

ADAPTATION
AT ALTITUDE

Taking Action in the Mountains

The Adaptation at Altitude Knowledge Network: What does 2024 hold for mountains and how can you get involved?



Swiss Agency for Development and Cooperation SDC

Rosie Witton and
Kate Williamson

30th April 2024



Agenda:

Welcome

Global engagement in the mountains: 2024 and beyond - Alex Mackey (Zoï Environment Network) (10 minutes)

Speed Talks and Q&A (30 minutes)

- Introducing the Andes Regional Dialogues – Saskia Flores (CONDESAN)
- How to get involved in GEO Mountains – Alexandrine Massot (MRI)
- Upcoming national science-policy dialogues in the HKH – Babar Khan (ICIMOD)
- Introducing the 'Mountains Connect' knowledge platform – Ansgar Fellendorf (UNEP)

AOB (5 minutes)

How to get involved (5 minutes)

Welcome to the A@A Knowledge Network!



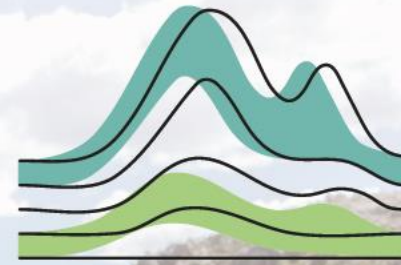
ADAPTATION AT ALTITUDE

KNOWLEDGE
NETWORK

The Adaptation at Altitude Knowledge Network is a **global community** through which we can share experiences and knowledge on adaptation in the mountains and collaborate to accelerate the uptake of innovative solutions. It aims to:

- **Encourage communication between stakeholders** working on and experiencing climate change adaptation in mountainous regions across the globe.
- **Support the sharing of successful solutions** for adaptation in mountains.
- **Foster the translation and uptake of solutions** for use in other locations.

Global engagement in the mountains: 2024 and beyond



ADAPTATION
AT ALTITUDE

Taking Action in the Mountains



Building momentum for the mountains in 2024

- **Expert Dialogue on Mountains and Climate Change**
 - UNFCCC 60th session of the Subsidiary Body for Scientific and Technological Advice, June 5th, Bonn, Germany
- **Nairobi Work Programme Mountain Theme Space**
 - Mountains are priority thematic work area in 2024
- **Global Goal on Adaptation: mountain ecosystems**
 - Call for indicators related to adaptation in mountains
- **5 Years of Action for the Development of Mountain Regions**
 - Get involved: [Scientific and Knowledge Advisory Committee of the Mountain Partnership](#)
- **International Mountain Day 2024**
 - December 11th
 - Mountain solutions for a sustainable future – innovation, adaptation, youth and beyond

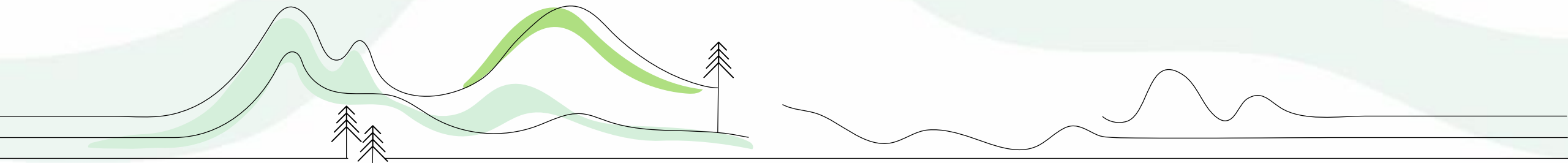
2023
2027



Five Years of Action
for the Development of
Mountain Regions

Other key opportunities coming up

- International Year for Glaciers' Preservation - 2025
- International Year of Rangelands and Pastoralists - 2026
- WMO High Mountain Summit
- 2nd Bishkek Global Mountain Summit – 2027
- Mountains in global finance mechanisms
 - GCF Strategic Plan 2024-2027: adaptation with emphasis on supporting developing countries in climate-critical sensitive ecosystems such as *mountains*



Speed talks:



Saskia Flores
(CONDESAN)

The Andes Regional
Dialogues



Alexandrine Massot
(The Mountain Research
Initiative)

GEO Mountains
General Meeting +
task forces



Babar Khan
(ICIMOD)

National science-
policy dialogues in
Nepal + Bangladesh



Ansgar Fellendorf
(UNEP)

The 'Mountains
Connect' online
knowledge platform

A@A Knowledge Network Meeting - April 30th, 2024

SHARING EXPERIENCES FOR ACTION IN THE ANDES

**Regional Dialogues for the Integrated Management of
Andean Mountain Ecosystems**



01

Few integrative spaces

02

The need to network and have a regional vision

03

Building ideas together



Welcome

Main talk

Flash talks

1

2

3

4

Discussion

Conclusions

DIALOGUE

1

Integrated
knowledge
management



DIALOGUE

2

Governance
and
participation



DIALOGUE

3

Conservation,
restoration and
production
(May 9th)





Diálogos Regionales
sobre Gestión Integral
de Alta Montaña
GESTIÓN DEL CONOCIMIENTO

16 09 2021

YouTube • Live Instituto Humboldt | Facebook LIVE @CONDESANandes

9:00 a.m.

(GTM America/Bogotá)

Conferencia **Inicial:**



*Experiencia de gestión de conocimiento
para la toma de decisiones*

Purnamita Dasgupta (India)
Líder de Servicios
Ecosistémicos, ICIMOD (India)

Diálogos:



*La Herramienta HIRO para
orientar la inversión pública
para el desarrollo de la
infraestructura natural para
la gestión de riesgos y la
seguridad hídrica*

**Francisco
Román (Perú)**
Director del Componente de
Investigación del Proyecto
Infraestructura Natural para
la Seguridad Hídrica,
CONDESAN



*Avances de la Estrategia de
Monitoreo Integrado de los
Ecosistemas de Alta Montaña
en Colombia*

**Jorge Adrián Castaño
(Colombia)**
Coordinador Técnico,
SIÉ Ingeniería



*Gestión del Conocimiento
en Ecosistemas de Alta
Montaña*

Martín Leyva (Perú)
Asesor en Gestión Pública y
Modernización, INAIGEM



*De la parcela al paisaje: el uso de
las redes de monitoreo para
encontrar patrones regionales de
respuesta de los ecosistemas al
cambio climático*

Francisco Cuesta (Ecuador)
Investigador, Universidad de las
Américas - Director Científico, RED
GLORIA-Andes



Diálogos Regionales
sobre Gestión Integral
en las Montañas
Andinas

Gobernanza y participación 7 de marzo 2024

8:35-9:10

Conferencia inicial:

Iniciativa Andina de Montañas: avances y retos para la incidencia a nivel regional y global

Karen Price y Vilisa Morón



9:10-9:50

COLOMBIA

¿Qué ha pasado con el Pacto por los bosques de Antioquia? Avances y retos.

Patricia Tobón



ECUADOR

Un año de vida de la Minga de la Montaña, ¿qué hemos aprendido?

Ángel Onofa



CHILE

Construcción de políticas hídricas regionales para la gestión integrada de cuenca

Claudio Reyes Hurtado



ALPES

Convención Alpina: temas prioritarios para la conferencia de 2024

Wolfger Mayrhofer



9:50-10:20

Foro de discusión con panelistas y público participante

Modera: Vilisa Morón



10:20-10:30

Reflexiones finales, anuncios importantes y cierre

María Argüello



Network with 1800+ members



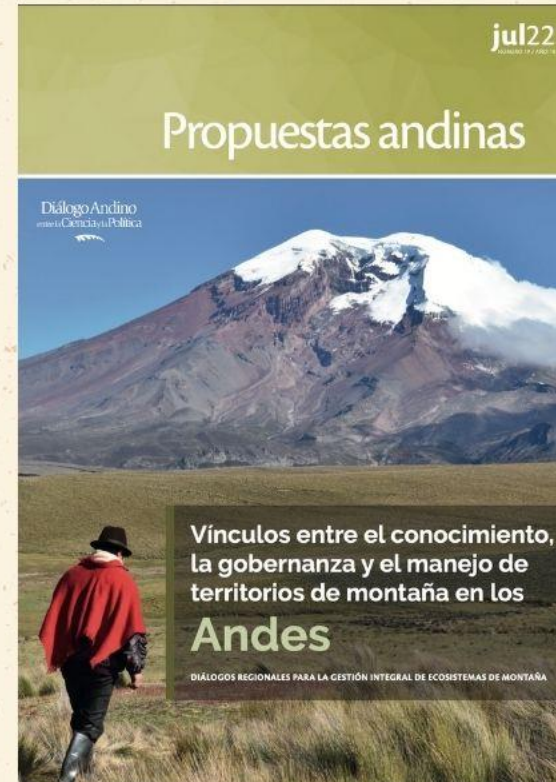
60+ participants



POLICY BRIEF

DOWNLOAD

700+ downloads



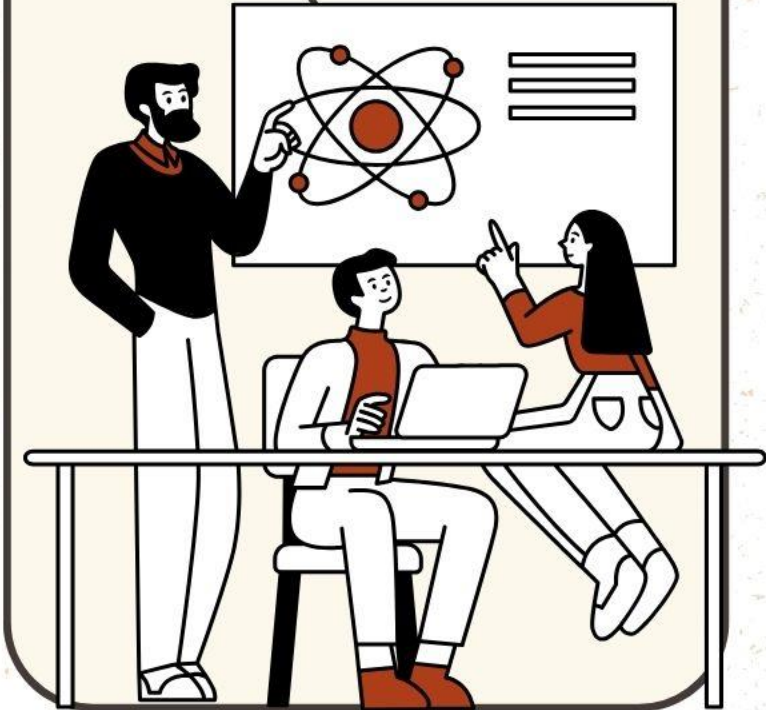
Practitioners designing projects incorporating the latest and most innovative knowledge and experiences



Decision makers designing evidence-based policies at all scales and promoting science based governance



Increasing south-south collaboration with researchers and practitioners networking





Dialogos Regionales
sobre Gestión Integral
en las Montañas
Andinas

Conservación, restauración y producción

9 de mayo

8:35-9:10

Conferencia inicial:
Degradación de tierras y manejo integral de paisajes de montaña
Manuel Peralvo



9:10-9:50

ECUADOR
Agrobiodiversidad y
sistemas de chakra
andina en Cotacachi,
Mary Piñán



BOLIVIA
Estrategia de producción
agroecológica y resiliente,
María Pinto



PERÚ
Recuperación en curso de
una turbera alto-andina
altamente degradada,
Vivien Bonnesoeur



REGIONAL
Sigamos hablando de
conservación en los
Andes, Jon Paul
Rodríguez



9:50-10:20

Foro de discusión con panelistas y público participante
Modera: Saskia Flores



10:20-10:30

Reflexiones finales, anuncios importantes y cierre
Saskia Flores



MAY 9

**Conservation,
restoration and
production (May 9th)**

8h30 - 10h30 GMT -5

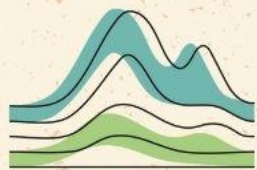




Desde 1993

CONDESAN

Consortio para el Desarrollo Sostenible
de la Ecorregión Andina



ADAPTACIONEN
LAS ALTURAS

En Acción por las Montañas



NEUTRALIDAD DE LA DEGRADACIÓN DE LA TIERRA
E C U A D O R



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Agencia Suiza para el Desarrollo
y la Cooperación COSUDE



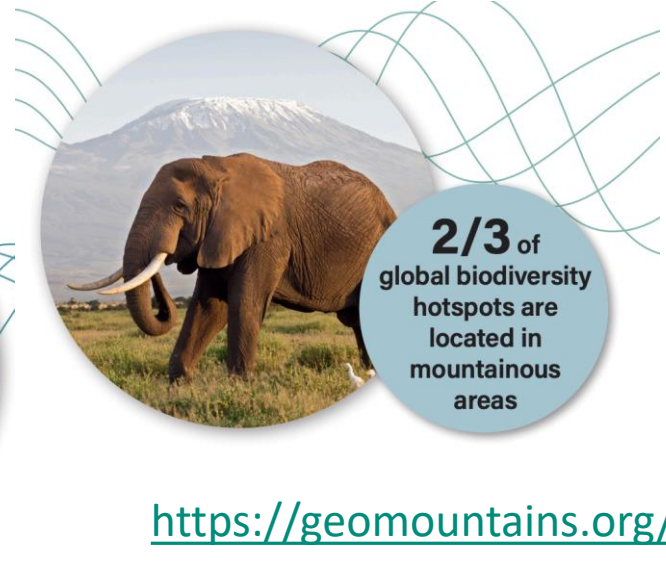
CONÉCTATE

CLÚSTER DE COOPERACIÓN
EN LA REGIÓN DE LOS
ANDES TROPICALES Y
AMÉRICA CENTRAL



Luis D. Llambí
Saskia Flores
Alejandra Melfo
Rafael Rodríguez
Karen Price
Vilisa Morón
Manuel Peralvo
María Argüello





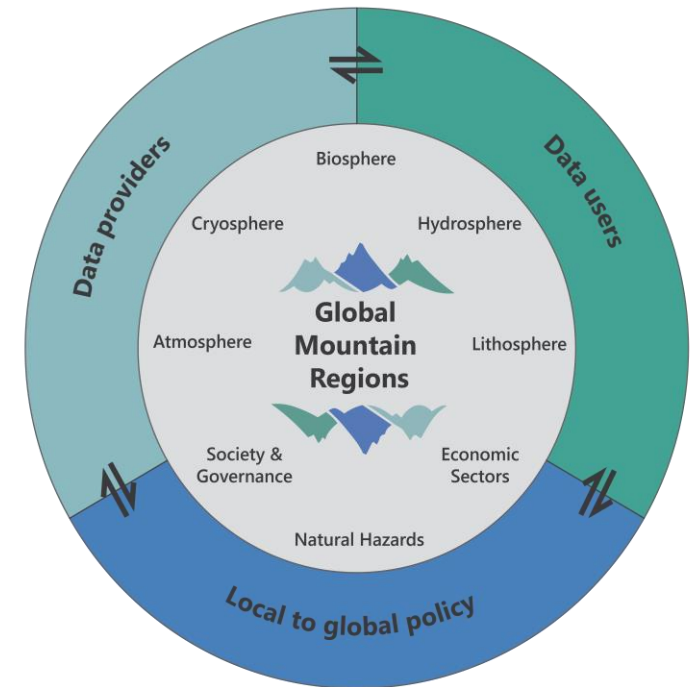
GEO Mountains

<https://geomountains.org/>

The Global Network for Observations and Information in Mountain Environments

Since 2016, this network has been a Group on Earth Observations (GEO) Work Programme Initiative, **co-led by the Mountain Research Initiative (MRI) – a GEO Participating Organisation – & the National Research Council of Italy (CNR).**

- ❑ To **increase the discoverability, accessibility, and usability** of a wide range of **data and information** pertaining to **mountains globally**
- ❑ To **integrate and apply** such data and information for **scientific, policy, and practical impact**
- ❑ To **build, connect, coordinate, and share capacity** across a **community** of mountain researchers, practitioners, and policy makers



GEO Mountains Updates & Outlook

Alexandrine Massot, *Mountain Research Initiative*, 24 April 2024



Overview of our activities under A@A Phase 1:

- ❑ Regional Workshop Series (2023–2024) in the 5 regions: [Central Asia](#), [HKH](#), [East Africa](#), [Caucasus](#), [Andes](#)
- ❑ Contribution to [MRI's Working Groups](#), e.g. development of Unified High Elevation Platform (UHOP) led by the [MRI Elevation Dependent Climate Change Working Group](#)
- ❑ Development and regular updates of GEO Mountains' [In Situ](#) and [General](#) Inventories
- ❑ [Small Grants Programme 2023](#)
- ❑ Communication & Outreach (e.g. mailing list / [MRI Global Newsletter](#), [Mountains Uncovered Series](#), [IYSMD2022 Policy Brief](#), participation and contributions at UNFCCC COPs, GEO events)



GEO Mountains: How to get involved?

General Meeting, 22 May, 14:00-16:00 CEST, online



Agenda:

Welcome & Introduction

GEO Mountains Recent Activities & Outlook

Community updates

GEO Mountains 2024–2025:

*Future activities & Task Groups
– Get involved!*

Conclusions & Next steps

Get involved!



Scan here &
register for the
meeting!

<https://geomountains.org/news/events/details/2024-05-22/366-geo-mountains-general-meeting-may-22-2024>

Task Groups under development to consider:

- 1. Inventories:** Be part of a collective effort to increase data discoverability by contributing to GEO Mountains' inventories, plus coverage analyses
- 2. Regional Engagement Activities:** Contribute to knowledge products (such as syntheses or policy briefs) & contribute to other follow-up activities stemming from Regional Workshops Series, e.g. technical training and capacity building tailored to needs.
- 3. Global Policy Outreach:** Be part of GEO Mountains' advocacy activities related to International Years, UNFCCC COPs, etc.
- 4. Treaties Spatialisation:** Be part of a community that collectively work towards improving our understanding of the coverage of international environmental agreements across global mountains
- 5. Essential Mountain Variables:** Identify and help select a set of Essential Variables to prioritise for mountains areas, including the specification of requirements to meet mountain specific needs.
- 6. Contributions to global assessments:** Contribute towards assessment relevant syntheses products that respond to knowledge needs e.g. for the IPCC 7th assessment, among others.

GEO Mountains: How to get involved?



Small Grants 2024 Call 2024 - 2025

- Call for **project proposals that explicitly explore mountain monitoring, data, and information.**
- Proposals that address the themes of the **International Year of Glaciers' Preservation in 2025** are especially encouraged.
- 5 priority regions: Andes, East Africa, HKH, Caucasus, Central Asia.
- 10 projects – up to 10,000 CHF each
- Key Dates:**
 - Q&A webinar: 6 May, 14:00 CEST
 - Deadline for proposals: 3 June 2024



Information about the call & registration for the webinar

<https://geomountains.org/resources/funding-opportunities/2900-geo-mountains-small-grants-programme-2024>



Many thanks!

geomountains@mountainresearchinitiative.org

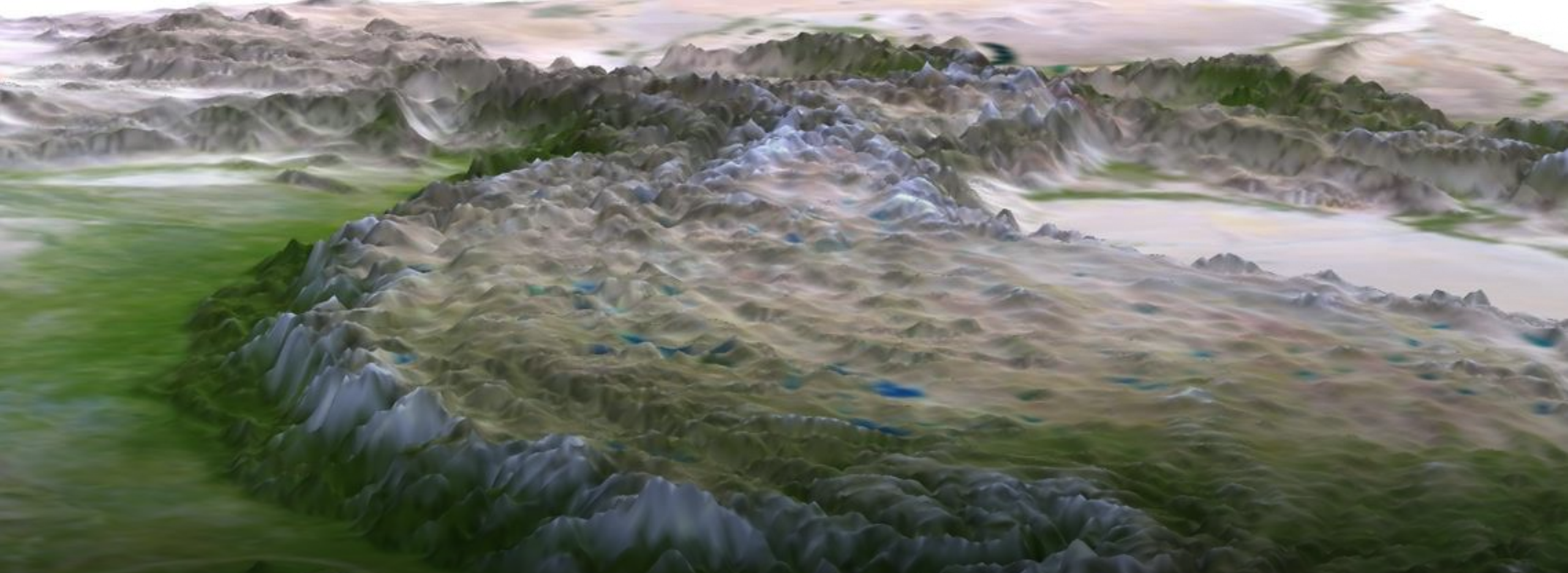
Connecting the Disconnect

Strengthening Science-Policy Dialogue for Informed Policy Actions in the HKH

Babar Khan, Ph.D

Senior Ecosystem Management Specialist / Action Area Coordinator
for Regional Cooperation & Collaboration

30 April 2024



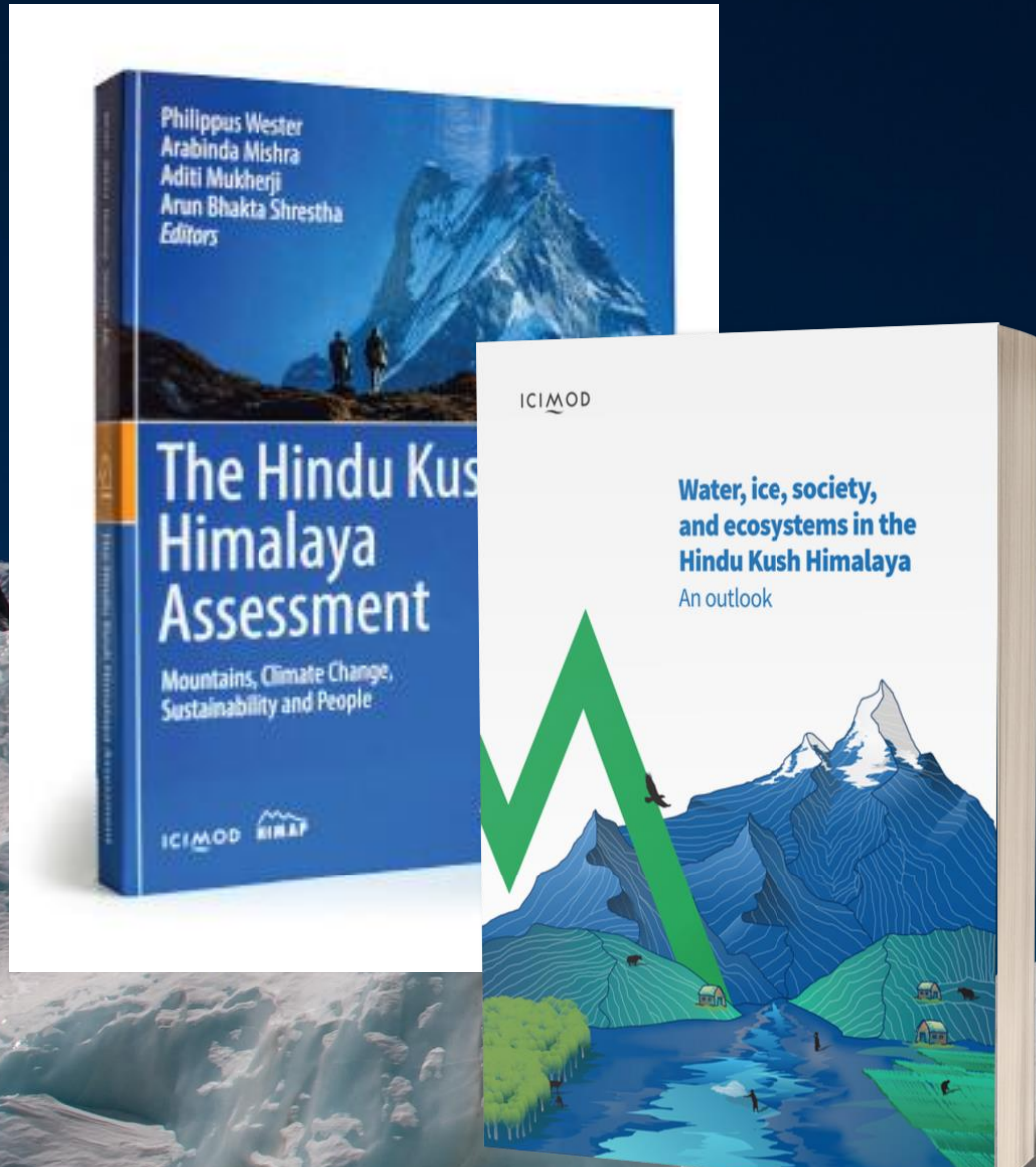
The Third Pole: The Hindu Kush Himalaya

Global asset for food, energy, water, carbon, and cultural and biological diversity

3,500 km length over 4 million sq km; 54,000 glaciers over 60,000 sq km



Key findings: HIWISE



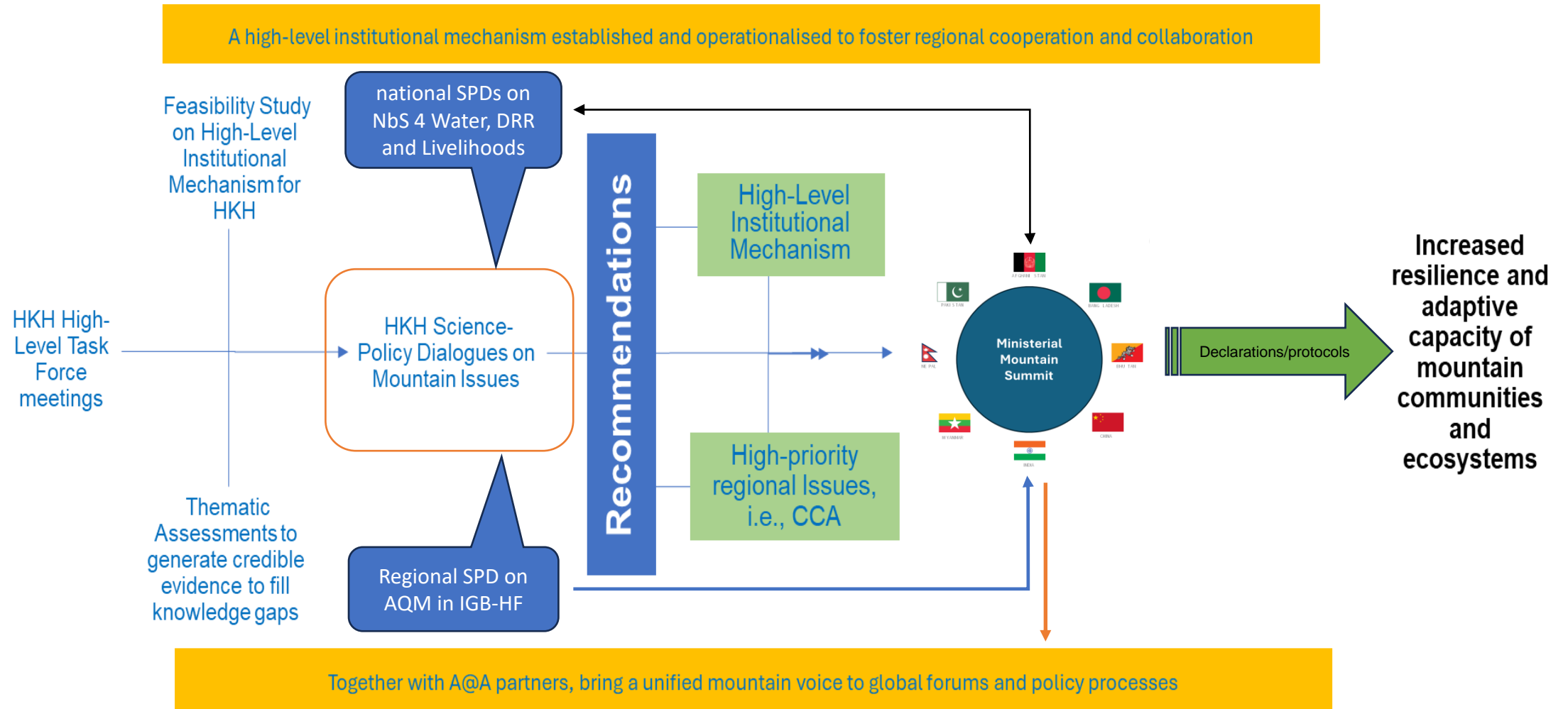
Glaciers disappeared 65% faster in 2011 –2020 compared with previous decade and could lose up to 80% of volume by 2100

Water availability will peak in 2050, then decline – resulting in huge uncertainty

Fragile mountain habitats are already being hit hard species declines and extinctions

Floods and landslides set to increase with a spike in glacier lake outburst flood risks

Strengthening Science-Policy Interface on regional and transboundary issues/ challenges



Science-Policy Dialogues in the HKH region (April – June 2024)

S. #	Activity	RMC Partner/Collaborator	Nature	Date & Venue
1.	Science-Policy Dialogues Three national-level SPDs on Nature-based Solutions for climate change adaptation in the HKH region			
a.	NbS for drinking water in the Chittagong Hill Tracts (Bangladesh)	Ministry of Chittagong Hill Tracts Affairs, Bangladesh	In-person	Dhaka, 29 May 2024
b.	NbS for livelihoods in Bhutan	Ministry of Agriculture and Forests, Bhutan	In-person	Thimphu, 20 June 2024
c.	NbS for DDR in Nepal	National Disaster Risk Management Authority, Nepal	In-person	Kathmandu, 17 July 2024
2.	Regional Science-Policy Dialogue on Air Quality Management in IGB-HF		Hybrid	Paro, 18-19 June 2024)

THANK YOU



#SaveOurSnow

Keep mountains on the global agenda

Sign the declaration

Spread the word

Share stories and photos of climate impacts on mountains

www.icimod.org/saveoursnow





Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC



A@A Knowledge Network Meeting `Mountains Connect` - Interregional exchange and learning for resilient mountain communities

30-04-2024 Adaptation at Altitude programme

Ansgar Fellendorf – Ansgar.fellendorf@un.org

Mountains Connect: interregional exchange and learning

Shared challenges x shared solutions

- Online knowledge space www.mountains-connect.org

#MountainsConnect Interregional Workshop |
20-22 June 2022 in Vienna, Austria

- 62 participants from 6 ranges and 26 countries for interregional exchange and action learning
- Governance simulation of “Tamlar mountain range” openly available



Mountains Connect workshop in Vienna ©A@A

Barriers for regional collaboration and mountain range governance

1. Lack of **exchange platforms** for complex challenges and **sharing evidence of practical solutions and policies** among mountain countries
2. Gaps in **understanding of mountain specific climate change induced processes** and ecosystem services limit the capacity to inform decisions on effective adaptation solutions in transboundary ecosystems
3. **Sustainable mountain development** and adaptation not sufficiently **integrated in policy making**, neither at national, regional or sectoral levels

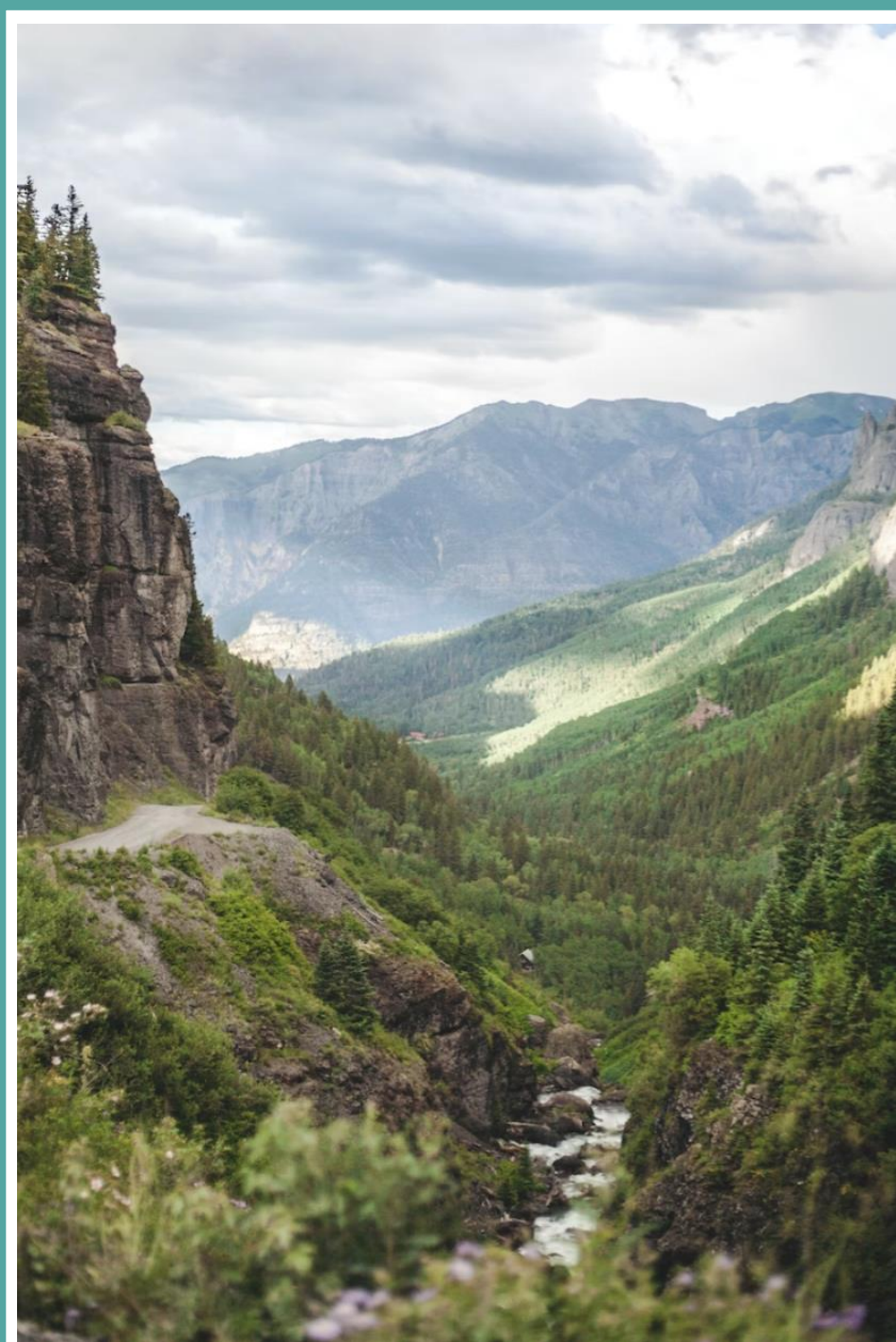
Learnings along 7 Dimensions of Mountain Range Governance

Governance Dimension	Key considerations
Territoriality	<ul style="list-style-type: none"> • Scope along topography or political boundaries • Clarify legal applicability and funding eligibility
Institutional Formality	<ul style="list-style-type: none"> • Formal instruments offer legal status, accountability and continuity • International treaties/conventions with transaction cost • Informal networks more flexible, but less stable and funding
Sectoral integration	<ul style="list-style-type: none"> • Integrating dimensions of SMD avoiding silos • Expertise in thematic working groups • Adaptation as cross-sectorial topic
Vertical coordination	<ul style="list-style-type: none"> • Integrate subnational and local governments in regional mountain governance
Civil Society Participation	<ul style="list-style-type: none"> • CSO participation depends on formalization and prevailing relations • Formalize CSO participation through observer status
Science-Policy Interface	<ul style="list-style-type: none"> • Scientific collectives key to support evidence-based decision making • Advisory, observer or contributing role, e.g. reports + recommendations
Funding Arrangements	<ul style="list-style-type: none"> • Regular member state contributions for continuity • Projects for funding activities • Diversity of funding sources incl. external donors

Cf. Balsiger et al. 2020



Questions?



AOB

- Check out our new website!
- Explore the learning event summary

Get involved!

1. Climate Change Adaptation in Mountains theme on weADAPT



Theme

Climate Change Adaptation in Mountains

Mountains are highly vulnerable to climate change. They also provide numerous essential services. This theme explores how mountains and mountain communities can be made more resilient.

115 Members 101 Articles 20 Case studies

Join

Share

Latest About Editors Members

Filter by

Sort by:

Agriculture in Mountains

Biodiversity and Ecosystem Services

Data and Knowledge for CCA in Mountains

Mountain communities

Water stress and hazards

2. A@A Solutions Portal

Search... Search Reset Sort by: Newest

Full Solution Short Solution

Scales Select Option (s) Ecosystems Types Select Option (s) Solution Types Select Option (s)

Sectors Select Option (s) Impacts Addressed Select Option (s)

Increasing agricultural viability and climate resilience through community seed banks in Nepal

The HKH Adaptation Solutions Portal is one of a collaborative family of regional and topic-orientated portals working with the Adaptation at Altitude programme to collect and connect knowledge on successful...

View Resource →

Using Allo to transform local economies and build climate resilience in Nepal

The HKH Adaptation Solutions Portal is one of a collaborative family of regional and topic-orientated portals working with the Adaptation at Altitude programme to collect and connect knowledge on successful...

View Resource →

Saving lives and property – The fight against yearly flash floods in the Hindu Kush Himalaya: a case study of Pakistan

The HKH Adaptation Solutions Portal is one of a collaborative family of regional and topic-orientated portals working with the Adaptation at Altitude programme to collect and connect knowledge on successful...

View Resource →

