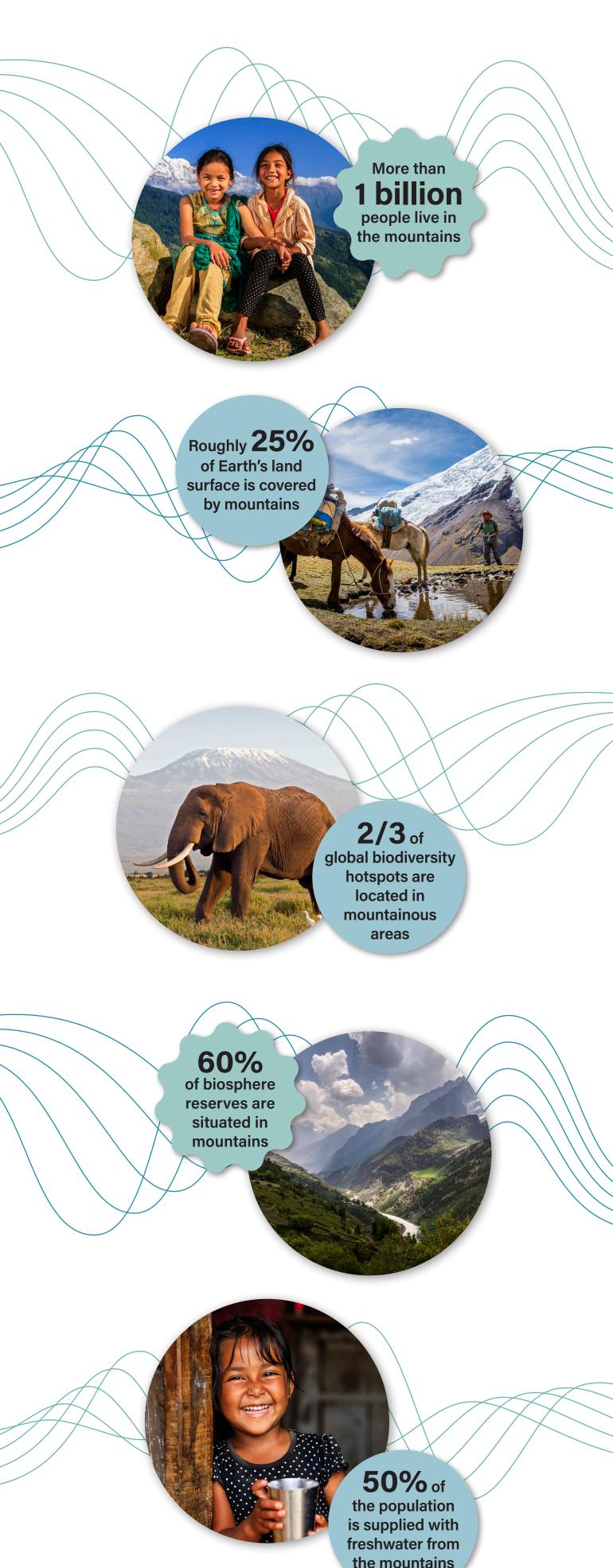


ADAPTATION AT ALTITUDE

4 Years of Collaborative Action in the Mountains

Mountains are vital ecosystems, providing a home for people and rich biodiversity, hosting an impressive array of natural resources, and essential ecosystem services for livelihoods.



Changing precipitation patterns

Warming permafrost

Rising temperatures

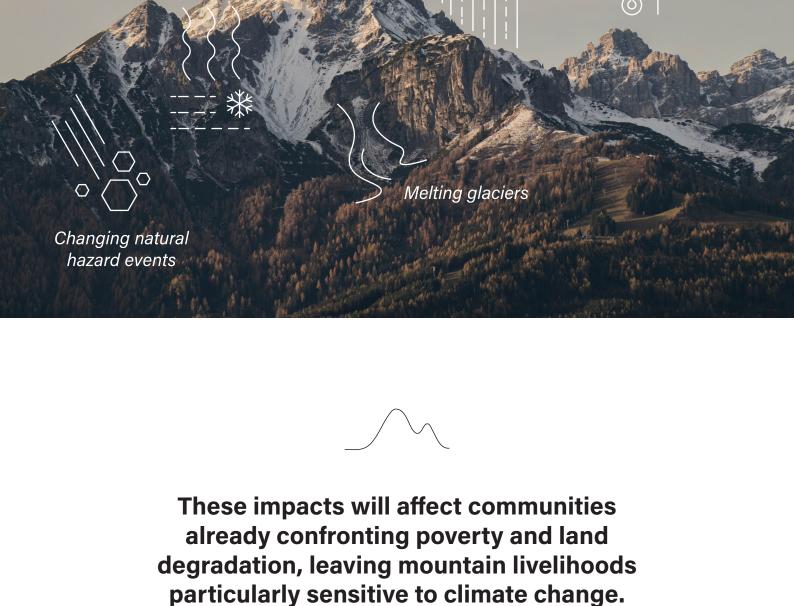
However, mountains are also some of the most

vulnerable areas on the planet, with a rugged

environment that is often cut off from vital infra-

structure. Not only that, but mountains feature

some of the clearest indications of climate change.



The Adaptation at Altitude programme seeks to increase the resilience and adaptative capacity of mountain communities and ecosystems to climate change by improving knowledge of appropriate adaptation strategies and transferring this knowledge to inform

decision-making in national, regional and global policy processes. Throughout Phase 1 of the programme (2019-2024), seven partner organisations have come together to achieve

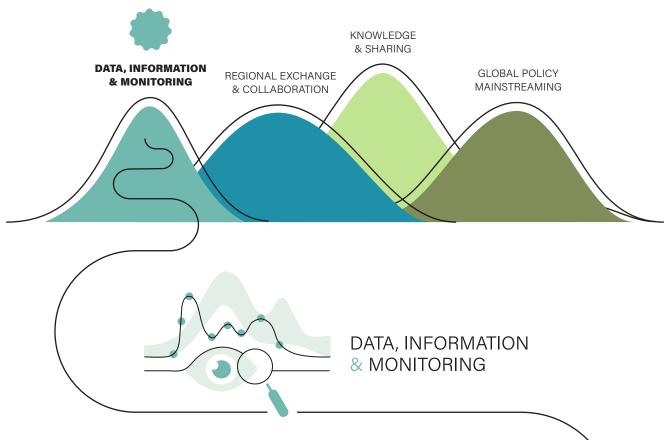
four major outcomes that will help accomplish these goals.

KNOWLEDGE
& SHARING

DATA, INFORMATION
& MONITORING

REGIONAL EXCHANGE
& COLLABORATION

MAINSTREAMING



Improved mountain observation data and accurate scientific information is pivotal to understanding the impacts of climate change in mountains, and informing appropriate adaptation strategies for mountainous countries. Outcome 1 strives to close the information gap through improved access to Earth Observation data and a series of outputs that transfer knowledge through science-policy platforms to inform decision-making in national, regional, and global policy processes.

REPORT

Policy Brief on Mountain Observation: Monitoring,
Data, and Information for Science, Policy, and Society

gives an overview of the current state of multidisciplinary observations



©Jakob Steiner

100 Mountain Fact Booklets have

been generated

REPORT

The Mountains Uncovered Series

provides an overview of the key characteristics of 100 mountain ranges

51,000 stations/sites in the GEO Mountains' In Situ Inventory (v2)

REPORT

GEO Mountains Data inventories compile metadata on stations and infrastructure (<u>In Situ Inventory</u>), and other datasets (<u>General Inventory</u>) in mountains

5 Peer-Reviewed Publications published 642 Datasets,
Data Portals, & Tools
listed in the GEO
Mountains General
Inventory (v1.4)

REPORT

The Sustainable Mountains Training Course

provides resources on the importance of mountains and resilience intiatives for learners of all ages

REPORT -

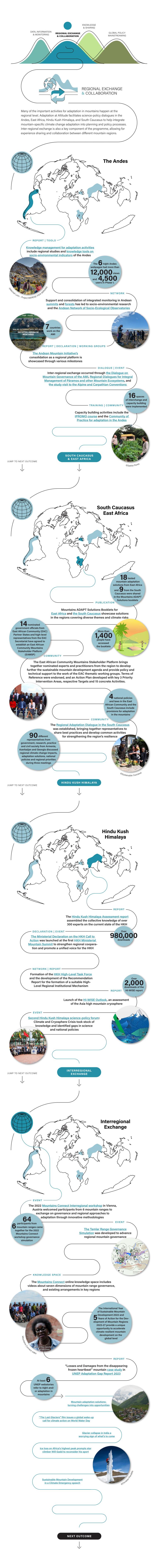
The Central Asia Mountain Observatories Network
was formed, and its inaugural meeting took
place in Almaty in 2023

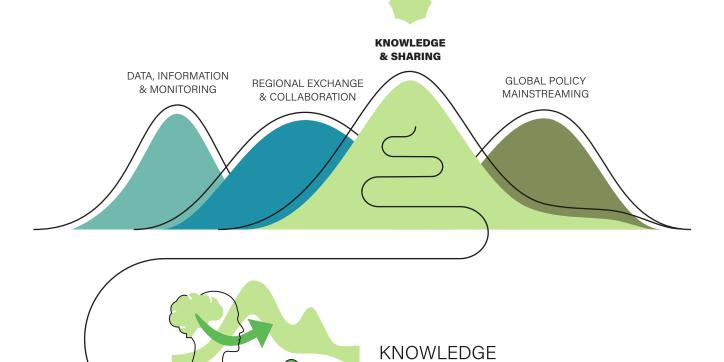
Data
projects funded via
the GEO Mountains'
Small Grants
Programme

- REPORT -

IPCC AR6 contributions on impacts, adaptation and vulnerability were made by GEO Mountains members

NEXT OUTCOME





& SHARING

Around the world, practitioners, policy makers, and other experts are working on increasing the resilience and adaptive capacity of mountain regions. Outcome 3's aim is to bring this knowledge together and support the sharing of research and good practices to better inform national, regional, and global adaptation approaches through a community of practice and a global database of solutions for mountains.

SOLUTIONS -

The <u>A@A Solutions Portal</u> showcases tried and tested climate change adaptation solutions for mountain regions across different risks and sectors

99 solutions are available on the A@A Solutions Portal



COMMUNITY

Climate Change Adaptation in Mountains
theme on weADAPT connects experts to
share knowledge and experience in one space

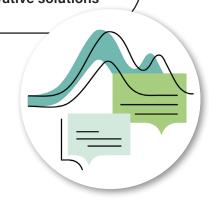
There are 110
registered users of the
weADAPT Climate Change
Adaptation in Mountains
theme, which features

pieces of topicspecific content

- COMMUNITY -

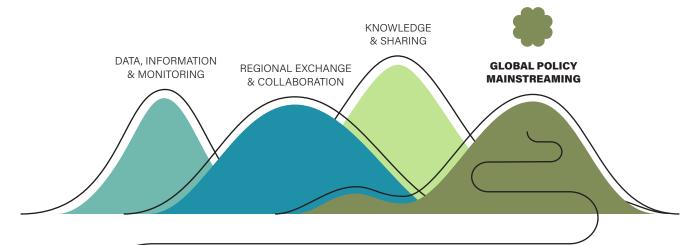
The <u>A@A Knowledge Network</u> is a community of practice on climate adaptation in mountains to accelerate the uptake of innovative solutions

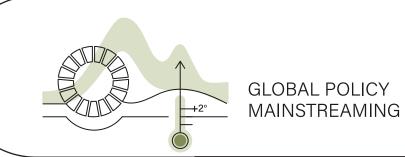






NEXT OUTCOME





Outcome 4 aims to ensure that the major global policy processes related to climate change, disaster risk reduction, and the Sustainable Development Goals are taking climate change adaptation in mountains into account. Policy mainstreaming activities such as events, briefs, and guidance documents have been conducted to inform decision makers and other stakeholders about the importance of mountains in policy planning.

- EVENT -

UNFCCC COP side events have explored topics such as <u>climate impacts in mountains</u>, <u>disaster risk reduction for natural hazards</u>, <u>financial options for adaptation projects</u>, and interregional exchange

The Nairobi Work
Programme of the
UNFCCC established a
thematic area on knowledge and innovation in
mountains

The mountains nonpaper was shared at the 35th Board Meeting of the GCF and supported by several countries, subsequently bringing mountains into the new GCF Strategic Plan 2024-2027

REPORT

The <u>'Leave No Mountain Behind: Disaster Risk Reduction</u> <u>for All' brief</u> dives into how disasters in the mountains are increased by development failures and climate change impacts

- REPORT | EVENTS -

Engagement with Parliamentarians includes a webinar series on mountain-related issues and an issue brief with guidance on incorporating key adaptation actions in different countries



