



Food and Agriculture  
Organization of the  
United Nations



# Mountains in a Changing Climate: Threats, Challenges and Opportunities

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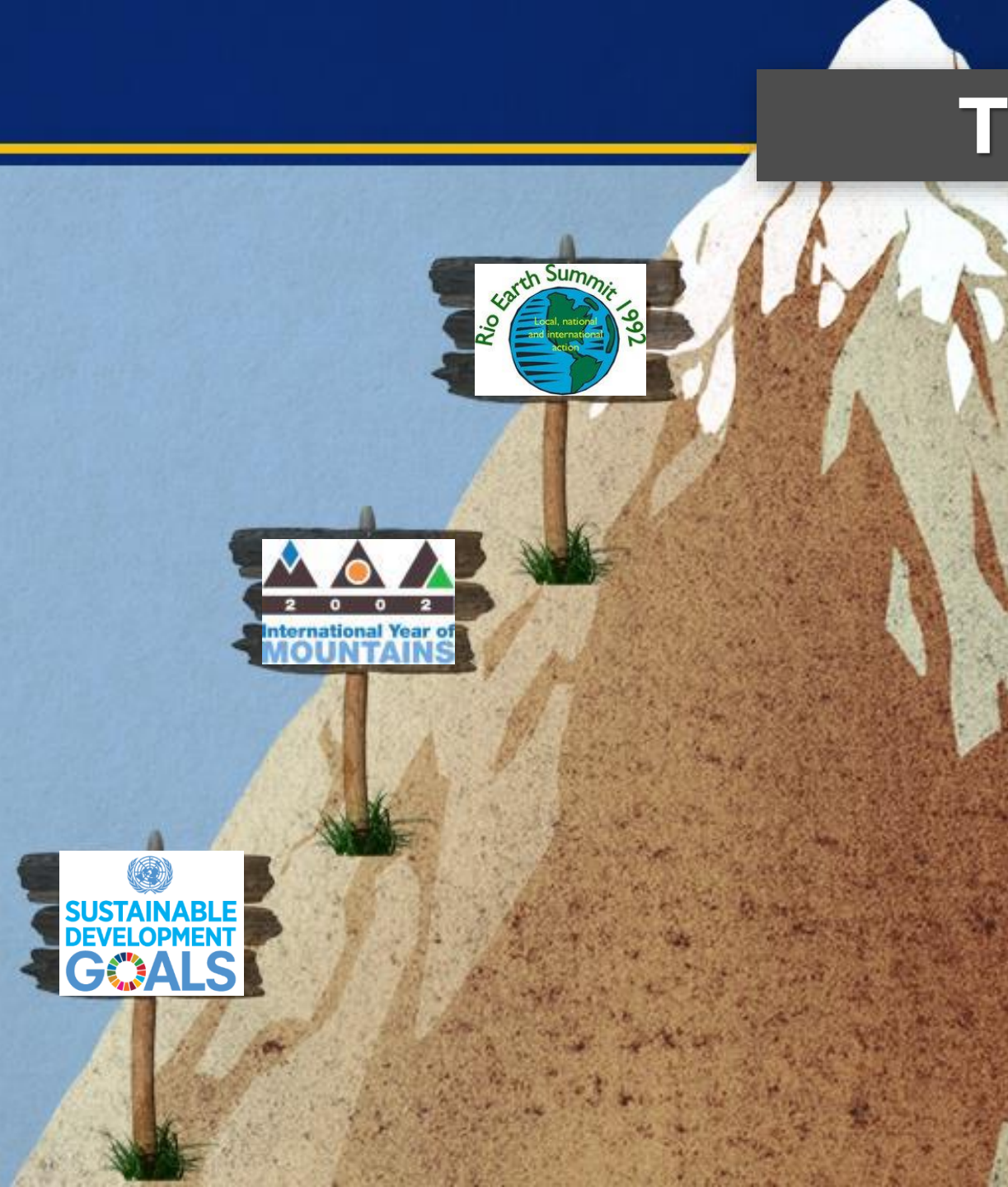
# Why Mountains Matter



- **27%** of the earth land surface
- **15%** of the global population ( $\pm 1.1$  billion)
- **60-80%** of global freshwater
- **40%** of mountains are covered by forests
- **25%** of terrestrial biodiversity
- **15-20%** of global tourism
- **1 in 2** rural mountain people is facing hunger and malnutrition

# The Mountain Agenda

- **1992** Rio Earth Summit – Chapter 13
- **2002** WSSD – IYM – IMD – MP
- **2012** Rio+20 – the Future We Want
- **2015** Sustainable Development Goals  
terrestrial biodiversity
- **2018** Framework for Action





# Mountains Under Pressure



- Mountains are under pressure for **climate changes, hunger, poverty, migration**, etc
- Mountain peoples are among the **poorest** and most **malnourished** in the world
- In developing countries, a great majority lives below the poverty line and more **than 1 in 2 rural people faces food insecurity** ( $\pm 350$  million)
- Since 2000, vulnerability to food insecurity has constantly increased in rural mountain areas
- More than **90%** of the world's mountain dwellers live **in developing countries** ( $\pm 1$  billion people)





# Sustainable Mountain Development

- Enhancing capacity of institutions to **promote SMD**
- **Sustainably manage mountain** landscapes and ensuring ecosystems provision
- Empowering **mountain communities**
- **Increasing sustainability** of mountain economies, food security and nutrition



# The Mountain Partnership

- **404** members:  
The only United Nations voluntary alliance of partners dedicated to improving the lives of mountain people and protecting mountain environments around the world
- **60** Governments
- **18** IGOs
- **21** Global Major Groups
- **305** Major Groups/Subnational Authorities
- Secretariat hosted by **FAO**, supported by **Italy** and **Switzerland**





# Programme of Work of the MP Secretariat

## Advocating for mountains

International advocacy of SMD in the framework of the 2030 Agenda

## Sharing knowledge

Green Cover Index, studies on food insecurity and economic drivers

## Building capacities

IPROMO, GROW, support to MPP project

## Joining forces to work on initiatives

Technical support to members

## Mobilizing resources

Supporting members' fundraising: GCF, GEF, IKI, FAO, ...





# Advocacy

- Implementation of the **MP Framework for Action** and monitoring progresses and achievements
- Countries to include mountains in their **VNRs**
- **Side-events** in major global meetings such as HLPF
- **Global outreach**
- National **policy** and strategy support
- Tri-annual **UNSG Report** on Sustainable Mountain Development (since 2001, next 2022)
- **International Mountain Day** campaign



# International Mountain Day



- **More than 200 events** organized by governments and civil society organizations **in 44 countries**
- **Fact sheets and posters** produced in the six UN languages, IMD website, events reported on the IMD website and in Peak to Peak
- **Mountain Biodiversity** (IMD Theme 2020)





# The Framework for action

Adopted by all Mountain Partnership members in December 2017 to mainstream sustainable mountain development and ecosystem conservation:

- **Governments:** review and update their national policies with the goal of integrating appropriate strategies
- **Governments, Intergovernmental organizations and donor agencies:** review and update their international development cooperation policy
- **Major Groups:** raise awareness at all relevant international conferences and summits and work towards the inclusion of mountain-related language in outcome documents, resolutions and strategies

Starting this year, the MPS will monitor progresses achieved





# Knowledge sharing and communications

- **Studies** on mountain development (upcoming studies on: vulnerability to food insecurity in mountain areas, agrobiodiversity in mountain areas, mountain policies)
- **MP website**, Peak to Peak newsletter, Facebook, Twitter, Instagram, Videos
- **Media outreach** (editorials, press articles, interviews)
- **International Mountain Day** campaign & information products in 6 languages
- Mountain Partnership Secretariat **Annual Report**
- **Fostering** communication among members



# Publications

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# Mountain Green Cover Index

## Developed to monitor SDG 15.4 Target

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

- **Global baseline** was created in 2017 (Collect Earth), currently being updated
- **Methodology currently being reviewed** to monitor the indicator by using ESA-CCI land cover data
- **The MGCI training programme** supports countries to improve the data collection and validation process





# Capacity Development



- **IPROMO** - two week course on sustainable management of mountains. Over 330 staff trained in 11 years.
- **GROW** - Summer school on Agrobiodiversity – two week Higher Education course on agrobiodiversity & agriculture
- **Mountain Green Cover Index data collection** - training programme to enhance the capacity of countries to monitor SDG indicator 15.4.2: the Mountain Green Cover Index (MGCI)
- **Mountain Education** portal





# Joint action at the global level



- **Facilitation** of collaboration among members
- **Support to members for the** preparation of project proposals
- **National level project implementation** (Mountain Products, Mountain Biodiversity Monitoring)
- Database on **indigenous mountain peoples**
- Database on **funding sources**





# Resource Mobilization

**The MP supports members in developing joint proposals and projects**

- Green Climate Fund
- Global Environment Facility (GEF)
- Technical Cooperation Projects (TCP)
- Donor agencies
- Resource mobilization database





# THE MOUNTAIN PARTNERSHIP PRODUCTS INITIATIVE

**Perception of mountain products among consumers**  
(MP survey in 9 countries)

**consumers** associate mountain products to positive values but they cannot distinguish them from others in the marketplace

The **MPS** in collaboration with **Slow Food** developed a voluntary labelling scheme backed up by a value chain and marketing strategy to benefit small mountain producers from developing countries



The **MPP label** is a **narrative label** that tells the story a mountain product, enabling the consumers to make a more informed purchase, and the producers to sell at a premium price

# Label Criteria



**Altitude**

**Small scale**

**Ethical – Fair – Organic**  
(Ranikhet Declaration)



# Ranikhet Declaration



## Shared commitment



With the technical support of:



## First international network of PGS

# THE NARRATIVE LABEL

**Himal black lentils** are an indigenous Nepali lentil variety, mainly cultivated by Tamang and Gurung small-scale mountain farmers.

**Tamang** are indigenous people of Rasuwa and its adjoining districts, Kathmandu Valley and Kavrepalanchok.

Himali black lentils are a food typical of local festivals, such as "Maghe Sankranti" on 14 January when people bake a black lentil bread called "**Bara**" to celebrate the beginning of the holy season.

The 'Mountain Partnership Product' logo designates a voluntary labelling scheme for high value mountain products from developing countries. Its use is intended to support smallholder mountain producers in maintaining sustainable production processes and better ensure fair compensation for their products.

[www.mountainpartnership.org](http://www.mountainpartnership.org)

This label is for information purposes only and is not intended to make any representations or warranties about the characteristics, quality, suitability or any other feature of this product. The Mountain Partnership or any of its Partners will not be liable for any loss or damages resulting from use of, reference to, or reliance on this Product or any information relating thereto.



*Himali Black Lentils*

Goljung, Rasuwa  
Nepal

A Mountain Partnership and Slow Food initiative

## *Jumla's Mixed Beans*

A mixture of black, red, yellow and spotted beans, this indigenous food has a unique taste and great nutritional value.

### *Producer*

The **Sinja Valley Group** is a producers' organization specialized in agroforestry mountain products. It is a partner of **Organic World and Fair Future (OWF)**, an eco-social company that facilitates pro-poor inclusive value chain development for Nepali mountain products.

## *Production*

Local farmers cultivate the beans manually and without mechanical inputs, resulting in high quality but low quantity production.

Fields are free of chemicals and pesticides, in order to keep the soil healthy.

In spite of their traditional and environmentally friendly production process, **Jumla's Mixed Beans** are under the threat of being replaced by more productive crops.

## *Territory*

Bhote Lama and Brhamin farmers grow **Jumla's Mixed Beans** in the Sinja Valley, Jumla District, one of the most remote mountain areas in the north-western part of Nepal at 2 300 metres above sea level.

### *Consumption*

Easy to cook, tasty and nutritious, **Jumla's Mixed Beans** are ideal for preparing soups and legume salads.







# MOUNTAIN PARTNERSHIP PRODUCTS

20 products from 8 countries



**Panama:**  
Ceibal Coffee

**Bolivia:** Black Amaranth, Melipona honey, Roca del Illimani and Achocalla cheese

**Peru:** Blueberry & Goldenberry Jam, Maca Andina

**Kyrgyzstan:** Rosehip Tea, Silk&Felt Scarves

**India:** Purple & Pink Rice, Chamomile Tea, Jumlas marshy rice Chiuri honey

**Mongolia:** Felt ornaments

**Nepal:** Himali Black Lentils, Jumla's Mixed Beans

**Philippines:** Hred Rice, Itogon coffee

10'000 farmers, 6'000 of whom are women, have so far benefited from the MPP initiative.





# NEPAL: JUMLA'S MIXED BEANS

Jumla district 2300m asl

A traditional Nepali mixture of beans with a **strong link to the local culture** and religious festivities produced in the Sinja Valley

Product		Jumla Mixed Bean			
Year		2015	2016	2017	2018
Quantity	Ton	60	75	120	300
Unit price (1kg)	USD	1.20	1.25	1.50	1.85
Number of farmers		468	540	600	850
Number of women		300	300	340	400

- Label helps to fight against fake products
- Producers proud > upgrade for product
- Increase in price 25%
- Great interest by consumers and distributors on the MPP narrative Label

# MPP Initiative Outlook

1. Expand scope into services: ecotourism; **Food & Tourism for Mountain Development** in the Philippine Cordillera
2. Strengthen **assessment/monitoring** mechanism → Creating a **Mountain-specific Participatory Guarantee System** based on ethical and environmental criteria, developed in collaboration with IFOAM-Organics International
3. Strengthen **promotion** of MPP products by site-specific marketing strategies and related capacity building in collaboration with EcorNaturaSí.
4. New agreement with **GEF UNDP SGP in 4 countries (Nepal, Lesotho, Rwanda and PNG)**





# IPROMO courses since 2008

Mountain Environment and **Global Change**

Developing **economic opportunities** for mountain areas

Protecting Mountain **Biodiversity**

**Natural Hazards and Disaster Risk Management** in Mountain Areas

Understanding and Adapting to **Climate Change** in Mountain Areas

**Bioeconomy** in mountain areas – an opportunity for local development

Understanding Upland **Watershed Management**

Promoting **Sustainable Farming** in Mountain Regions

**Food security** in mountain areas

Managing mountain resources and diversities - the role of **protected areas**

**Environmental and economic issues** to enhance mountain sustainability

**Landscape approach** for enhancing mountain resilience

**Mountains in a Changing Climate: Threats, Challenges and Opportunities**

# IPROMO 2020

- **Joint effort MPS/FAO, University of Turin and University of Tuscia – support from the CNR-IRPI**
- **10 days of lessons** – 28 September – 9 October
- **Mix of instructors:** UN officers, University professors and Policy experts – balance
- Criteria for participants selection: MP priority, developing countries, practitioners, gender balance
- Usually **4 hours per day**
- **Different time** every day
- **Questionnaires** to be filled in every day
- **Team work**
- **IPROMO Diploma**
- Best students – **preferential path for next year course**





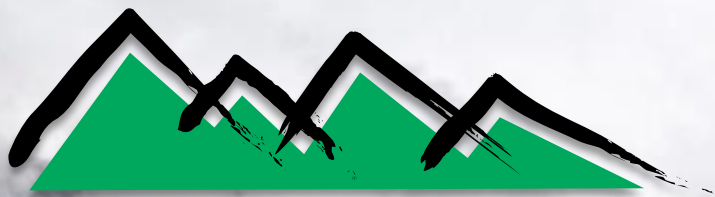
# IPROMO Alumni



- **Alumni network**
- All **presentations online**
- You are an **agent for change**
- **Use the #MountainsMatter**
- Join the **community**







Mountain Partnership

Join #MountainsMatter  
movement

[www.fao.org/mountain-partnership/home](http://www.fao.org/mountain-partnership/home)