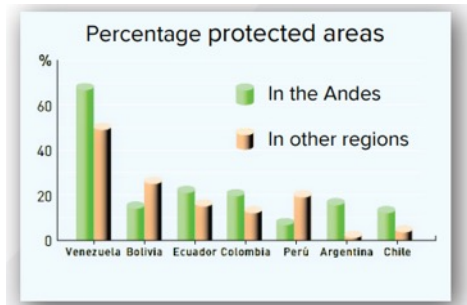
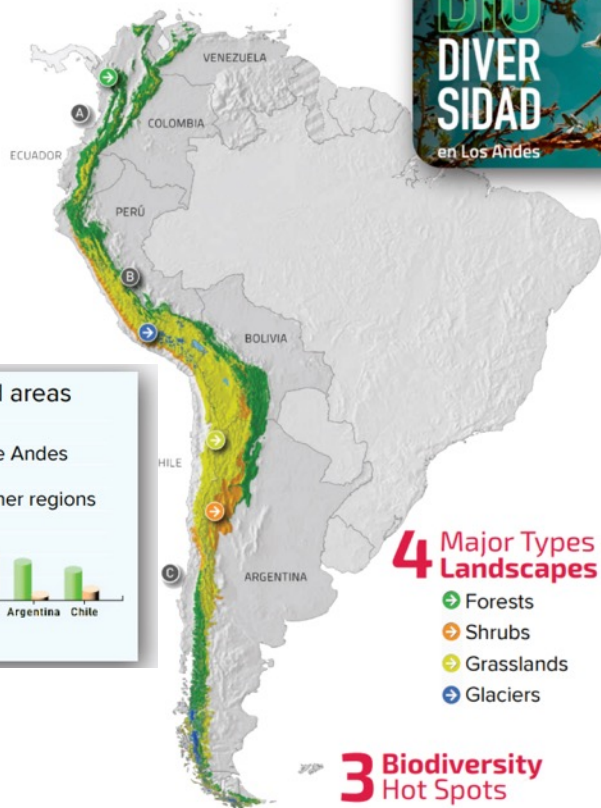




ANDEAN MOUNTAIN INITIATIVE



CONTEXT - Biodiversity



4 Major Types of Landscapes

- ➔ Forests
- ➔ Shrubs
- ➔ Grasslands
- ➔ Glaciers

3 Biodiversity Hot Spots

- A Tumbes-Choco-Magdalena
- B Tropical Andes
- C Chilean Winter Rainfall-Valdivian Forests

1.356
Protected
Natural Areas

* 56% of the total PNA in AMI countries are in the Andes

CONTEXT – Climate change

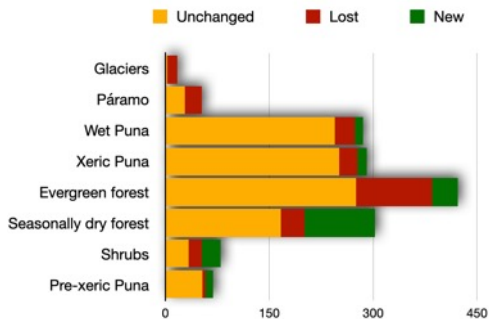


10% Contribution of melting of Andean glaciers to sea-level rise

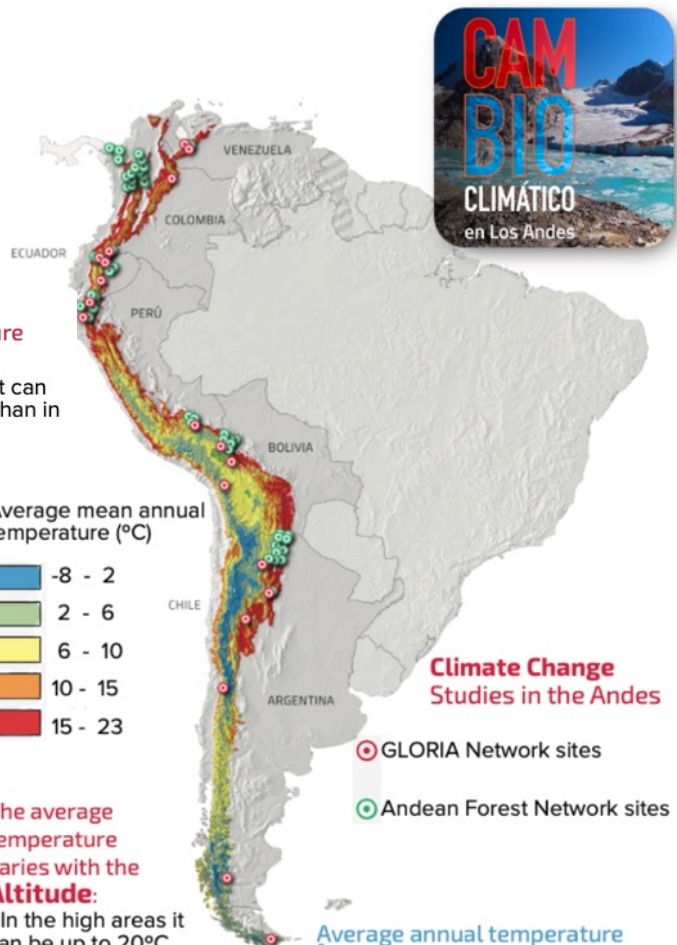
80 to 100% Projected decline in tropical glacier area by the end of the century

The average temperature varies with **Latitude**:

* In the Tropical Andes it can reach up to 10°C more than in the Southern Andes



Projections for 2040-2070
Projected changes in area of the major biomes of the Andes under climate change scenarios



The average temperature varies with the **Altitude**:

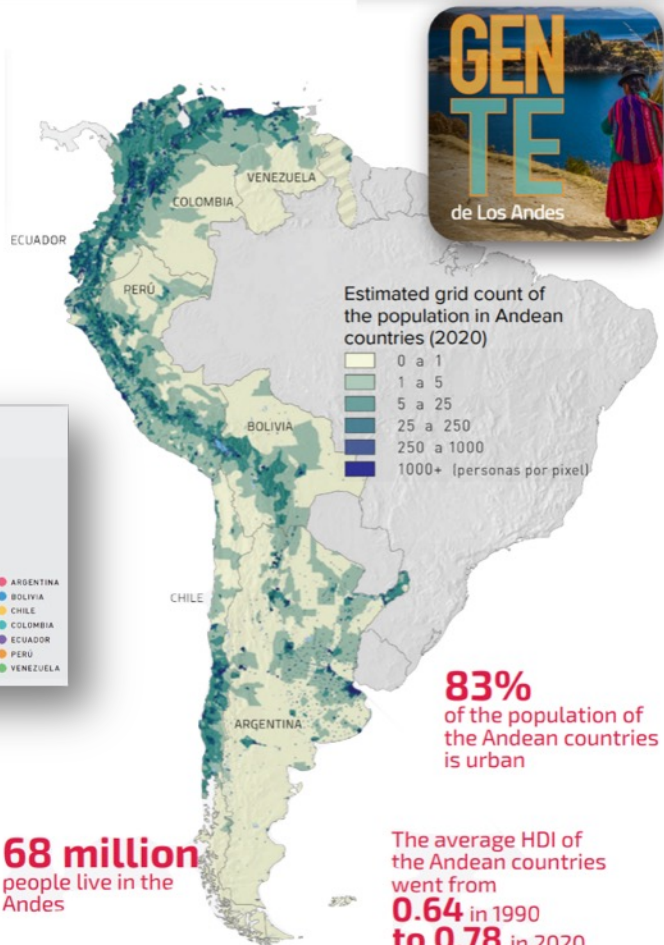
* In the high areas it can be up to 20°C less than in the low areas

Average annual temperature increase

* In the Andes (above 4000 m a.s.l.): 0.2 °C/decade
* Global: 0.18°C/decade



CONTEXT – People of the Andes



83%
of the population of the Andean countries is urban

68 million
people live in the Andes

The average HDI of the Andean countries went from **0.64** in 1990 to **0.78** in 2020

21 million
are descendants of the indigenous peoples

ANDEAN INITIATIVE

MOUNTAIN

A platform formed by the seven countries that share a common territory: the Andes. On a voluntary basis, they seek to strengthen the regional dialogue with the purpose of promoting and undertaking joint actions aimed at the conservation and sustainable development of the Andean mountains

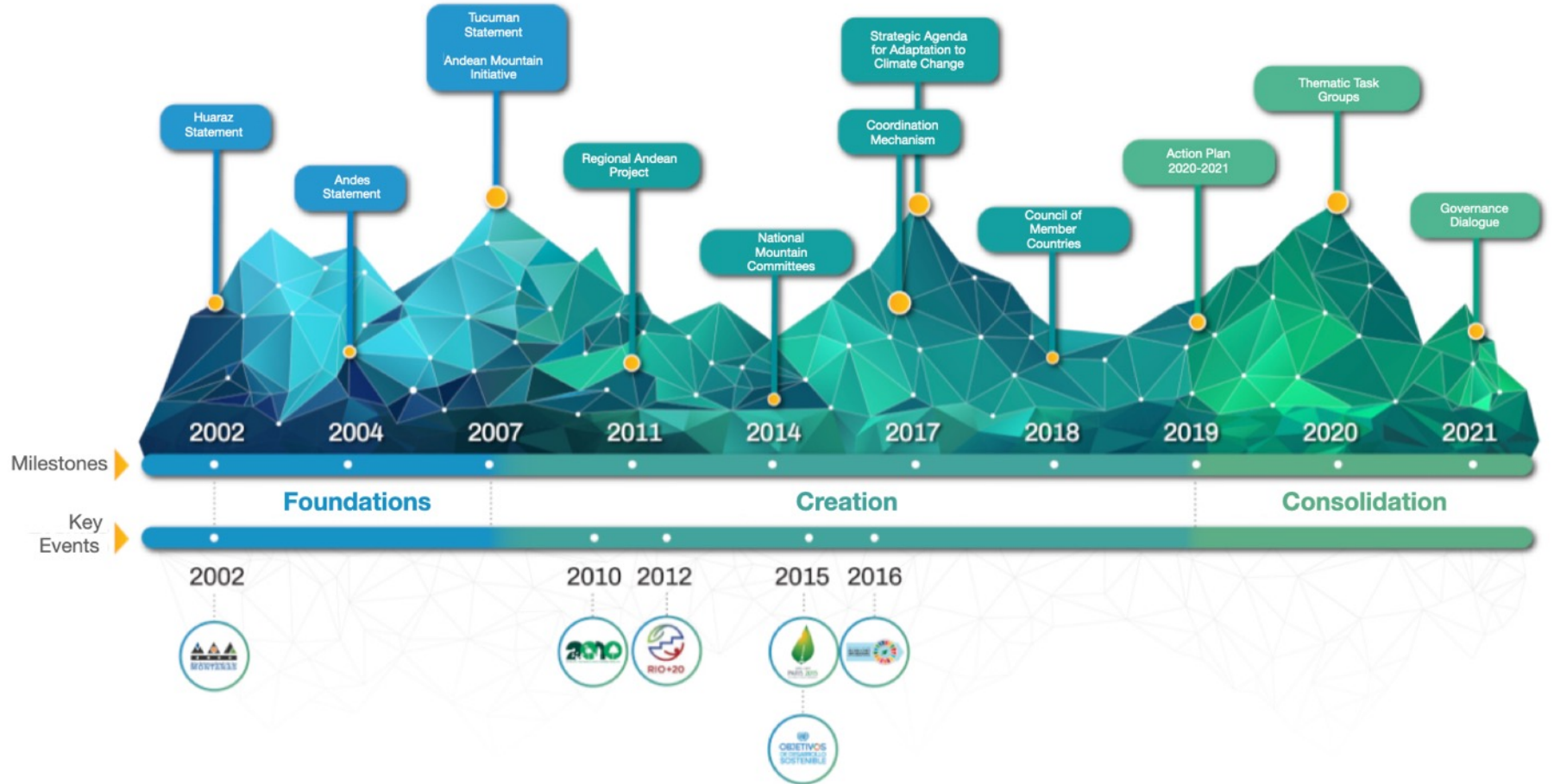


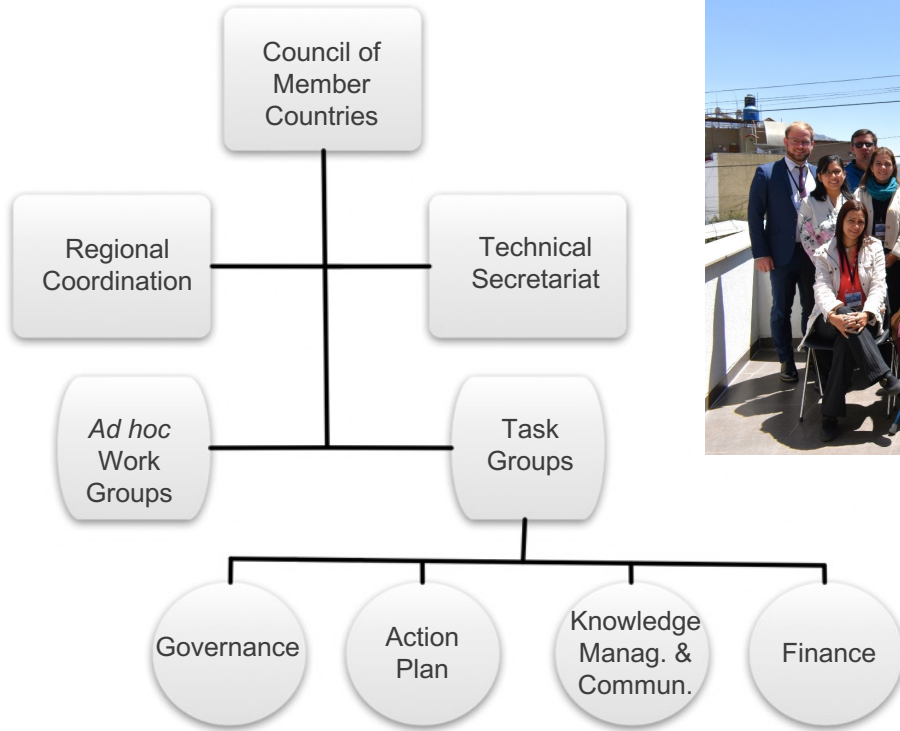
MISSION

To encourage cooperation and agreements between the countries of the Andean region, in order to facilitate decisions aimed at the sustainable development of mountain areas and their populations, promoting adequate management, handling, conservation and governance of mountain ecosystems and the development of policies, strategies, plans and programs focused on the development of the mountain populations of the member countries, and on facing climate change.



HISTORY of the AMI





Observer: Mountain Partnership

Guest: UNEP



PRIORITY THEMES

**Biodiversity
and Ecosystem
Services**



**Climate
Change
and Risk
Management**



**Water
Resources
and Food
Security**



**Health and
Reduction
of Poverty**



PRINCIPLES

- Integration
- Participation
- Sustainability
- Decentralization
- Transparency

TRANSVERSAL FOCUS

- Gender
- Intergenerational
- Interculturality
- Climate change adaptation

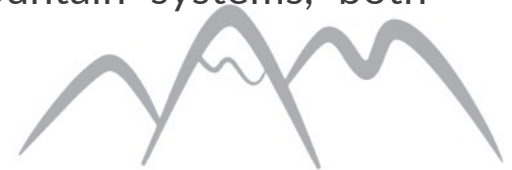


Pro-tempore Regional Coordination (CR)

Formed by the technical focal point (highest national authority with competence in environmental matters) and the political focal point (Ministry of Foreign Affairs) of the designated country.

Functions:

- Coordinate the activities developed by the AMI with the support of the TS.
- Promote cooperation between countries in the region through the exchange of lessons learned in the sustainable development of mountains at the national level, and its projection at the regional level.
- Identify areas of joint work, cooperating sources, and common problems, promoting the articulation of appropriate solutions.
- Foster cooperation among Member Countries in order to reach a common position of the region before international forums.
- Disseminate the importance of the Andes and other mountain systems, both within the region and in international forums.
- Others.



Technical Secretariat (TS)

An institution linked to the theme of mountains with technical, financial and regional articulation capacity

Functions:

- Design and organization of ordinary and extraordinary meetings.
- Support to the Thematic Task Groups
- Identification of regional action opportunities for the management, promotion and conservation of mountain areas and ecosystems.
- Preparation of thematic reports or communication products with legal and technical-scientific support.
- Facilitation of the participation of the AMI and the Member Countries in various exchange and learning events between regional and global actors.
- Design and execution of an annual strategy for communication and dissemination of the AMI.
- Design of a financing strategy.
- Link with the Secretariat of the Mountain Partnership (FAO).

Ad hoc working groups

Specific-purpose working groups, established by mandate of the Council of Member Countries (CMC). They will be conformed by members of AMI Countries, and have the support of the TS.

Functions

- To develop products of a technical-political nature to be presented to the RC, and when appropriate, to the CMC.
- The products developed by working groups do not represent AMI decisions until they are approved by the CMC.
- The operating time will be defined by the RC, according to the nature of the activities to be carried out.

Selection mechanisms for RC and TS

Pro tempore Regional Coordination (RC)

- Rotating, by free application or nomination of the countries.
- Two years periods
- Elected in the Council of Member Countries.
- In the event of difficulties in nominations for a term, the same country that has led the RC can exceptionally be re-elected, for only one additional period.

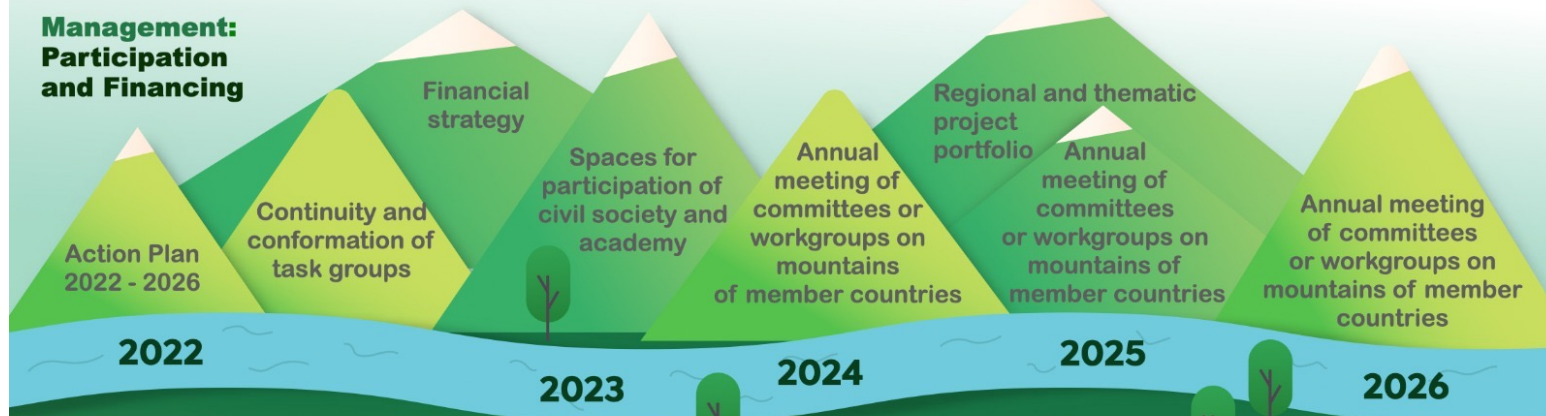
Technical Secretariat (TS)

- By open call, for a four year period
- Council of Member Countries evaluates the work of the TS at the end of its period of operation.
- Depending on the result, renewal of management for up to two years is considered.

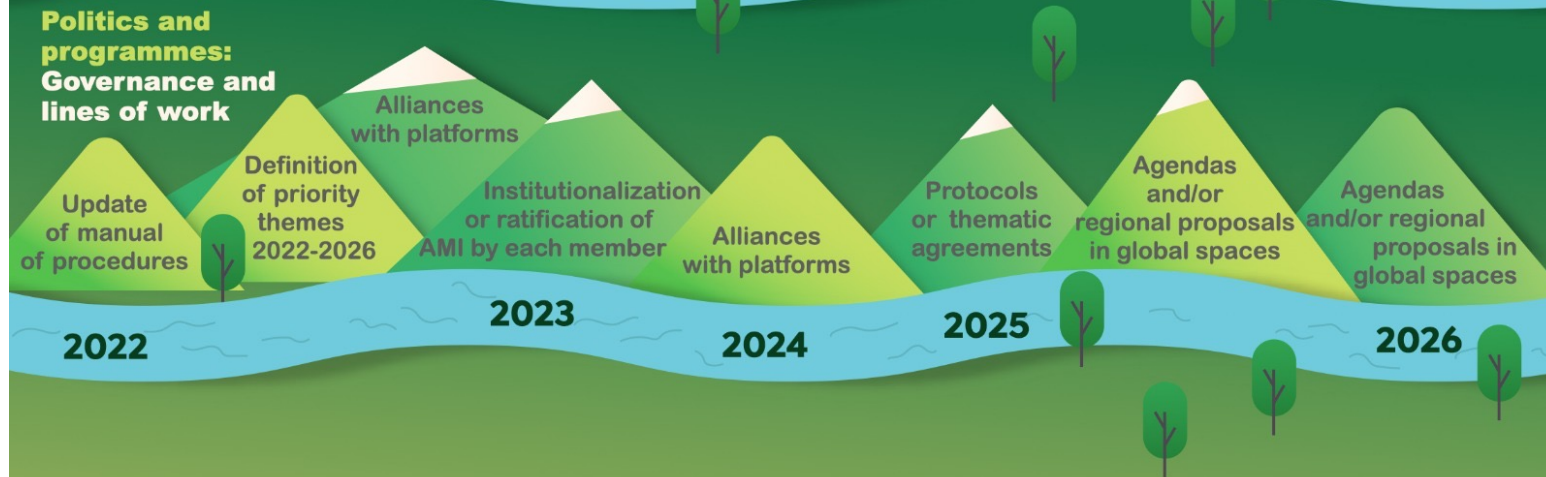
ROADMAP FOR GOVERNANCE STRENGTHENING ANDEAN MOUNTAIN INITIATIVE



Management: Participation and Financing



Politics and programmes: Governance and lines of work



GOVERNANCE ROADMAP

- Consolidate legitimacy and representativeness
- Consolidate innovative communication mechanisms.
- Take action through agreements
- Develop a capacity for timely action, despite uncertainty or lack of resources



HOJA DE RUTA
PARA FORTALECER LA GOBERNANZA
INICIATIVA ANDINA DE MONTAÑAS

ACTION PLAN 2022 - 2026

General Objective:

To position the Andean Mountain Initiative as a body for articulating actions at the regional level, contributing to the sustainable management of mountain areas and improving the quality of life of mountain populations.



ACTION PLAN 2022 - 2026



Goal 1: GOVERNANCE STRENGTHENING

Consolidate AMI
governance.

Goal 2: KNOWLEDGE MANAGEMENT

Improve decision-making
processes

Goal 3: CAPACITY DEVELOPMENT

Strengthen sustainable
management in mountains

Goal 4: DISSEMINATION, AWARENESS AND COMMUNICATION

Position mountain themes
in the global agenda



CALL TO ACTION – Huaraz - Perú. 2022

- Promote the implementation of strategies for adaptation to climate change, sustainable land management, conservation, restoration and sustainable use of biological diversity.
- Recognize water security
- Promote capacity development.
- Reactivate and strengthen the value chains of Andean products.
- Promote the inclusion of mountain areas, especially protected areas, as a priority in public policies.
- Strengthen inter-regional exchange and cooperation processes.
- Recognize the relevance of scientific research and technological development.

Exchange expectations

- **Formality:** legally binding vs. non-binding; history about it.
- **Sustainability:** Funding, opportunities and commitment by member countries
- **Participation:** integration of scientists, civil society etc. in regional mechanism
- **Vertical coordination:** how to integrate different governance levels in mechanism, including local level
- **Implementation** of regional projects /strategies/ policies/ frameworks/ action plans on the ground with different stakeholders



Our experience

- Regional long-term monitoring networks
- Experience in the development of policies regarding mountains.
- Experiences in regional projects, advances and challenges.
- Platform of socio-ecological indicators).
- Advances in: Biodiversity-related projects, disaster risk management in mountains, touristic management in natural protected mountain areas, participative process for defining strategic ecosystems.



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WELCOME THE ANDEAN MOUNTAIN INITIATIVE

Mountains unite us

The Andean Mountain Initiative is a platform formed by the seven countries that share a common territory: the Andes. Argentina, Bolivia, Colombia, Chile, Ecuador, Peru and Venezuela, on a voluntary basis, seek to strengthen the regional dialogue with the purpose of promoting and undertaking joint actions aimed at the conservation and sustainable development of the Andean mountains.

www.iam-andes.org



TASK GROUP: Governance

In charge of monitoring the implementation of the Roadmap to Strengthening of the Governance of the AMI. The Roadmap, aimed at facing the challenges in a 5-year horizon (2022 - 2026), incorporates processes of strategic planning, political incidence, participation, resource mobilization, communication and awareness, as well as the development or consolidation of management mechanisms.

Members: Argentina, Bolivia, Chile, Colombia, Ecuador, Perú and Venezuela.



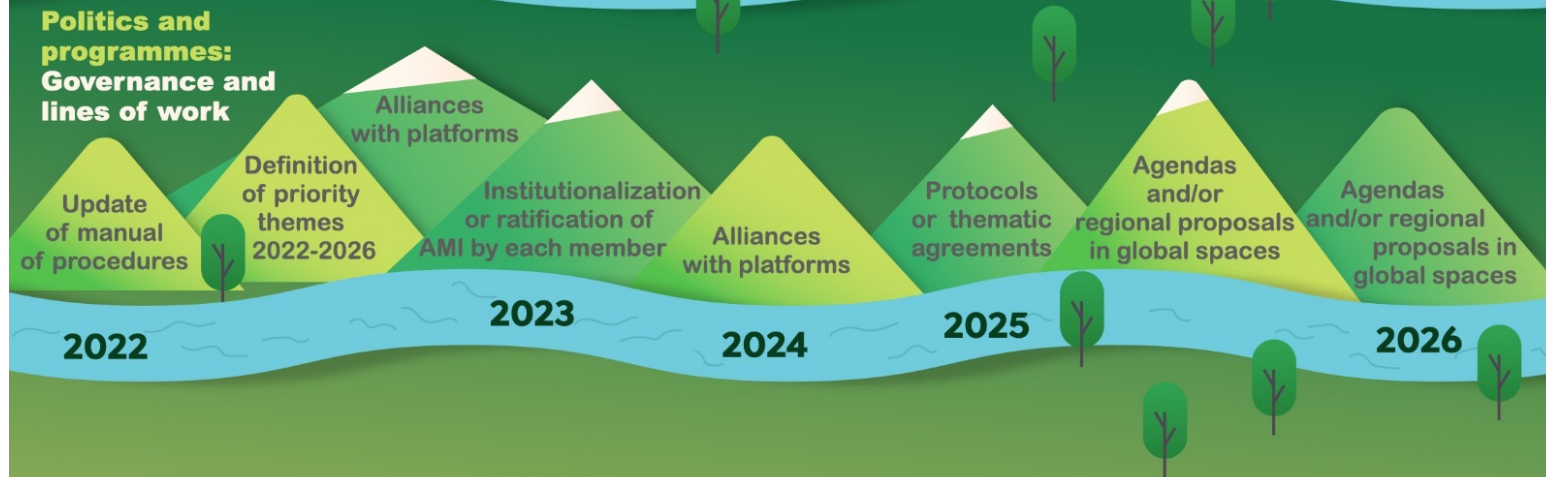
ROADMAP FOR GOVERNANCE STRENGTHENING ANDEAN MOUNTAIN INITIATIVE

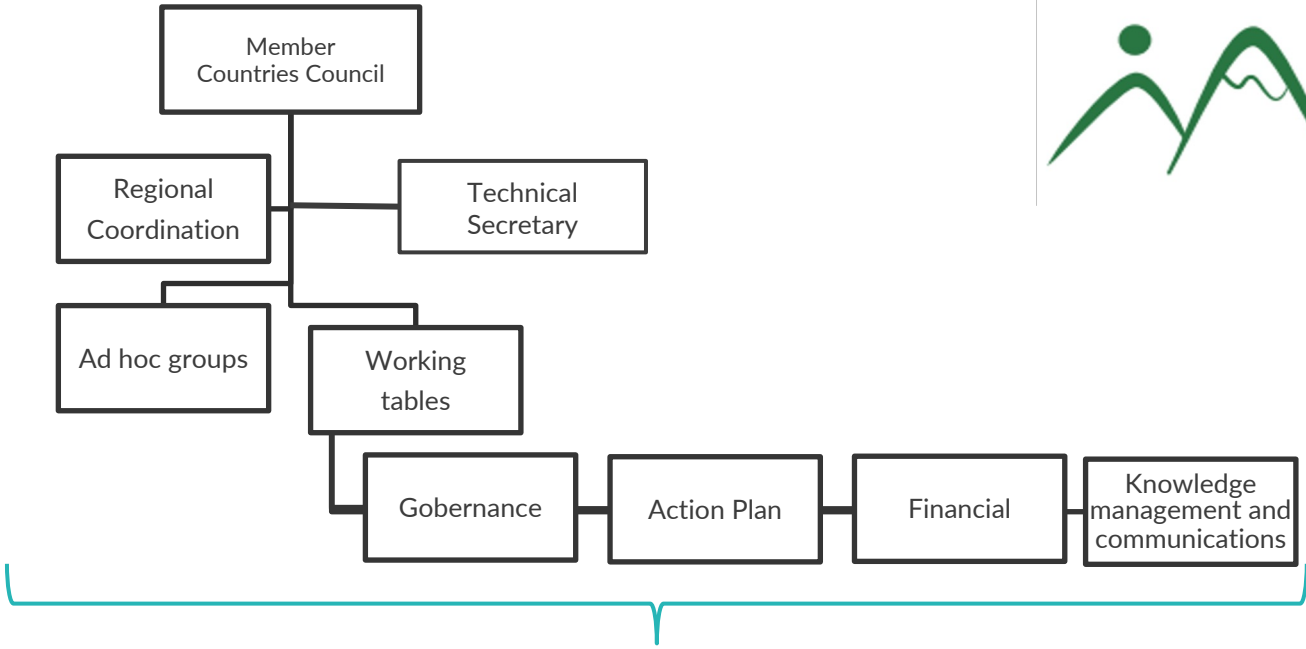


Management: Participation and Financing



Politics and programmes: Governance and lines of work





- Argentina:** Sustainable Development Committee for the mountain regions
- Bolivia:** In agenda
- Chile:** Mountain National Committee
- Colombia:** Macro-basin Council
- Ecuador:** Working table of mountain landscapes
- Perú:** Mountain Technical Group
- Venezuela:** Venezuelan Mountain Committee

Main outcomes

- Identification of strategic themes for cooperation.
- Action Plan and Roadmap
- Declaration for the Mountain Ecosystem
- Proposal for articulation with science and academia.

Work in progress

- Exchange regarding governance models, with Alpine Convention and Carpathian Convention.
- Lessons learned: exchange workshops for members of national platforms.
- Participation in at least 5 regional and global events making visible the Andean mountain ecosystems and the IAM.



A topographic map of South America, showing the continent's terrain in shades of brown and tan, with blue lines representing rivers and coastlines. The map is positioned on the left side of the slide.

TASK GROUP: Finance

In charge of developing a financial strategy to implement the Action Plan of AMI, and ensure its operativity.

Members: Argentina, Bolivia, Chile, Ecuador, Perú and Venezuela



Main outcomes

- Identification of financing opportunities compatible with the themes prioritized by the IAM.
- Development of a study of vulnerability to climate change in 7 strategic basins.
- Articulation with those responsible before the Adaptation Fund of the Ministries of the Environment of the member countries.

Work in progress

- Identify possibilities and opportunities for technical and financial cooperation in international spaces.
- Identify potential donor entities.
- Identify existing value chains in the Andean countries of the IAM.

COLOMBIA [6]



Hasta 1°C por década en zonas de páramo (2030)



Del 10% al 30% en la región andina, con mayor intensidad de las precipitaciones en páramos (2030)

VENEZUELA [5]



De temperaturas mínimas en la zona altoandina (2030-2060)



Hasta -80% en más de la mitad del país para finales del siglo (2100)

Legenda



Aumento del promedio anual de temperatura bajo escenario RCP 8.5



Aumento del % de precipitación anual bajo escenario RCP 8.5



Disminución del % de precipitación anual bajo escenario RCP 8.5



Aumento o disminución de precipitación anual bajo escenario RCP 8.5

ECUADOR [4]



Hasta 0,66°C por década en zonas de páramo (2011-2040)



Entre -30 a 50mm/año en la precipitación en la región Andina (2011-2040)

BOLIVIA [87]



Hasta 2°C en el altiplano (2050)



Del 10% al 30% en la precipitación (2050)

PERÚ [13]



Entre 0,5°C a 2,5°C en los Andes (2030)



De precipitación -/+15% en la región andina (2030)



De 9% en la precipitación en Puno (2030)

ARGENTINA [3]



Hasta 1°C en San Juan, Mendoza, Salta y Jujuy (2030)



En general, marcadamente en el noroeste (2030)

CHILE [8]



Hasta 2°C en la ecorregión altoandina y andes mediterráneos (2030)



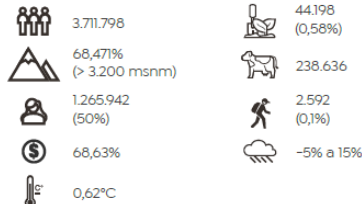
Hasta 20% en la precipitación en el Norte



Marcadas sequías en el centro-sur (2030-2060)

CUENCA DEL RÍO ESMERALDAS

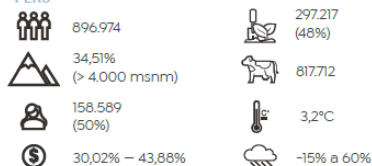
PICHINCHA, COTOPAXI, IMBARURA
ECUADOR



Fuente: INEC (2010) & Plataforma sobre adaptación al Cambio Climático de Ecuador

CUENCA DEL RÍO SANTA

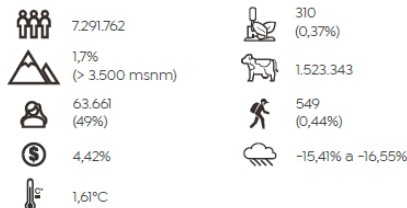
ANCASH, LA LIBERTAD
PERÚ



Fuente: INEI (2017) & SENAMHI (2021)

CUENCA DEL RÍO MAIPO

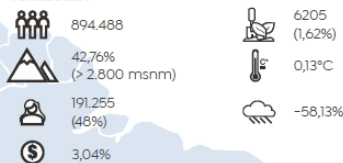
REGIÓN METROPOLITANA
CHILE



Fuente: INE (2017) & MMA (2018)

CUENCA DE LOS RÍOS CHAMA Y MOTATÁN

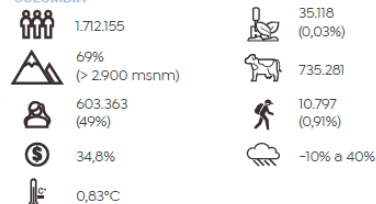
ESTADO DE MÉRIDA
VENEZUELA



Fuente: INDE (2011) & República Bolivariana de Venezuela (2011)

CUENCA DEL RÍO SOGAMOSO

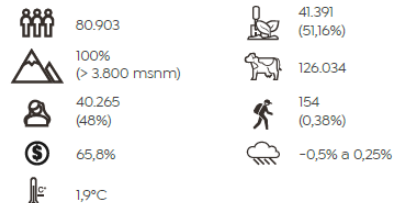
CUNDINAMARCA, BOYACÁ, SANTANDER
COLOMBIA



Fuente: DANE (2014) & IDEAM (2015)

CUENCA DEL SALAR DE UYUNI

POTOSÍ, ORURO
BOLIVIA



Fuente: INE (2012) & Torrico (2021)

CUENCA DEL RÍO BERMEJO

LA RIOJA
ARGENTINA



Fuente: INDEC (2010) & SIMARCC (2021)

Leyenda

- | | |
|---|--|
| Habitantes en toda la cuenca | Población dedicada a actividades agropecuarias |
| % Habitantes en zona altoandina (cota considerada) | Total, cabezas de ganado |
| Mujeres en zona altoandina (Porcentaje) | Población ocupada en turismo (Porcentaje) |
| % población en situación de pobreza | Variación del % de precipitación al 2030 - Escenario RCP 8.5 |
| Variación de la temperatura al 2030 - Escenario RCP 8.5 | |

A topographic map of South America, showing the Andean mountain range running north-south through the continent. The map uses brown and tan colors to represent elevation, with blue lines indicating rivers and coastlines. The map is positioned on the left side of the slide, partially overlapping the title.

TASK GROUP: Knowledge management and communication

In charge of Specific Objectives (SO) 2, 3 and 4 of the AIM Action Plan.

SO 2: Knowledge Management: Improve decision-making by facilitating access to knowledge, interscientific dialogue and exchange, and by generating access mechanisms to relevant and updated information at different scales.

SO 3: Capacity Building: Build capacities aimed at strengthening of processes related to the sustainable management of mountains.

SO 4: Dissemination, awareness and communication: Position mountain areas, especially protected areas, through the development of a culture of appreciation of their ecological, economic, cultural and social relevance.

Members: Argentina, Colombia, Ecuador, Perú and Venezuela.

A stylized, grey line-art graphic of a mountain range, located in the bottom right corner of the slide.

Work in progress

- Database at the regional level: Committees, Academia and Civil Society.
- Identification of cultural - natural Heritage and Biosphere Reserves in mountain areas. Contact with UNESCO.
- Training opportunities aimed at identified local communities.
- Criteria for the identification of common problems and good practices for the sustainable development of the Andean mountains.
- Identification of weaknesses, strengths, and technical capacity gaps in the public and private sectors.
- Dissemination of information resources about the Andean mountains
- Support to Governance Task Group

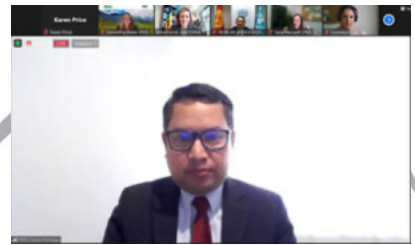
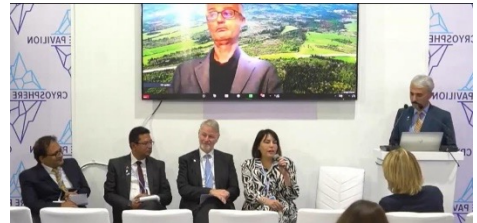
2022

- **Interregional Workshop “Mountains Connect”**
- **Sixth Global Meeting of the Mountain Partnership.** Side event: *Strengthening the Governance of the AMI for resilient societies in the region.*
- **COP 27. Cryosphere Pavilion.** Side event Mountains Connect: *collaboration and partnership between mountain ranges: From the Andes to the Alps, Carpathians, East Africa and the Hindu Kush Himalayas.*



2023

- **Sixth Meeting of the Forum of Countries.** Economic Commission for Latin America and the Caribbean (ECLAC). Side event: *Strategic alliances for sustainable development in the Andes: The experience of the AMI.*
- **United Nations Conference on Water.** Side event: *Promoting Sustainable Mountain Development: Water towers for the population and the planet.*



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www.iam-andes.org



Thanks
Gracias
Riqsikuyki
Pay suma