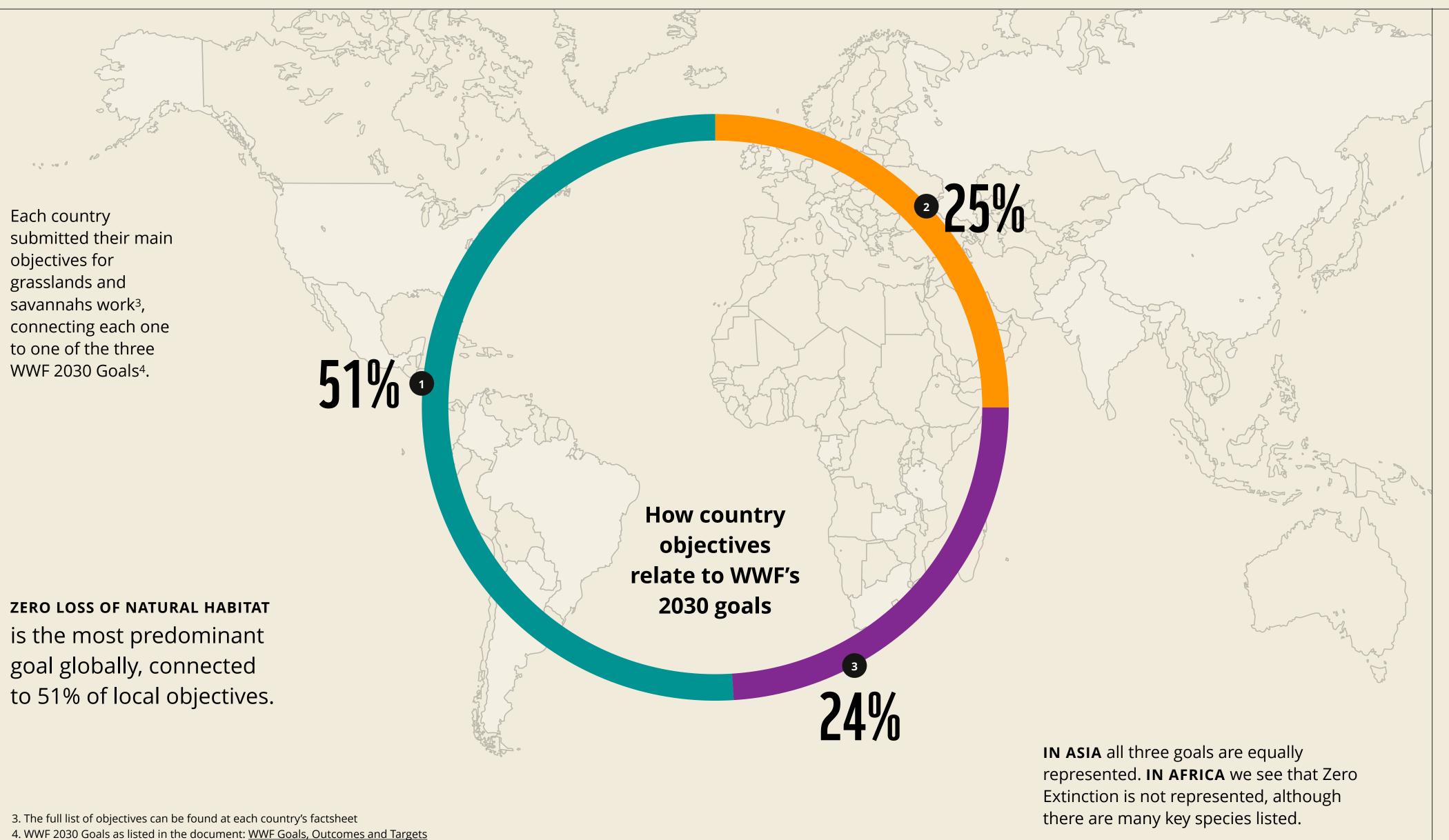
- Acacia species
- Invasive species (e.g. prosopis)

### Zambia

- Rose wood
- Zambezi teak

## LOCAL OBJECTIVES AND THE WWF 2030 GOALS

**SURVEY QUESTION:** In relation to work delivered in grasslands and savannahs what are your main objectives? (List up to 5, in order of relevance). Please link the objectives above to the most appropriate WWF 2030 Goal **n=19** 





## ZERO LOSS OF NATURAL **HABITATS**

Maintain existing natural ecosystems, conserve, use sustainably, restore & ensure climate resilience.



## <sup>2</sup> ZERO **EXTINCTION**

Stable or increasing populations of species.



## 3 HALVE **FOOTPRINT**

Of consumption & production, and halve CHG emissions.

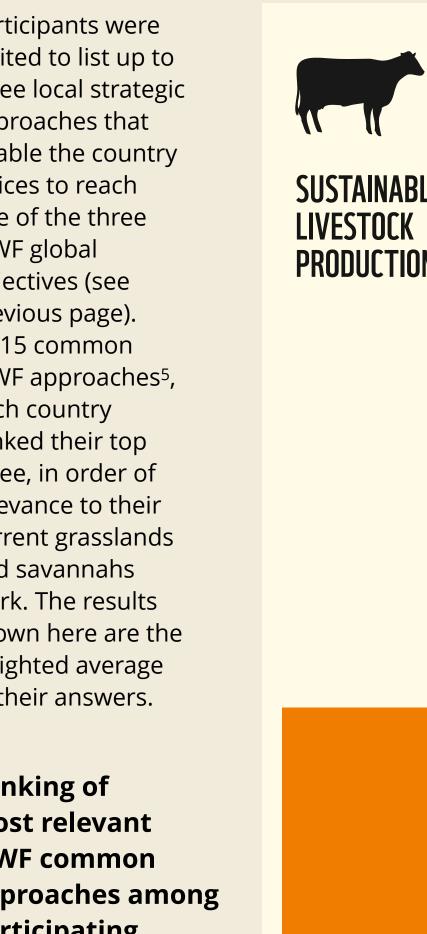
## LOCAL STRATEGIC APPROACHES TO ACHIEVING THEIR GOALS

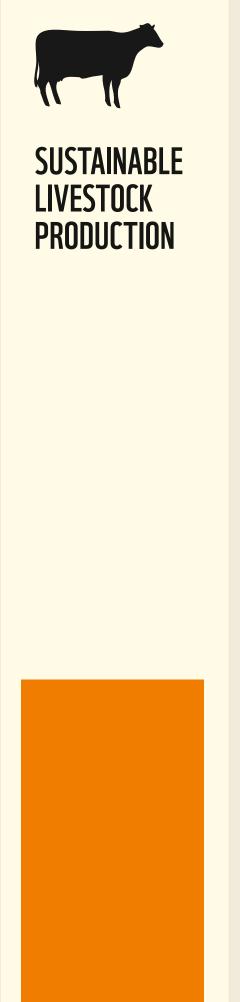
**SURVEY QUESTION:** What approaches are prioritized in your office to reach your objectives? n=19

Participants were invited to list up to three local strategic approaches that enable the country offices to reach one of the three WWF global objectives (see previous page). Of 15 common WWF approaches<sup>5</sup>, each country ranked their top three, in order of relevance to their current grasslands and savannahs work. The results shown here are the weighted average of their answers.

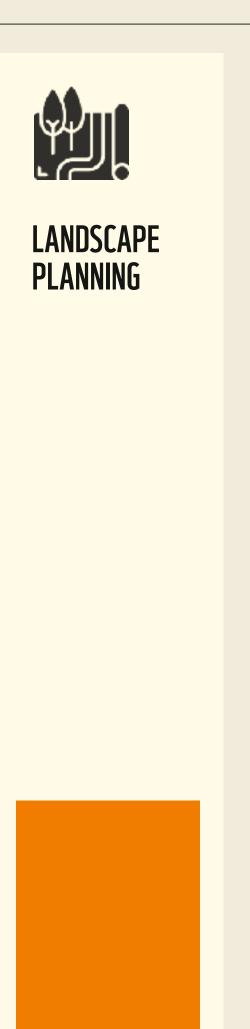
**Ranking of** most relevant **WWF** common approaches among participating countries >

5. A full list and description of each approach can be found in Annex 2.

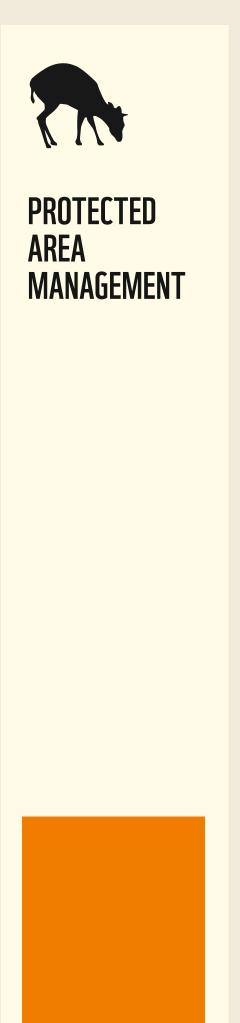




1ST



2ND



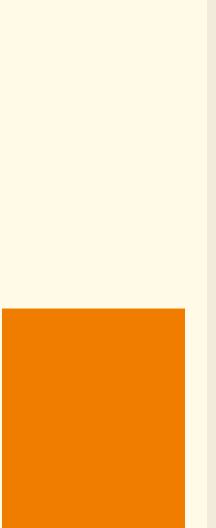
3RD



HUMAN

WILDLIFE

**CONFLICT** 

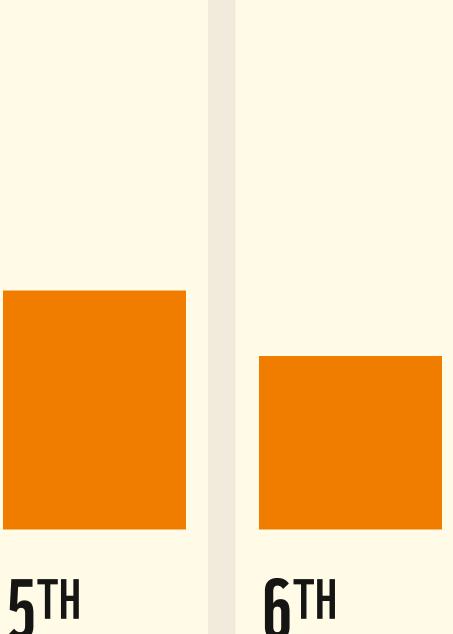


**经** 

**NATURE** 

**SOLUTIONS** 

**BASED** 





LANDSCAPE

**RESTORATION** 

LOCAL **GOVERNANCE** 

**7**TH

The single most important strategy deployed by the participating country offices is 'sustainable livestock production', demonstrating the connection between the GGSI and the Food Practice. Landscape planning, protected area management and human/ wildlife conflict complete the top four strategies.

WWF

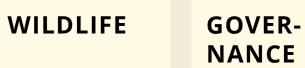
## GGSI AND LINKS TO THE WWF PRACTICES

**SURVEY QUESTION:** Which WWF cross-cutting practices are most strongly linked to your current grasslands and savannahs work? (Please rank them in order, with 1 being the most connected – options: Climate and energy; Finance; Food; Forests; Freshwater; Governance; Markets; Oceans; Wildlife) n=19

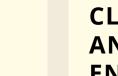
Each participating country ranked the nine WWF cross-cutting practices in order of relevance to their grasslands and savannahs strategy.

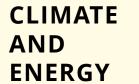


**FOOD** 





















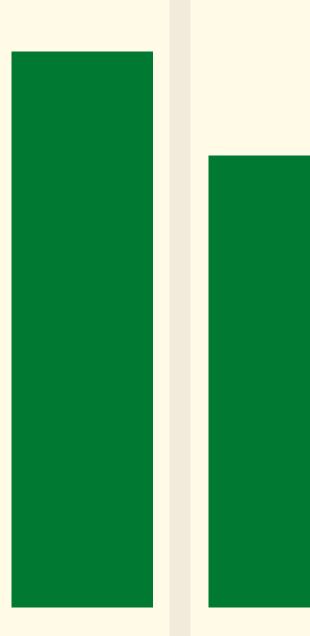
reflecting its significance as one of the main economic activities in the landscapes and impacting these ecosystems, mentioned in the questionnaire

**FOOD** ranks first,

**WILDLIFE** is second, which is also aligned to answers in other sections and the broader work of WWF.

responses.

**Ranking of** priority WWF cross-cutting practices >

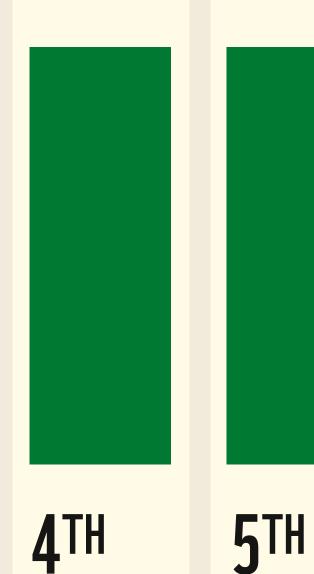


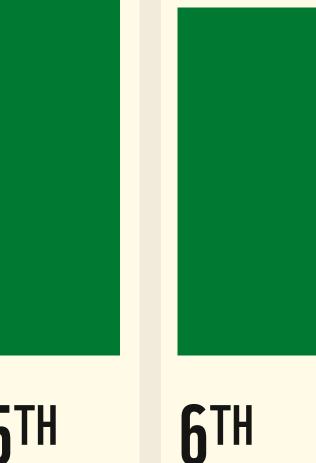
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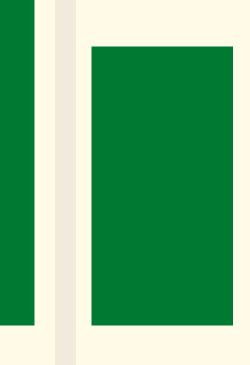


2<sub>ND</sub>



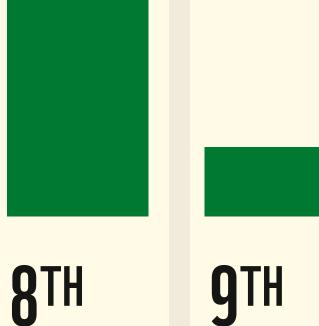






**7**TH





## PROGRESS INDICATORS

**SURVEY QUESTION:** What indicators do you use to monitor progress towards your objectives or outcomes? (Please list no more than 5 and by order of relevance) n=18

Participating country offices were asked to list the main indicators that they use to monitor progress towards achieving their objectives. For the purposes of this report, the indicators were aggregated according to specific themes, which are listed in the figure.

## **Progress indicators** grouped by key themes ▶

PROPORTIONAL SCORE OF EACH INDICATOR ←

There is significant alignment between different offices, particularly with the most important indicator, which was, for most countries, related to loss of native grasslands (ha) or, conversely, its conservation. The key themes and indicators are aligned to the results shown in the Approaches section.

## **CONSERVATION/ ZERO CONVERSION**

1ST **SUSTAINABLE** MANAGEMENT AND PRODUCTIVE **PRATICES** 





### **EXAMPLES**

- Hectares under improved livestock management
- # of integrated natural resources management plans (incl. water, rangelands, forests etc.) developed and operationalized

WILDLIFE









### **EXAMPLES**

- Measures of co-existence between people and wildlife
- Population of wildlife (elephants)

### **EXAMPLES**

- No. of ha under active and/or passive restoration process
- Hectares of areas under restoration

## SOCIAL-**ECONOMIC IMPACTS**

**EXAMPLES** 

area networks

• Loss of native vegetation in ha

incorporated into formal protected

• Area (ha) secured and





### **EXAMPLES**

- No of families and amount of income generated
- Targeted households in focal landscapes whose socio-economic well-being has improved from conservation projects

## **OTHER ENVIRONMENTAL IMPACTS**



**6**TH

### **EXAMPLES**

- Metric tons of CO<sup>2</sup>e greenhouse gas emissions mitigated
- Annual surveys for caring capacity of grasslands

**ADVOCACY** 

**7**TH



### **EXAMPLES**

- Changes in the pro-grasslands legistation and policies
- Access to innovative financial mechanisms (such as the 37D tax break for protected areas)

KNOWLEDGE

8TH



### **EXAMPLES**

- High conservation value savannahs areas mapped
- Reports and peer reviewed publications

**WWF** 

## SKILLS AND EXPERTISE AMONG LOCAL TEAMS

Each country selected their main expertise (up to 5) from a preestablished list of 15 (same as the approaches), in order of importance.



**SPECIES PROTECTION** 



PROTECTED **AREA MANAGEMENT** 



HUMAN WILDLIFE CONFLICT



**SUSTAINABLE** LIVESTOCK **PRODUCTION** 



**SUSTAINABLE** AGRICULTURE **PRODUCTION** 



LANDSCAPE **RESTORATION**  THE THREE TOP AREAS of expertise are connected to more traditional WWF work with conservation and species protection. Species protection ranks 13 out of 15 as an approach. This reveals the changing nature of WWF's work in recent years and the multidisciplinary character of Grasslands and

Savannahs work.

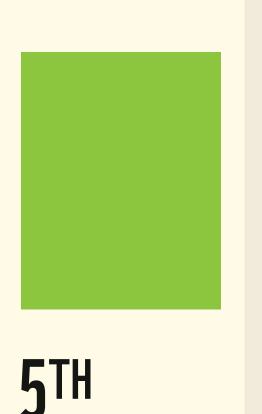


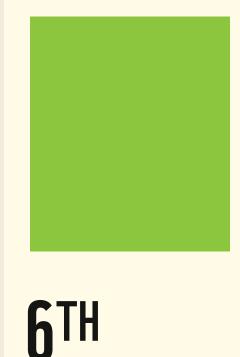
1ST











## CAPACITY BUILDING OPPORTUNITIES

**SURVEY QUESTION:** Which are the 3 priority gaps in expertise/skills that the GGSI could support the country office with? (list in order, with 1 being the most relevant) Knowledge Gaps: Which 3-5 research topics would be the most useful to advance your work on grasslands and savannahs? **n=19** 

Each country
wrote as a free
answer the top
expertises and
knowledge gaps
they would like
GGSI support for.
Their answers
were grouped by
themes.



CLIMATE
CHANGE
ADAPTATION/
MANAGEMENT
AND CARBON
SEQUESTRATION



RESTORATION OR LANDSCAPE SUSTAINABLE MANAGEMENT



FINANCE AND MARKETS



NATURE
BASED
SOLUTIONS
AND
ECOSYSTEM
SERVICES



ADVOCACY AND GOVERNANCE

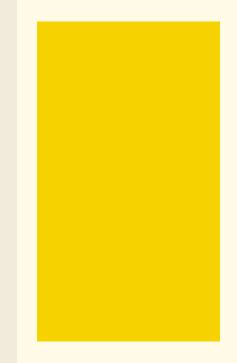


FUNDING

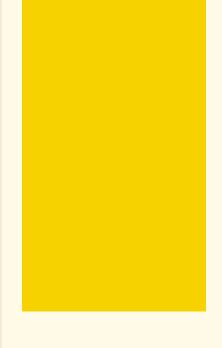


PROJECT MANAGEMENT /ORGANIZA-TIONAL SKILLS capacity building could be, potentially, catered for by the internal WWF network, based on the answers on expertise and approaches and also on support areas existing in different offices.

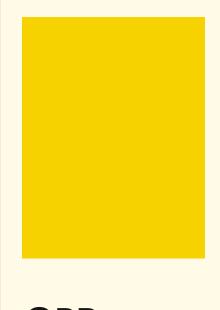
**THE TOP TWO** are connected to the final impact of the work being done, climate change adaptation and carbon sequestration; and sustainable management of landscapes.Nature based solutions and finance and markets are the next top two areas of interest, reflecting the changing nature of WWF strategy. And two operational gaps are present: funding and project management.



1ST



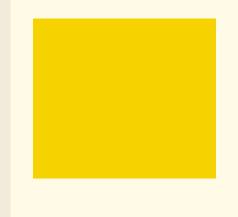
2<sub>ND</sub>



3RD



4<sup>TH</sup>



5<sup>TH</sup>



**6**TH



**7**TH

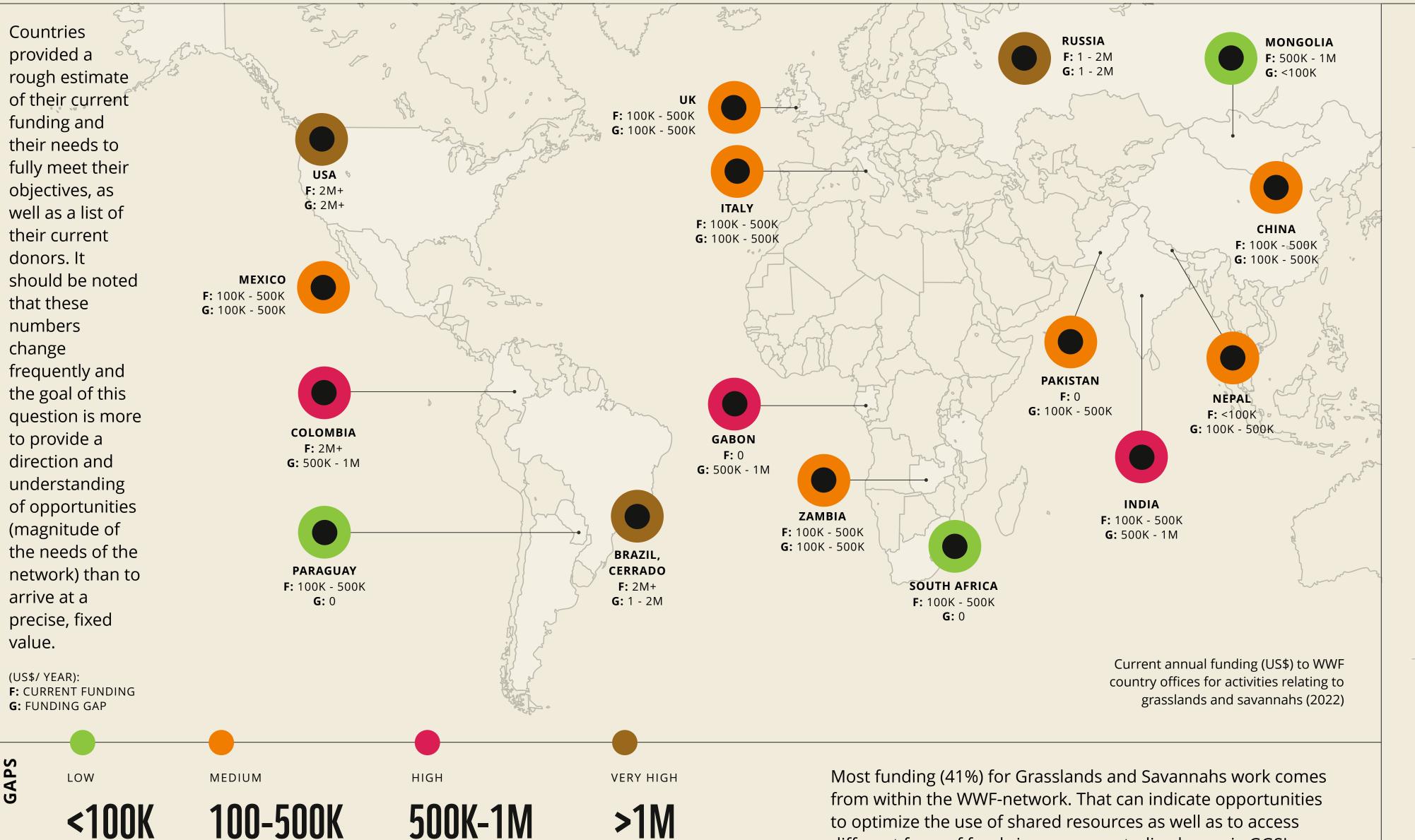
# GRASSLANDS

WWF

## COUNTRY OFFICE FUNDING

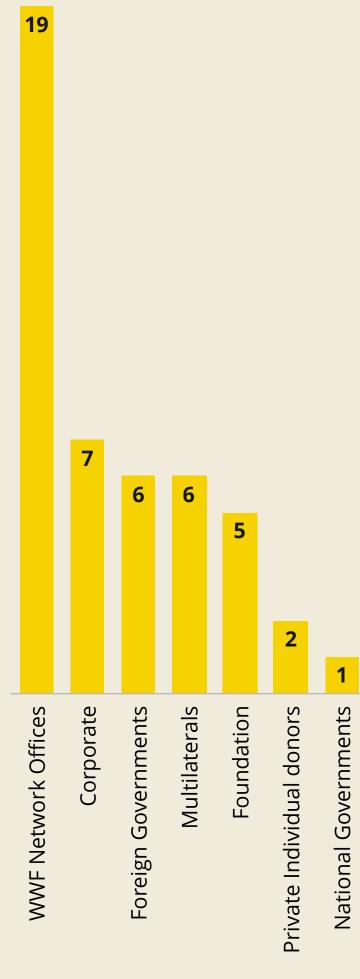
**SURVEY QUESTION:** What is the approximate total value of current funds (in USD) for grasslands and savannah programmes in your country office? When do the funds end? What annual budget (USD) does the Country Office need in order to be able to deliver all of the grasslands and savannahs objectives? List up to 5 of your current funders in order of total investment **n=16** 

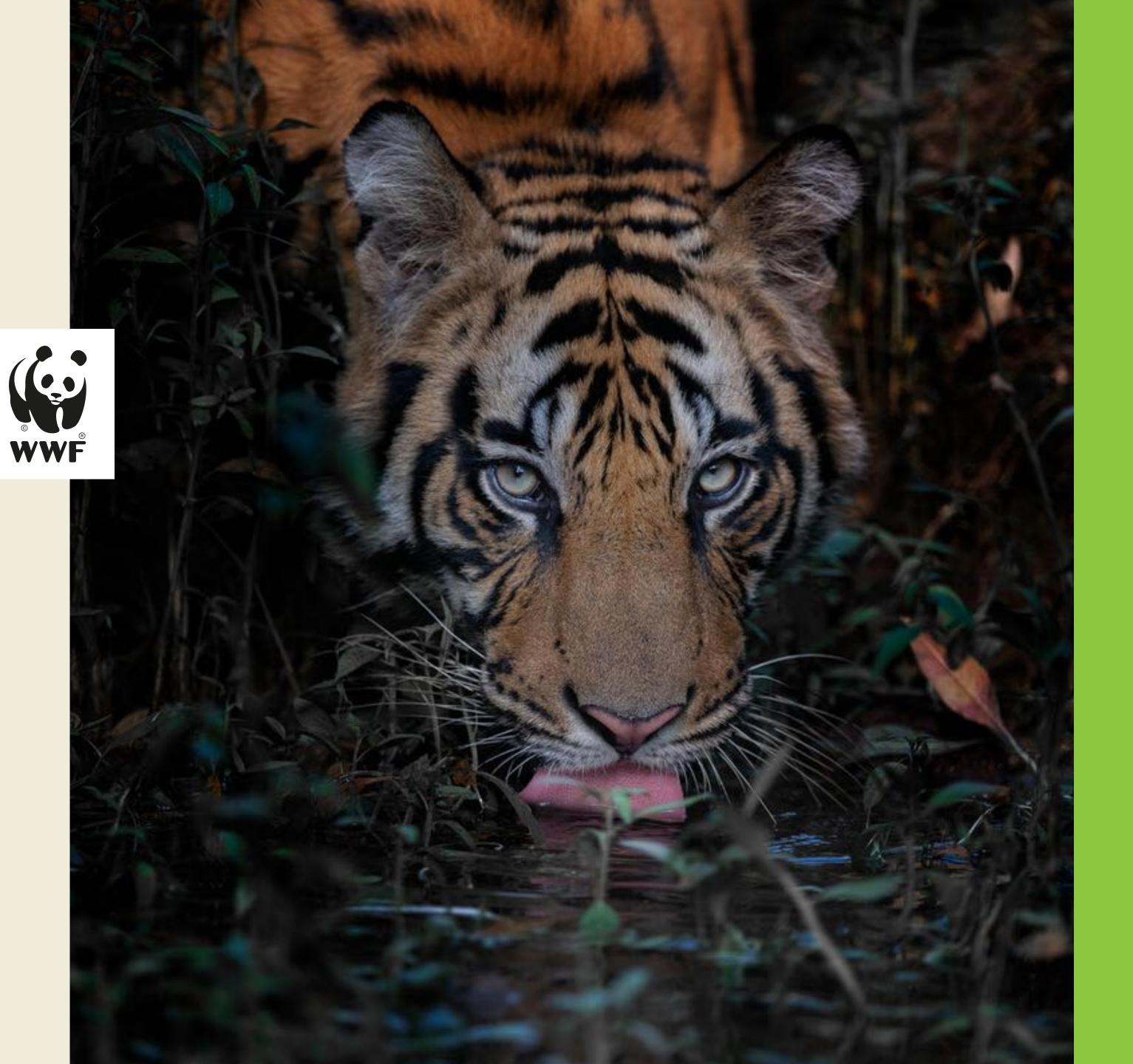
different form of funds in a more centralized way via GGSI.



### **FUNDING BY DONOR TYPE**

Sources of funding, by type of donor (16 country offices answered, some providing more than one answer)





GRASSLANDS and SAVANNAHS

3.

**Country data** 

WWF

## **ARGENTINA**

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint



## Bahia Samborombon, Pampas

Temperate grasslands, savannas, and shrublands

## Humid Chaco

Tropical and subtropical grasslands, savannas, and shrublands

G + S TEAM

full-time

part-time

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

LAND **OWNERSHIP** 

private

landowners

## **ECONOMIC ACTIVITIES:**



1st Livestock production

2st Commodity crop production 3st Forestry

### **TEAM SKILLS AND EXPERTISES**

## **SUSTAINABLE** LIVESTOCK **PRODUCTION**

- Sustainable agriculture production
- Landscape planning
- Influencing policy
- Monitoring, communication

## **CAPACITY BUILDING OPPORTUNITIES**

## INSTITUTIONAL **STRENGTHENING**

- Rangeland/ grassland capacity building
- Monitoring
- Restoration

### **WWF PRACTICES**



- 1. Food
- 2. Markets
- Finance
- Governance
- Fresh Water
- Climate and Energy

### **FUNDING** (US\$)

## Value:

not provided

## Gap:

not provided

### **Main donors:**

WWF-offices and foreign government

### **OBJECTIVES**

- BY 2025, 100% of the cattle ranches that encompass the current distribution (2017) of the Pampas Deer in the Bahía Samborombón-Laguna Salada Grande Landscape integrate the species within sustainable production systems.
- **BY 2025**, 100% of the companies prioritized by Vida Silvestre (beef, soy, fish and wood production chains), plus 20% of the country's energy production, source products that come from Sustainable Management practices and renewable sources.
- BY 2025, grassland conversion in the Bahía Samborombón-Laguna Salada Grande landscape, driven by agricultural activities, is halted and the conversion of forests, savannahs and grasslands in the Chaco region does not exceed 400,000 hectares.
- **BY 2025**, at least 100,000 ha of forests, savannahs and grasslands in the priority ecoregions are under ecological restoration processes, with a special focus on priority landscapes.

### **FAUNA**



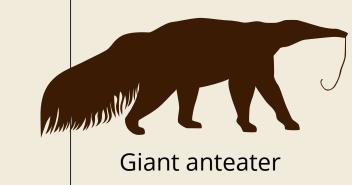
Birds





### **INDICATORS**

- 1. Loss of native vegetation in ha.
- 2. Number of ha under active and/or passive restoration process.
- 3. No. of farms that are implementing best practices (agreements with Fundación Vida Silvestre).



## BRAZIL - CERRADO

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint



**AREA** (M ha)

**PROPORTION OF LAND AREA** 

24%

LAND **OWNERSHIP** 

> 90% private

Brazilian Cerrado

Tropical and subtropical grasslands, savannas, and shrublands

G + S TEAM

full-time

part-time

200

landowners

**ECONOMIC ACTIVITIES:** 



1st Livestock production

2st Commodity crop production 3st Forestry

**TEAM SKILLS AND EXPERTISES** 

## **SUSTAINABLE AGRICULTURE PRODUCTION**

- Producer incentives
- Influencing policy
- Nature based solutions
- Landscape restoration

**CAPACITY BUILDING OPPORTUNITIES** 

## **INFLUENCING POLICY**

- Producer incentives
- Nature based solutions
- Market transformation

### WWF **PRACTICES**



- 1. Food
- Markets
- Forests
- Finance
- 5. Climate and Energy
- 6. Governance

**FUNDING** (US\$)

Value:

Gap:

2 M+

1-2M

### Main donors:

European Union WWF-UK WWF-NL **WWF-INT** WWF-US

### **OBJECTIVES**

- Zero conversion of native vegetation by 2030.
- Restoration of 2 million hectares of native vegetation by 2030.
- Rehabilitate 10 million hectares of degraded pastureland by 2030.
- Expand protected areas from 8% to 17% by 2030.
- Access to the market for 20,000 families from traditional communities by 2030.

### **INDICATORS**

- 1. Hectares of Cerrado converted (legally/illegally) on annual basis.
- 2. Hectares of degraded pastures.
- 3.% and hectares of Cerrado under protection by the Brazilian System of Protected Areas (SNUC)
- 4. Number of families and amount of income generated.
- 5. Hectares of areas under restoration.

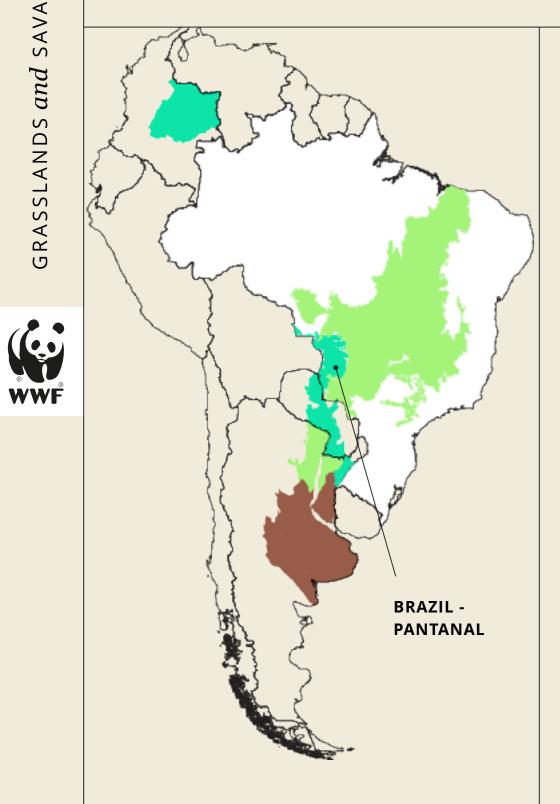


**FAUNA** 



Jaguar

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint



**AREA** (M ha)

**PROPORTION OF LAND AREA** 

2%

LAND **OWNERSHIP** 

private landowners

**CAPACITY BUILDING OPPORTUNITIES** 

## **INFLUENCING POLICY**

**TEAM SKILLS AND** 

**LANDSCAPE** 

Land or freshwater

• Sustainable livestock

stewardship

production

Protected area

management

**RESTORATION** 

**EXPERTISES** 

- Local governance
- Landscape planning

**WWF PRACTICES** 



- 1. Freshwater
- 2. Climate and Energy
- 3. Forests
- 4. Wildlife

### **OBJECTIVES**

- Restore 400k ha in the Pantanal headwaters.
- No more dams on the Pantanal headwaters.
- 7 times reduction in the number of fires.
- Reduction of jaguar and farmers conflict.

**FAUNA** 



Jaguar

## **Pantanal**

Flooded grasslands and savannas

G + S TEAM

full-time

part-time

## **ECONOMIC ACTIVITIES:**



1<sup>st</sup> Livestock production 2st Minning 3st Tourism

## **INDICATORS**

- 1. Hectares restored.
- 2. Number of dams.
- 3. Number of fires.
- 4. Jaguar population.

**FUNDING** (US\$)

Main donors:

European Union WWF Network



WWF CHINA

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

**LAND OWNERSHIP** 

Government

**ECONOMIC ACTIVITIES:** 



1st Commodity crop production

2st Livestock production **3**st Energy generation

## **OBJECTIVES**

- **BY 2035**, 50% of degraded grassland of Northeast China is restored.
- BY 2035, the biodiversity of grassland ecosystems is restored.
- BY 2035, public awareness of grassland ecological service is improved.
- BY 2035, grassland management practices for sustainable development are applied and promoted.

**TEAM SKILLS AND EXPERTISES** 

## **CAMPAIGNS**

- Landscape restoration
- Species protection
- Sustainable agriculture production
- Human wildlife conflict

**OPPORTUNITIES** FOR DEVELOPMENT

## NATURE BASED **SOLUTIONS**

- Landscape restoration
- Sustainable agriculture production

## **FAUNA**



Mongolian gazelle



Red fox



Cranes



Great bustard



WWF **PRACTICES** 



- 1. Food
- 2. Governance
- 3. Finance 4. Markets
- 5. Freshwater
- 6. Climate and Energy

### **INDICATORS**

- 1. Grassland restoration area.
- 2. Vegetation coverage of key sites.
- 3. Biodiversity index.

**FUNDING** (US\$)

Value:

100K -**500K** 

100K -500K

Gap:

Main donors: YILI Group





Northeast

Temperate

grasslands,

shrublands

savannas, and

China Region

full-time

part-time

## **COLOMBIA**

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint

RESTORATION: By 2030,

effectively conserved,

systems are nature

ecosystems, and

positive allowing the

restoration of degraded

increasing connectivity.

Key Biodiversity Areas are

populations of key species

are stabilized, community

territories are effectively

managed, and production



## Orinoquia Region, Orinoco Region

- Flooded grasslands and savannas
- Tropical and subtropical
- Grasslands, savannas, and shrublands

G + S TEAM

full-time

part-time

**AREA** (M ha)

### **SAVANNAHS**

(The Orinoquia is a bi-national basin shared with Venezuela) **TEAM SKILLS AND EXPERTISES** 

## LANDSCAPE **PLANNING**

- Local governance
- Sustainable livestock production
- Sustainable agriculture production
- Protected area expansion
- Protected areas in general, influencing policy, species protection, campaigns

### WWF **PRACTICES**



- 1. Food
- Governance
- Forests
- Freshwater
- Finance
- Climate and Energy

Gap:

**1M** 

500K-

## **ECONOMIC**

**OBJECTIVES** 

CONSERVATION-

**TRANSFORMATION:** By

2030, the systemic transformation of economic sectors is resilient and compatible with nature and a lowcarbon development.

JUST SOCIETY: By 2030, Colombian society is more just and equitable, respecting life in all its manifestations, and governance systems are inclusive and transparent.

**CITIZEN MOBILIZATION:** By 2030, Colombia has a more informed, empowered and active civil society to conserve

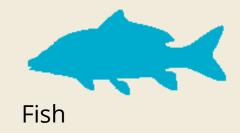
nature and maintain a

stable climate.

## **FAUNA**



**River Dolphins** 



### **ECONOMIC ACTIVITIES:**



## production

**2**st Energy generation 3st Commodity crop production

### **CAPACITY BUILDING OPPORTUNITIES**

- Local governance
- Protected area management

Main donors:

**FUNDING** (US\$)

GEF **BMU IKI** WWF NL IDB

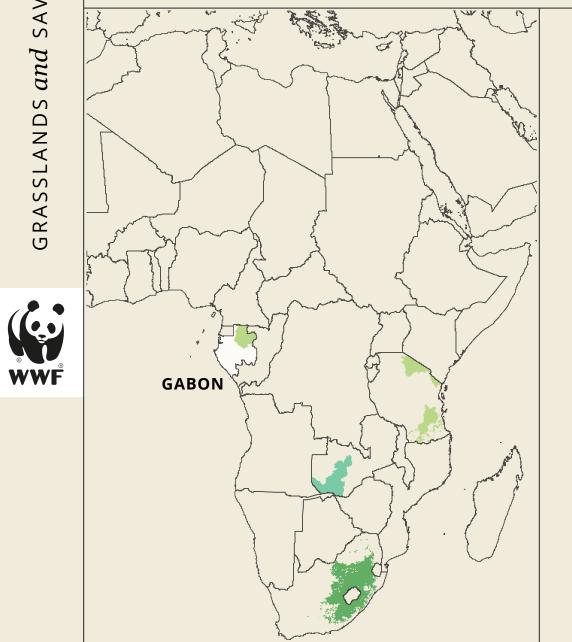
Value:

2 M+

## GABON

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint

**TEAM SKILLS AND** 



**AREA** (M ha)

**PROPORTION OF LAND AREA** 

8%

**LAND OWNERSHIP** 

Gabon state is land owner (land use concessions)

**ECONOMIC** 

**ACTIVITIES:** 

1<sup>st</sup> Commodity

**2**st Subsistance

agriculture

3st Mining

crop production

## Gamba complex

Tropical and subtropical grasslands, savannas, and shrublands

G + S TEAM

part-time

**EXPERTISES** 

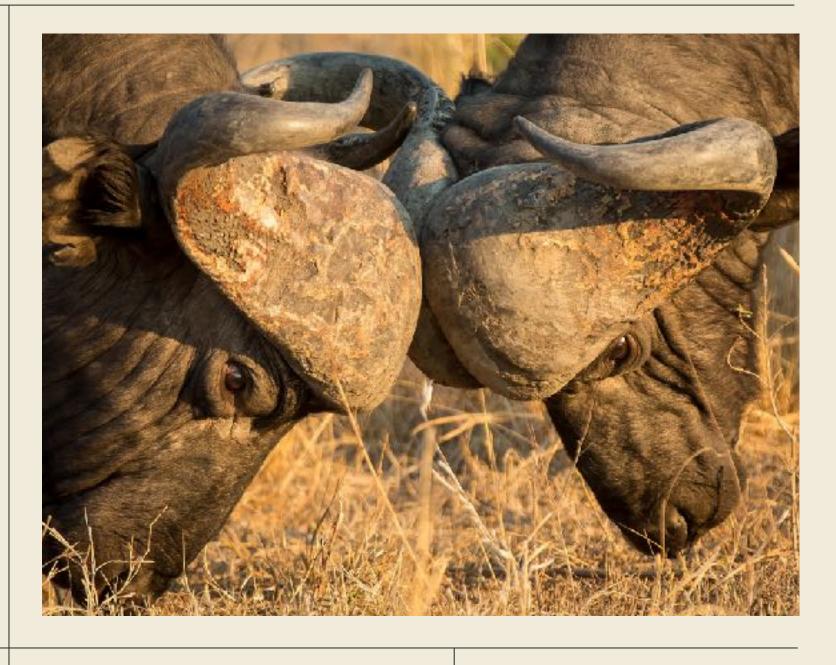
## **SUSTAINABLE AGRICULTURE PRODUCTION**

- Species protection
- Human wildlife conflict
- Landscape planning

### **WWF PRACTICES**



- 1. Food
- 2. Governance



## **CAPACITY BUILDING OPPORTUNITIES**

## SUSTAINABLE **AGRICULTURE PRODUCTION**

- Local / traditional practices
- Nature based solutions

## **OBJECTIVES**

- **BY 2035**, High Conservation Value savannahs are characterized.
- **BY 2030,** The conversion of High Conservation Value savannahs is halted.

### **INDICATORS**

- 1. High conservation value savannahs areas maintained.
- 2. High conservation value savannahs areas mapped.

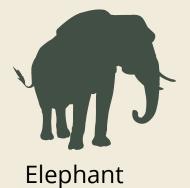
## **FUNDING (US\$)**

Gap:

**500K** -1M

Main donors: WWF NL WWF UK AFD / WWF FRANCE

## **FAUNA**

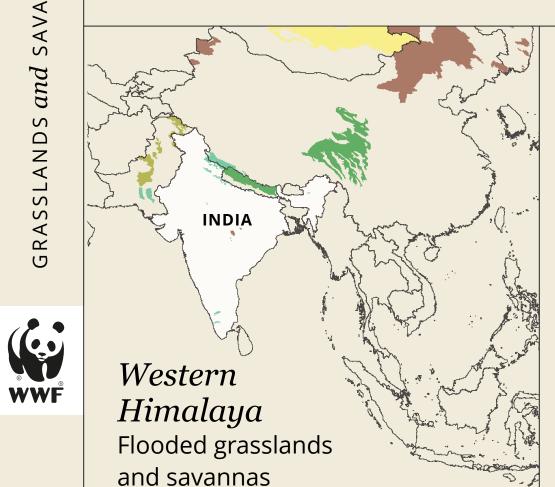




Buffalo

## INDIA

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint



Western Arunachal

Montane grasslands and shrublands

## Khangchendzonga

Temperate grasslands, savannas, and shrublands

## Terai Arc

Tropical and subtropical grasslands, savannas, and shrublands

Western Ghats

G + S TEAM

full-time

part-time

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

**LAND OWNERSHIP** 

Indigenous Communities

## **ECONOMIC ACTIVITIES:**



1st Traditional herding

**2**<sup>st</sup> Subsistance agriculture 3st Tourism

**TEAM SKILLS AND EXPERTISES** 

## **HUMAN WILDLIFE** CONFLICT

- Influencing policy
- Local / traditional practices
- Local governance

**FUNDING** (US\$)

Value:

100K -

**500K** 

Gap:

1M

WWF UK

WWF Japan

500K -

**Main donors:** 

Indian Corporate Donors

Species protection

**OPPORTUNITIES** FOR DEVELOPMENT

## **HUMAN WILDLIFE** CONFLICT

- Sustainable livestock production
- Local governance

### **WWF PRACTICES**

## ###

- 1. Governance
- Wildlife
- Food
- 4. Climate and Energy
- 5. Markets
- 6. Finance

### **INDICATORS**

- 1. Changes in the pro-grasslands legistation and policies.
- 2. Measures of co-existence between people and wildlife.
- 3. Number of community clusters developing and adopting a shared vision of rangeland management.
- 4. Reports and peer reviewed publications.

## **OBJECTIVES**

- **BY 2025,** a community led vision for management of High Altitude Rangelands is developed and implemented.
- **BY 2025**, the mapping of the High Altitude Rangelands is completed.
- **BY 2025**, the state and national policies recognize rangelands as unique ecosystems (and not miscalssify them as wastelands).
- BY 2030, fill in the knowledge gaps by conducting multiple studies on rangeland mapping, dynamics, interactions and nutrient cycling.
- **BY 2030**, there is close to zero retaliatory killing of grassland carnivores.



Indian Rhino



**Snow Leopard** 



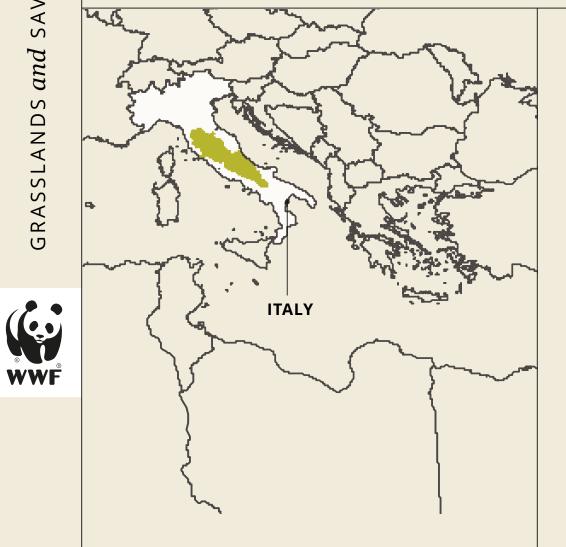
Asian Elephant



Nilgiri Tahr

## **ITALY**

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint



Central Apennines Mediterranean forests, woodlands, and scrub

## Central Eastern Italian Alps

Montane grasslands and shrublands

Sicily

G + S TEAM

full-time

part-time

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

LAND **OWNERSHIP** 

> private landowners

**ECONOMIC** 

**ACTIVITIES:** 

1<sup>st</sup> Traditional

**2**st Livestock

production

3st Tourism

herding

### **TEAM SKILLS AND EXPERTISES**

## HUMAN WILDLIFE CONFLICT

- Protected area management
- Sustainable livestock production
- Local / traditional practices
- Campaigns

- Protected area management

### **INDICATORS**

- Target species population size and trends.
- 2. Human-induced mortality of carnivores.
- **3.** Economic trends in traditional farming activities.

**WWF** 

**PRACTICES** 

1. Wildlife

4. Forests

5. Markets

6. Freshwater

3. Climate and Energy

2. Food

## **OBJECTIVES**

- Facilitate the expansion of brown bear population through the enhancement of connectivity and mortality reduction.
- Support coexistence of large carnivores with pastoralism.
- Promote a shift towards extensive livestock production.

### Value:

100K-500K

EU

Private donor

### **FAUNA**



Marsican Brown Bear



Bonelli's Eagle



Egyptian Vulture

## **CAPACITY BUILDING OPPORTUNITIES**

Local / traditional practices

### Gap:

100K-500K

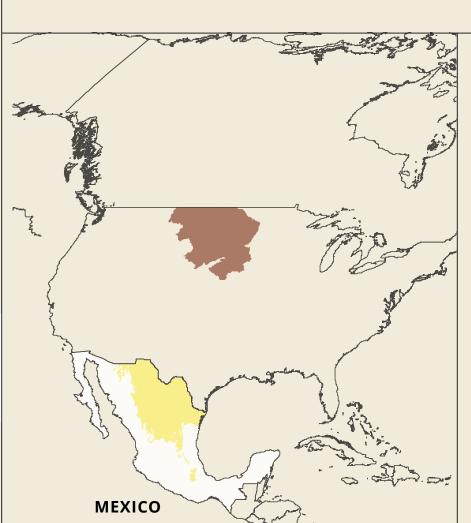
### **Main donors:**

Corporate donors

## **MEXICO**

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint

**OBJECTIVES** 



**AREA** (M ha)

**AND EXPERTISES** 

**TEAM SKILLS** 

## **SPECIES PROTECTION**

- Sustainable livestock production
- Local governance
- Human wildlife conflict
- Climate change adaptation

**CAPACITY BUILDING OPPORTUNITIES** 

## **SUSTAINABLE PRODUCTION**

- Climate change adaptation
- Species protection

**LIVESTOCK** 

consolidated through generation of science, society mobilization, development of

- **BY 2024**, over 250,000 hectares in three terrestrial corridors build sustainable rural development models that diminish unsustainable cattle grazing practices and stop soil degradation and deforestation.
- BY 2024, a priority pollination corridor is financial incentives and the implementation of best productive practices that build resilience for biodiversity and the productive sector.

## **FAUNA**



Monarch butterfly



Other pollinators

**PROPORTION OF LAND AREA** 

WWF **PRACTICES** 



**ECONOMIC ACTIVITIES:** 



1st Livestock production

**2**<sup>st</sup> Commodity crop production 1. Food

2. Climate and Energy

3. Wildlife

**FUNDING** (US\$)

Value:

100K-500K

Gap:

100K-500K

Main donors: Global EbA Fund

## **INDICATORS**

- 1. Hectares under improved livestock management.
- 2. Rancher groups implementing livestock sustainable practices.



Chihuahuan

grasslands

shrublands

Temperate

grasslands,

shrublands

savannas, and

Deserts and xeric

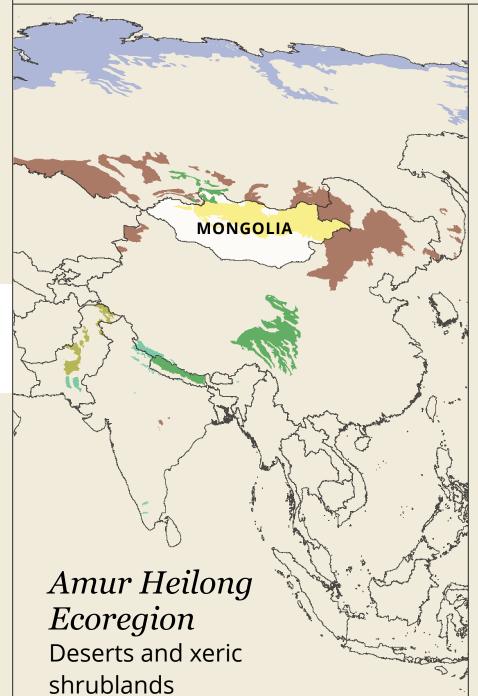
Desert

part-time

WWF

## MONGOLIA

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint



Altai Sayan Montane Forest

- Montane grasslands and shrublands
- Temperate grasslands, savannas, and shrublands

G + S TEAM

full-time

part-time

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

56%

LAND **OWNERSHIP** 

Government

**ECONOMIC ACTIVITIES:** 



1stLivestock production

2<sup>st</sup> Commodity crop production **3**<sup>st</sup> Traditional herding

**TEAM SKILLS AND EXPERTISES** 

## **CAMPAIGNS**

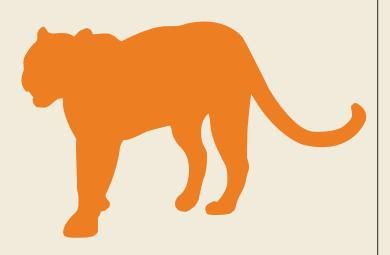
- Protected area management
- Species protection
- Landscape planning
- Local governance

**CAPACITY BUILDING OPPORTUNITIES** 

## **LANDSCAPE PLANNING**

- Sustainable livestock production
- Sustainable agriculture production

**WWF PRACTICES** 



- 1. Wildlife
- 2. Oceans

**OBJECTIVES** 

- Strengthening the enabling environment for the sustainable management of drylands in Mongolia.
- Scaling up sustainable dryland management in the Eastern Steppe of Mongolia.
- Strengthening biodiversity conservation and landscape connectivity.

**FAUNA** 



Mongolian gazelle



Mongolian saiga antelope



White naped crane



Great bustard

**FUNDING** (US\$)

Value:

500K-1M

Gap:

<100K

Main donors: GEF

**INDICATORS** 

- 1. Hectares of terrestrial protected areas under improved management for conservation and sustainable use.
- 2. Hectares of landscapes under improved practices.
- 3. Metric tons of CO2e greenhouse gas emissions mitigated.
- 4. Hectares of land restored.
- 5. Direct beneficiaries (at least 40% of both women and men).

WWF

## **NEPAL**

**NEPAL** 

Terai Arc Landscape Flooded grasslands and savannas

Sacred Himalayan Landscape

Montane grasslands and shrublands

## Chitwan Annapurna Landscape

Temperate grasslands, savannas, and shrublands Tropical and subtropical grasslands, savannas, and shrublands

G + S TEAM

full-time

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

LAND **OWNERSHIP** 

Government

## **ECONOMIC ACTIVITIES:**



1<sup>st</sup> Subsistance agriculture

**2**st Traditional herding 3st Tourism

**TEAM SKILLS** AND EXPERTISES

## **PROTECTED** AREA **MANAGEMENT**

- Species protection
- Landscape restoration
- Climate change adaptation
- Human wildlife conflict
- Governance

**CAPACITY BUILDING OPPORTUNITIES** 

## **LANDSCAPE RESTORATION**

- Proteced area management
- Species protection

**FUNDING** (US\$)

100K-500K

**Main donors:** 

WWF US

WWF UK

WWF DE

**WWF** Finland

**WWF** Canada

Value:

Gap:

< 100K

**OBJECTIVES** 

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint

BY 2025, Management of critical grassland habitat for enriching vulnerable wildlife

population.



**FAUNA** 

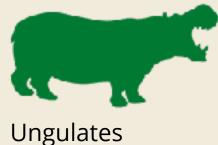
BY 2025,

Management of critical grassland habitat in corridors for facilitating wildlife dispersal.



BY 2025,

Providing enabling environment for conservation of critical ecosystems in the landscape.



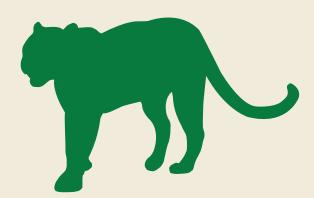
### **INDICATORS**

1. Area of forest, grassland and rangeland under protection or management.



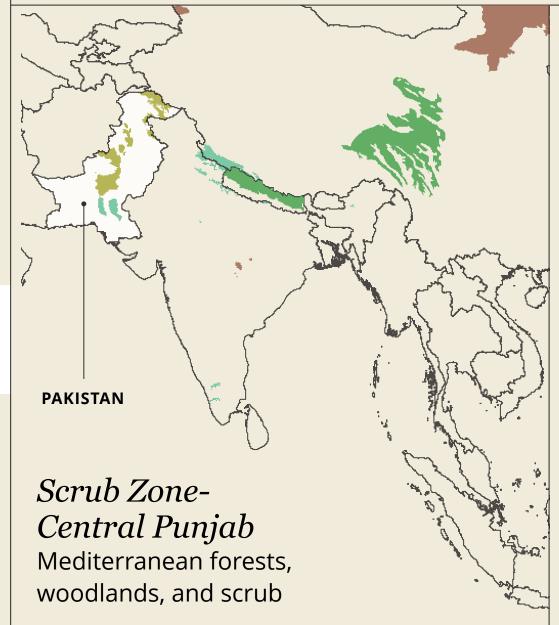
Snow Leopard

## **WWF PRACTICES**



- 1. Wildlife
- 2. Forests
- 3. Governance
- 4. Climate and Energy
- 5. Freshwater
- 6. Food

WWF



Moist Temperate-Hazara and Malakand Region Montane grasslands and shrublands

Dry Temerate-Suleman Range, Chitral and Gilgit Baltistan Region

Temperate grasslands, savannas, and shrublands

Sub Alpine Pastures- Chitral and Gilgit Baltistan Region

Tropical and subtropical grasslands, savannas, and shrublands

Mangroves-Coastal Region Mangroves

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

60%

LAND **OWNERSHIP** 

Private landowners

## **ECONOMIC ACTIVITIES:**



1<sup>st</sup> Subsistance agriculture

2st Traditional herding 3st Tourism

### **TEAM SKILLS AND EXPERTISES**

## HUMAN WILDLIFE CONFLICT

- Land or freshwater stewardship
- Nature based solutions
- Protected area management
- Species protection
- Sustainable Agriculture Production

### **CAPACITY BUILDING OPPORTUNITIES**

## **NATURE BASED SOLUTIONS**

- Proteced area management
- Sustainable agriculture production

### WWF **PRACTICES**



- 1. Forests
- Food
- Climate and Energy
- Wildlife
- Freshwater
- Governance

## G + S TEAM

part-time

### **OBJECTIVES**

- Rehabilitation of forest grassland (2500 ha).
- Approximately o.6 million ha of land is under sustainable agriculture by WWF-Pakistan.
- At least 25,000 ha of critical forest ecosystems/protected areas brought under sustainable management.

### **INDICATORS**

- 1. Rangeland Degradation Rate.
- 2. Land use change analysis through GIS and RS.
- 3. Annual surveys for caring capacity of grasslands.

**FUNDING** (US\$)

Gap:

100K-500K

### **FAUNA**







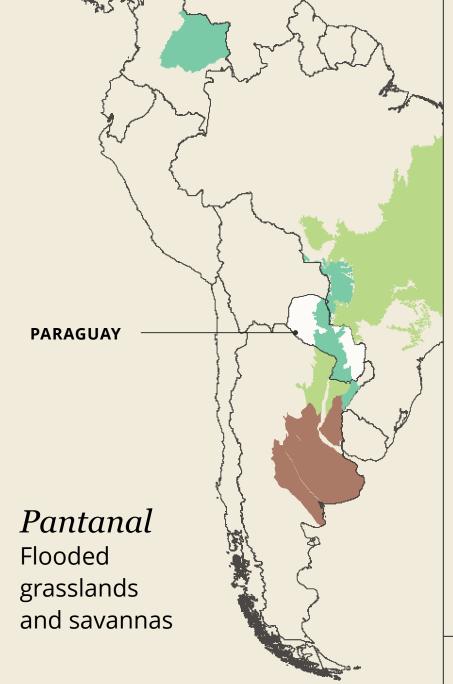








WWF



Cerrado

Tropical and subtropical grasslands, savannas, and shrublands

## Humid Chaco

Flooded grasslands and savannas

G + S TEAM

part-time

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

24%

**TEAM SKILLS AND EXPERTISES** 

## LAND OR **FRESHWATER STEWARDSHIP**

- Sustainable livestock production
- Landscape planning
- Protected area management
- Human wildlife conflict

**ECONOMIC ACTIVITIES:** 

1st Livestock

**2**<sup>st</sup> Commodity crop

production

production

agriculture

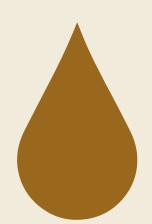
3st Subsistance

**CAPACITY BUILDING OPPORTUNITIES** 

- Campaigns
- Producer incentives

**PRACTICES** 

WWF



- 1. Freshwater
- Governance
- Climate and Energy
- 4. Wildlife
- Finance
- 6. Food

**FUNDING** (US\$) Value:

100K-500K

**Main donors:** 

EU IKI - BMU GEF - CI **WWF NL** 

### **OBJECTIVES**

- BY 2025, critical ecosystems are effectively protected against large and unusual wildfires (Strategic outcome).
- BY 2025, at least three incentives are identified, strengthened, and/or promoted to ensure conservation of natural resources and sustainable development.
- BY 2025, at least four public/private protected areas in the Chaco-Cerrado-Pantanal region are provided financial and technical support to improve their status and management effectiveness.
- BY 2025, support expansion of protected and conserved areas by 100,000 hectares through alternative conservation strategies (e.g., certified forests, private PA, voluntary corridors).
- BY 2025, support at least two institutions or initiatives that implement ecosystem restoration activities in the Chaco-Cerrado-Pantanal region.

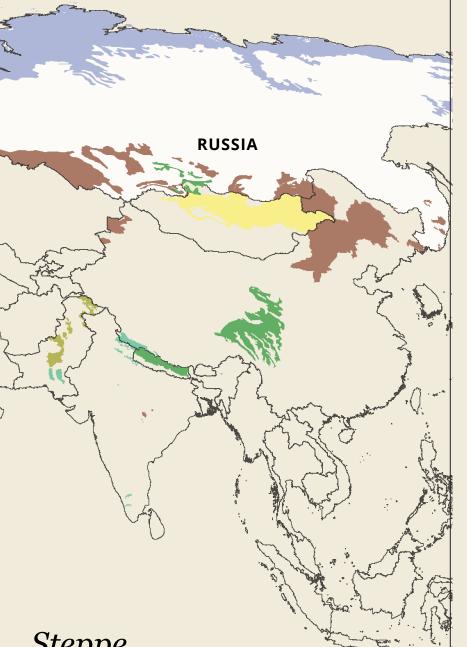
### **INDICATORS**

- 1. Campaigns, local partners engagement, policy making and strategies against wildfires.
- 2. Incentives for conservation of natural resources and sustainable development.
- 3. Protected Areas with management effectiveness improved.
- 4. Hectares conserved through alternative conservation strategies.
- 5. Hectares of restored ecosystems.

**FAUNA** 



Jaguar



Steppe

Temperate grasslands, savannas, and shrublands

## Alpine meadow

Montane grasslands and shrublands

Tundra Tundra

G + S TEAM

part-time

**AREA** (M ha)

463

**PROPORTION OF LAND AREA** 

**27**%

LAND **OWNERSHIP** 

Government

## **ECONOMIC ACTIVITIES:**



## 1st Livestock production

2st Subsistance agriculture 3st Commodity crop production **TEAM SKILLS AND EXPERTISES** 

## **PROTECTED AREA**

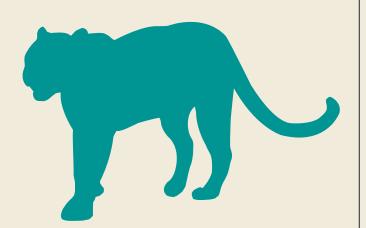
- Species protection
- Protected area expansion
- Human wildlife conflict
- Local / traditional practices

**CAPACITY BUILDING OPPORTUNITIES** 

## **LANDSCAPE PLANNING**

- Human wildlife conflict
- Local / traditional practices

**WWF PRACTICES** 



- 1. Wildlife
- 2. Climate and Energy
- Food
- Freshwater
- 5. Markets

**FUNDING** (US\$)

Value:

1M - 2M

Gap:

1M - 2M

## **OBJECTIVES**

- Total coverage of Priority areas conserved by PAs and OECMs in all biomes increased.
- Priority species' populations are stable, or increased. Key habitats conserved.
- Target priority areas and species populations restored.
- Adaptation projects facilitate achieving WWF's environmental goals and improve the living conditions of local people.
- Eliminate, or minimise impacts on priority ecosystems and species from key economic sectors and projects.

### **INDICATORS**

- 1. New PAs are created to conserve: 6,300,00 ha of tundra ecosystems, 203,000 ha of the steppes, 340,000 ha of highlands.
- 2. Natural resources management on 300,000 ha of tundra, on 210,000 ha of steppe, 385,000 ha of highlands is carried out in accordance with environmental requirements.
- **3.** 185,000 ha a of saiga habitats are restored.
- **4.** 5,718,000 ha of PAs are created to conserve reindeer habitats.
- **5.** Population is stable or growing for saiga, reindeer and snow leopard.

### **FAUNA**



**Snow Leopard** 



Argali



Mongolian gazelle



Saiga



Kulan (Asiatic wild ass,) goitered gazelle, reindeer

WWF

# **SOUTH AFRICA**

SOUTH AFRICA

Highveld grasslands Montane grasslands and shrublands

Drakensberg montane grasslands Tropical and subtropical grasslands, savannas, and

G + S TEAM

shrublands

full-time

**AREA** (M ha)

36

**PROPORTION OF LAND AREA** 

30%

LAND **OWNERSHIP** 

Private landowners

### **ECONOMIC ACTIVITIES:**



1<sup>st</sup> Subsistance agriculture

**2**<sup>st</sup> Traditional herding 3st Tourism

**TEAM SKILLS AND EXPERTISES** 

### **PROTECTED AREA EXPANSION**

- •Protected area management
- Sustainable livestock production
- Species protection
- Land or freshwater stewardship

WWF

**PRACTICES** 

1. Freshwater

3. Climate and

Energy

Finance

6. Governance

4. Wildlife

2. Food

**CAPACITY BUILDING OPPORTUNITIES** 

## **PROTECTED** AREA **EXPANSION**

- Proteced area management
- Sustainable livestock production

### **OBJECTIVES**

Protect/Secure/Manage prioritized land that align with the Vision, Objectives and Targets of WWF-SA.

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint

- Capacitate institutions and partners relevant to the achievement of targets.
- Enhance efficiency and effectiveness of the programme in the context of WWF-SAs internal governance processes.

**FAUNA** 







Blue Crane



Oribi antelope



Rhino and elephant

**FUNDING** (US\$)

Value:

100K-500K

### **Main donors:**

Fronemann bequest Nedbank Green Trust National Parks Trust of SA H&M and Kerring Johannesburg Stock Exchange

#### **INDICATORS**

- 1. Area (ha) secured and incorporated into formal protected area networks.
- 2. Implementation of METT to ensure appropriate management of conservation areas.
- **3.** Access to innovative financial mechanisms (such as the 37D tax break for protected areas).
- 4. Job creation and capacity development in community space for improved management of landscapes.



Southern Kenya -Northern Tanzania (SOKNOT)

Tropical and subtropical grasslands, savannas, and shrublands

G + S TEAM

part-time

**AREA** (M ha)

**PROPORTION OF LAND AREA** 

9%

LAND **OWNERSHIP** 

30% Private landowners

**ECONOMIC ACTIVITIES:** 



1st Traditional herding

2st Subsistance agriculture 3st Tourism

**TEAM SKILLS AND EXPERTISES** 

## **SPECIES PROTECTION**

- Human wildlife conflict
- Protected area management
- Nature based solutions
- Influencing policy

WWF

**PRACTICES** 

1. Wildlife

Food

6. Markets

2. Freshwater

4. Governance

5. Climate and Energy

 Community-Based Natural Resource Management (CBNRM)

**CAPACITY BUILDING OPPORTUNITIES** 

# **SUSTAINABLE LIVESTOCK** PRODUCTION

- Human wildlife conflict
- Landscape planning

### **OBJECTIVES**

- BY END FY25, grass-, rangelands and farms are sustainably managed in 50% of identified target areas incl. climate-smart practices and improved irrigation.
- BY END FY25, land use/spatial plans developed in all target areas including the demarcation of conservation / migration zones and rangelands.



### **FUNDING** (US\$)

### **Main donors:**

German Ministry of Economic Development and Cooperation (BMZ)

**UK** Foreign Commonwealth **Development Office** (FCDO)

German Technical Cooperation (GIZ)

### **INDICATORS**

and restored.

- 1. Number of land use plans developed and implemented.
- 2. Number of integrated natural resources management plans (incl. water, rangelands, forests etc.) developed and operationalized. 3. Area (ha) of forests/ rangelands/wetlands sustainably managed

#### **FAUNA**



Elephants

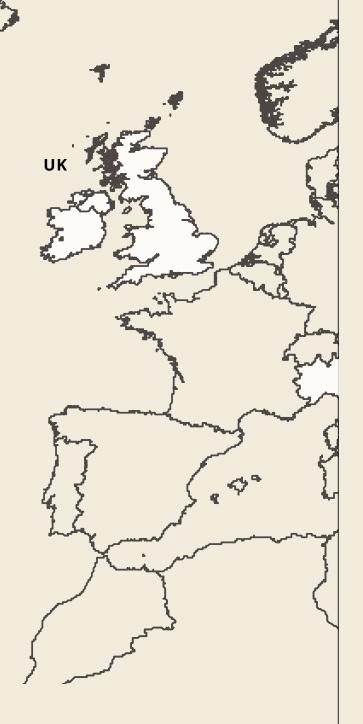


Lions

38

WWF





**AREA** (M ha)

190

**PROPORTION OF LAND AREA** 

0,8%

UK lowland grasslands

Temperate grasslands, savannas, and shrublands

G + S TEAM

part-time

**ECONOMIC ACTIVITIES:** 



1<sup>st</sup> Livestock production 2st Subsistance

agriculture

**TEAM SKILLS AND EXPERTISES** 

## **SUSTAINABLE AGRICULTURE PRODUCTION**

- Producer incentives
- Influencing policy
- Nature based solutions
- Landscape restoration

**CAPACITY BUILDING OPPORTUNITIES** 

### **INFLUENCING POLICY**

- Producer incentives
- Nature based solutions
- Market transformation

### WWF **PRACTICES**



- 1. Food
- 2. Markets
- Forests
- Finance
- 5. Climate and Energy
- 6. Governance



Value:

Gap:

2 M+

1-2M

### Main donors:

European Union WWF-UK WWF-NL **WWF-INT** WWF-US



### **OBJECTIVES**

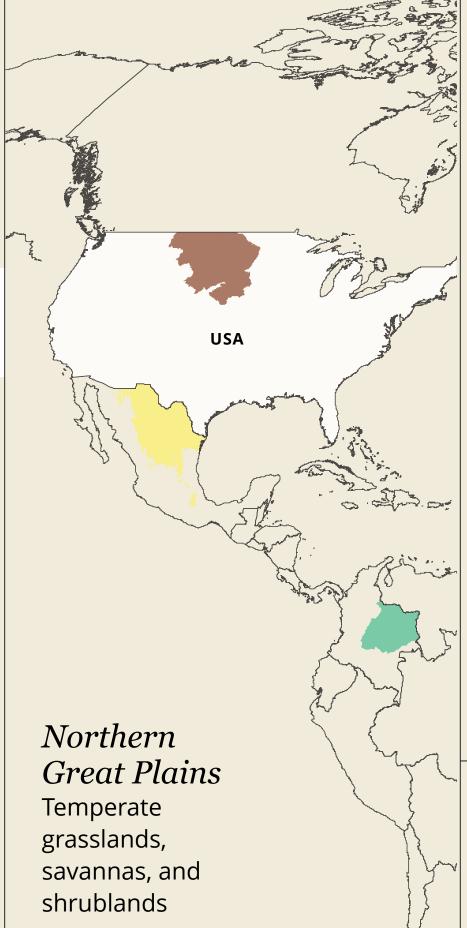
185ha of wildflower protection and restoration - funded by a partnership with Air Wick by Botanica (part of Reckitt).

#### **INDICATORS**

1. Delivery of 185 ha of protection / restoration.



WWF



**AREA** (M ha)

**PROPORTION OF LAND AREA** 

LAND **OWNERSHIP** 

> Private landowners

**ECONOMIC ACTIVITIES:** 



1<sup>st</sup> Livestock production

**2**st Commodity crop production 3st Energy generation

**TEAM SKILLS AND EXPERTISES** 

## **SPECIES PROTECTION**

- Sustainable livestock production
- Landscape planning
- Local / traditional practices
- Land or freshwater stewardship

**WWF** 

**PRACTICES** 

1. Food

2. Wildlifes

3. Markets

4. Finance

6. Governance

5. Climate and Energy

**CAPACITY BUILDING OPPORTUNITIES** 

## **SUSTAINABLE LIVESTOCK PRODUCTION**

- · Local / traditional practices
- Species protection

**FUNDING** (US\$)

Value:

Main donors:

+ 2M

Margaret A Cargill Philanthropies

Gap:

Cargill

McDonalds

Walmart Foundation

Rosen Family Foundation

### **OBJECTIVES**

- **BY 2030,** no net loss of grasslands.
- **BY 2025,** 5 herds of 1,000 bison.
- **BY 2030,** 5 Native nation-led populations of 30 breeding adult black-footed ferrets.
- BY 2023, protect 74,600 acres of grasslands.
- BY 2023, increase sustainable management on 593,000 acres of grasslands.

#### **FAUNA**





Black-footed ferrets



### **INDICATORS**

- 1. Annual conversion rates.
- 2. Enrollment in RSVP (ac and producers).
- 3. Number of bison
- 4. Number of black-footed ferrets.

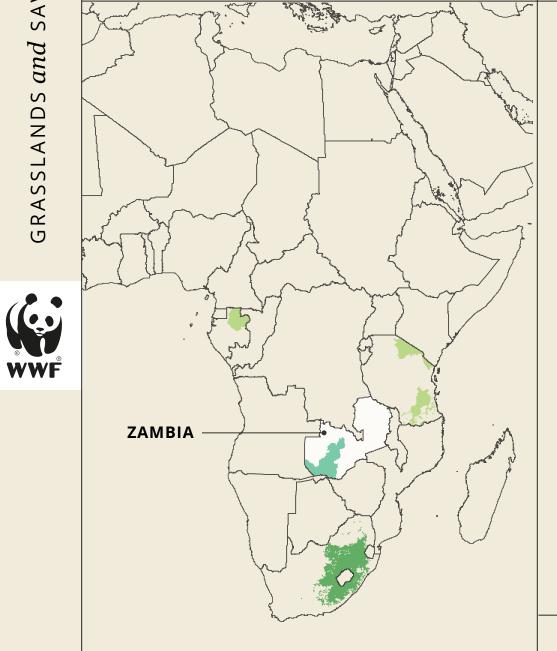
G + S TEAM

full-time

40

# ZAMBIA

**WWF GOALS** > 1. Zero loss of natural habitat > 2. Zero extinction > 3. Halve footprint



**AREA** (M ha)

56

**PROPORTION OF LAND AREA** 

**20**%

### **OBJECTIVES**

- BY 2030, the environment, natural resources and biodiversity in Zambia are secured and sustainably managed, for people and nature to thrive
- BY 2025, key freshwater, marine and terrestrial ecosystems are secured and populations of flagship and priority wildlife species in target places are stable and/or increasing.

**TEAM SKILLS AND EXPERTISES** 

## **SUSTAINABLE AGRICULTURE PRODUCTION**

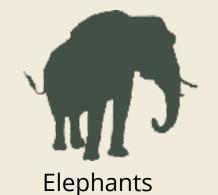
- Human wildlife conflict
- Landscape restoration

**OPPORTUNITIES FOR DEVELOPMENT** 

## INSTITUTIONAL **STRENGTHENING**

- Rangeland/Grassland **Capacity Building**
- Monitoring
- Restoration

**FAUNA** 





### Silowana Landscape *Kafue Landscape* Bangweulu Landscape Flooded grasslands and savannas

### Baroste Landscape

Tropical and subtropical grasslands, savannas, and shrublands

G+S TEAM

full-time

part-time

# WWF

**ECONOMIC ACTIVITIES:** 



1st Subsistence agriculture

**2**<sup>st</sup> Traditional herding 3st Tourism

### **PRACTICES**

- Wildlife
- 2. Food
- Forests
- Freshwater
- 5. Fresh Water

#### **INDICATORS**

- 1. Loss of native vegetation in ha.
- 2. Number of ha under active and/or passive restoration process.
- 3. Number of farms that are implementing best practices, agreements with Farmer Field Schools (FFS).



Value:

100K -**500K** 

Gap:

100K -500K

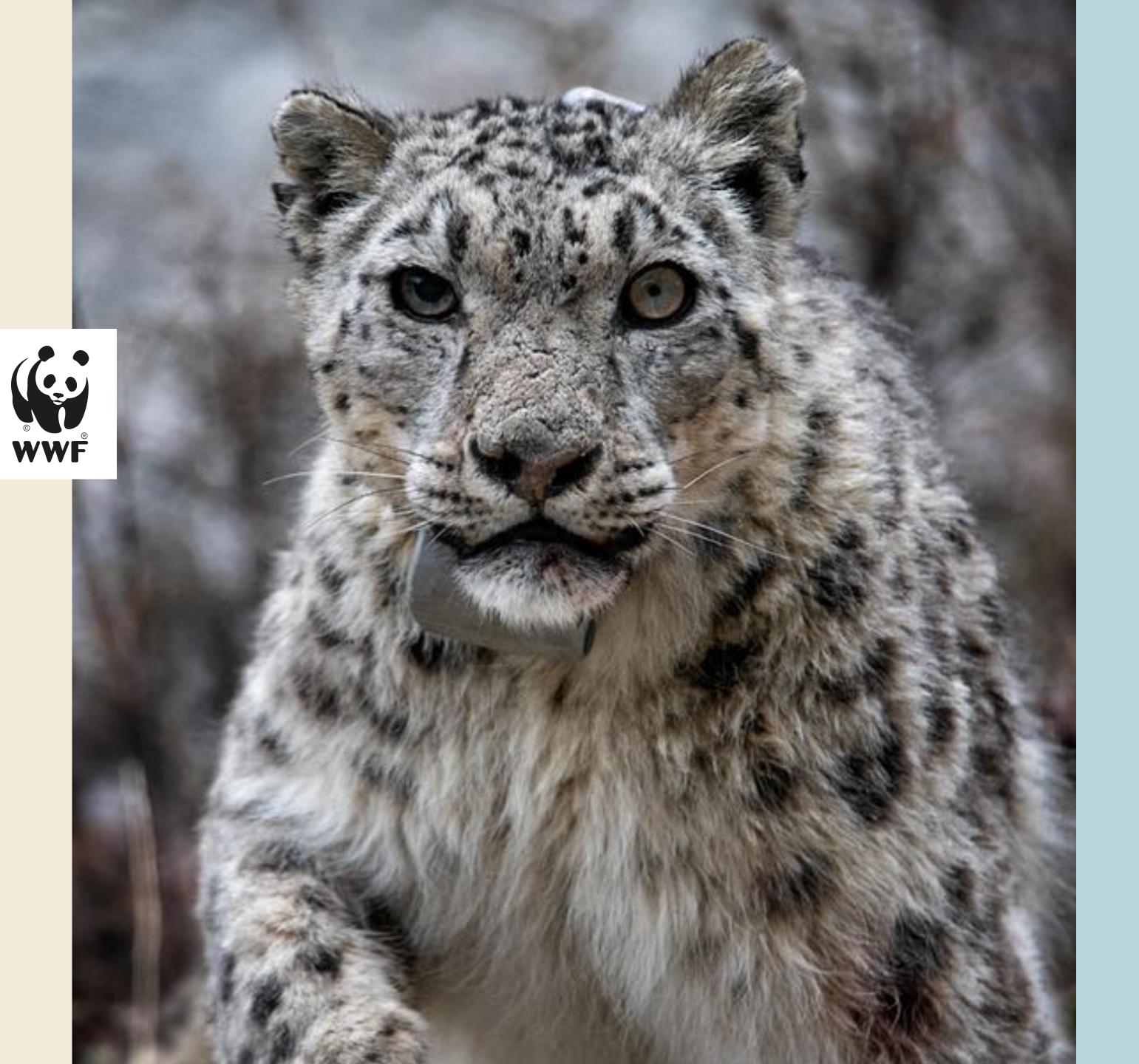
### **Main donors:**

WWF-offices and WWF Germany









GRASSLANDS and SAVANNAHS

# Annexes

WWF

# TYPES OF GRASSLANDS AND SAVANNAHS

**ANNEX 1** 

The categories of grasslands and savannahs considered in this report are:



# Deserts and xeric shrublands

Generally, evaporation exceeds rainfall in these ecoregions, usually less than 10 inches annually. Temperature extremes are characteristic with a rich array of often ephemeral habitat, reflecting the scarce availability of water. Woody-stemmed shrubs and plants that have evolved to minimise water loss characterize vegetation in these regions. Animal biodiversity is well adapted and diverse with local endemism. Highly sensitive to grazing, soil disturbance, burning, ploughing, and other cover alteration.



### Flooded grasslands and savannas

Large expanses or

complexes of flooded grasslands, supporting numerous plants and animals adapted to the unique hydrologic regimes and soil conditions. Large congregations of migratory and resident waterbirds may be found in these regions. The availability of water and productivity annually and seasonally shifts among complexes of smaller and larger wetlands. Most terrestrial species have relatively widespread ranges and track flooding patterns and seasonal resource abundance; riparian and gallery habitats are important for many species. Maintaining hydrographic integrity is critical to these habitats. Sensitive to diversion and channelization of water flow, water quality changes, loss of riparian and gallery habitats and alteration of natural fire regimes.



# Mediterranean forests, woodlands, and scrub

scrub Characterized by hot and dry summers, cool and moist winters. Only five regions in the world experience these conditions: the Mediterranean, southcentral and southwestern Australia, the fynbos of southern Africa, the Chilean matorral, and the Mediterranean ecoregions of California. Globally rare habitat with extraordinary biodiversity of uniquely adapted animal and plant species. Most plants are dependent on and adapted to fire. Regional and local endemism, some with highly restricted range. Highly sensitive to habitat fragmentation, grazing, and alteration of fire regimes. Native species are particularly at risk from exotic plants and animals that establish and spread



### Montane grasslands and shrublands

Tropical, subtropical and temperate high elevation (montane and alpine) grasslands and shrublands, including the puna and paramo in South America, subalpine heath in New Guinea and East Africa, steppes of the Tibetan plateaus. The plants and animals of tropical montane paramos are adapted to cool, wet conditions and intense sunlight. Around the world, plants display rosette structures, waxy surfaces, and bristly (pilose) characteristics. Local and regional endemism can be pronounced in some regions. Large natural landscapes required to support large vertebrates tracking seasonal or patchy resources; water sources and riparian vegetation important for wildlife in drier regions. Highly sensitive to ploughing, overgrazing, and excessive burning due to their challenging climatic and soil conditions.



### Temperate grasslands, savannas, and shrublands

5

Known as prairies in North America, pampas in South America, veld in Southern Africa and steppe in Asia, they are generally devoid of trees, except for riparian or gallery forests, but can support individuals or clusters of trees. Biodiversity includes a number of large grazing mammals, associated predators, burrowing mammals, numerous bird species, and a diversity of insects. Exceptionally rich floras in some regions, most species have relatively widespread distributions and larger vertebrate species may occur in great abundance. Large natural areas needed to maintain natural fire regimes which are important to maintain community structure and composition. Water and riparian vegetation important for many species. Sensitive to ploughing, overgrazing, excessive burning or fire suppression as well as loss and degradation of riparian or gallery forest habitats and water sources. Loss of keystone species impacts on animal and plant communities.



# Tropical and subtropical grasslands, savannas, and shrublands

Grasses dominate the species composition of these ecoregions, although scattered trees may be common. Characterized by seasonal rainfall levels between 90-150 cm per year, there may be great variability in soil moisture throughout the year. Large mammals are typical in these habitats especially in the East Africa / Zambezian region. The Cerrado and Llanos are noted for complexity of habitats and unusually high endemism levels. Large natural landscapes for grazers and their associated predators to track seasonal rainfall or migrate to new areas during periodic droughts. Largescale natural fire regimes are important for regeneration. Sensitive to ploughing, overgrazing by domestic livestock, and excessive burning, alteration of surface water patterns significantly impact on many vertebrate species.



#### Tundra

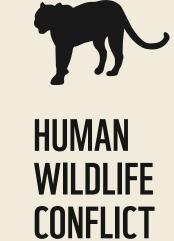
Structurally the Tundra is a treeless expanse that supports communities of sedges and heaths as well as dwarf shrubs. Vegetation is generally scattered, but can be patchy reflecting changes in soil and moisture gradients. A treeless polar desert found primarily in high latitudes, link Alaska, Canada, Russia, Greenland, Iceland, and Scandinavia, as well as sub-Antarctic islands. Long, dry winters feature months of total darkness and extremely frigid temperatures. Most precipitation falls in the form of snow during the winter while soils tend to be acidic and saturated with water where not frozen. Species typically with widespread distribution, vast natural habitats allow species to track patchy resources that vary in location from one year to the next. Migration corridors for large vertebrates like the caribou must remain intact to allow large-scale seasonal movements. Sensitive to climate change, particularly groundcover and surface water flow.

with ease.

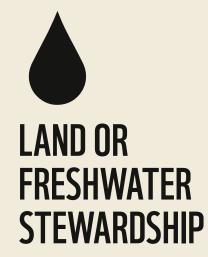
# WWF'S APPROACHES











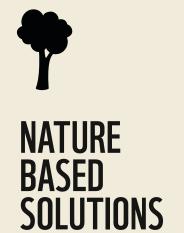








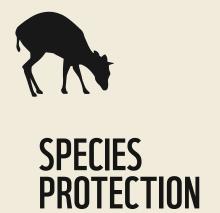




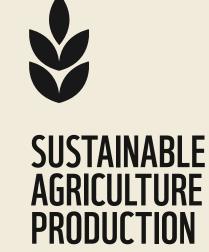


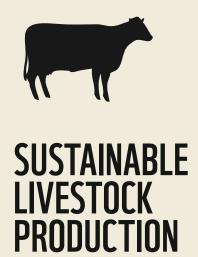






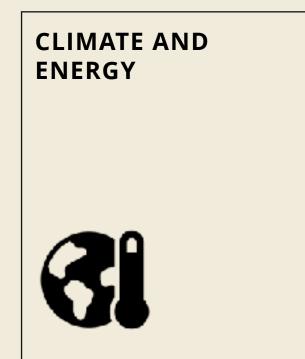


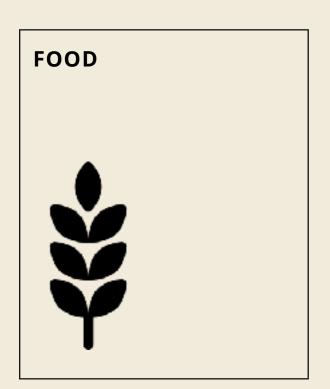


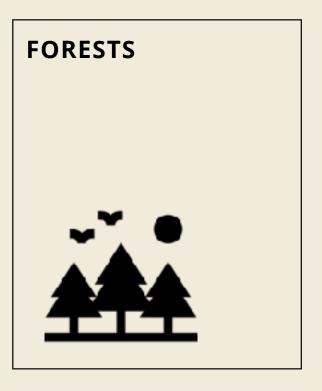


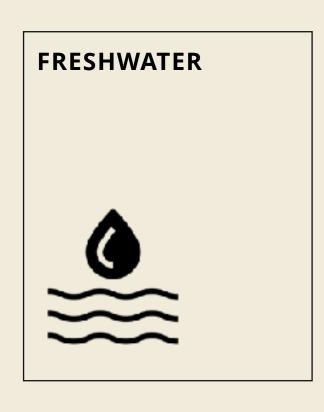
WWF

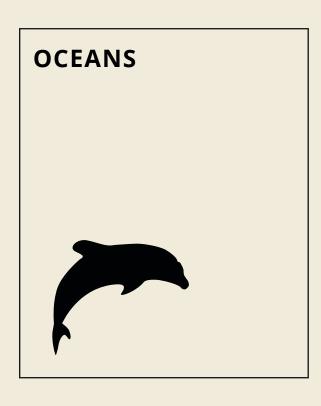
# WWF'S PRACTICES

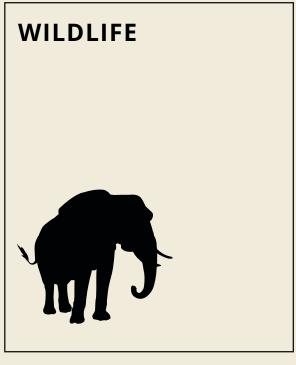




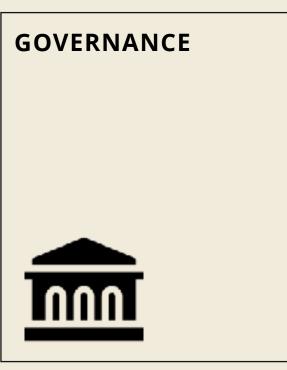














### **WWF PRACTICES:**

Practices are the structural backbone of conservation across the WWF network. There are nine Practices and each one is made up of conservationists and supporting functions operating out of WWF International. Practices also establish Network Initiatives that prioritise specific areas of focus and many offices engage in these to deliver on our global goals.

**CLIMATE & ENERGY** – focuses on managing the unavoidable impacts of climate change and mitigating the impact of future climate impacts.

**FOOD** – focuses on transforming the food system to ensure that it protects and conserves nature while ensuring there is enough nutritious food for all current and future generations.

**FORESTS** – focuses on contributing to sustaining and enhancing the value of forests to climate, water regulation, biodiversity, food, human health and people's wellbeing,

**FRESHWATER** – focuses on protecting wetlands, keeping rivers free flowing, bending the curve of the freshwater Living Planet Index and using our freshwater resources sustainably.

**OCEANS** – focuses on productive and resilient ocean ecosystems, sustaining human wellbeing and conserving biodiversity.

WILDLIFE – focuses on having wildlife thriving – securing the world's most threatened and ecologically, economically, and culturally important species in the wild.

FINANCE – focuses on encouraging a meaningful shift in Finance using the familiar Finance framework of risk and opportunity to integrate environmental risks, deliver greater investment for sustainable development; and drive sustainable practices through the economy.

**GOVERNANCE** – focuses on promoting the exercise of power & responsibilities to serve environmental and sustainable development.

MARKETS - focuses on driving systems change that reduces the impacts of production and consumption, and that benefits people and nature

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WWF Goals, Outcomes and Targets. 2020 (internal document)





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Karina Berg (UK/Brazil) Edegar Rosa (Brazil) Sarah Olimb (USA) Clay Bolt (USA)

WWW.WWF.ORG.BR



Fernanda Vidal James Allen

WWW.OLAB.COM.BR

