



# Switzerland's approach and interventions in the integral risk management

At international level: examples of Andean initiatives



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# Major goals of SIC

## Sustainable global development with less poverty based on:

- **Social:** fostering equity, fair access to social services
- **Ecological:** conservation of common goods
- **Economic:** efficient use of resources, reduction of inequities, green economy



**PACCC PERU**

Programa de Adaptación al Cambio Climático

Population and public & private institutions of the intervention areas implement **climate change adaptation measures**; their **capacities** to respond to the effects of climate change are **strengthened** and **policy influence** has been reached at local, regional and national levels.



**BOLIVIA**  
**PRRD**

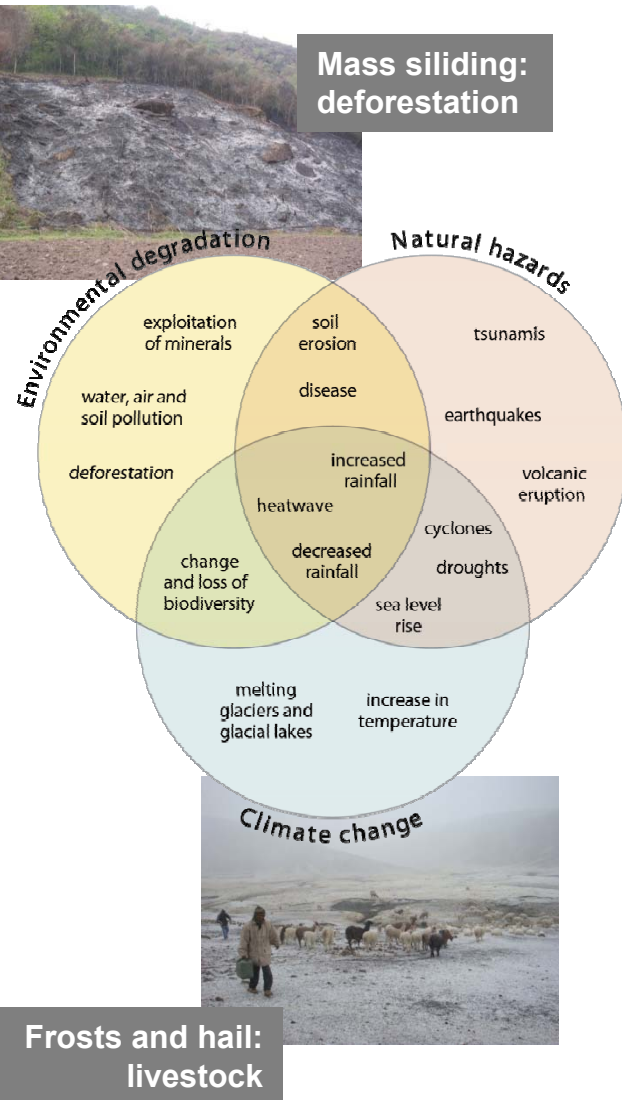
Programa de Reducción  
del Riesgo de Desastres

The country is in better conditions to reduce the **impact of natural disaster and climate change** on **lives, infrastructure and economic activities**

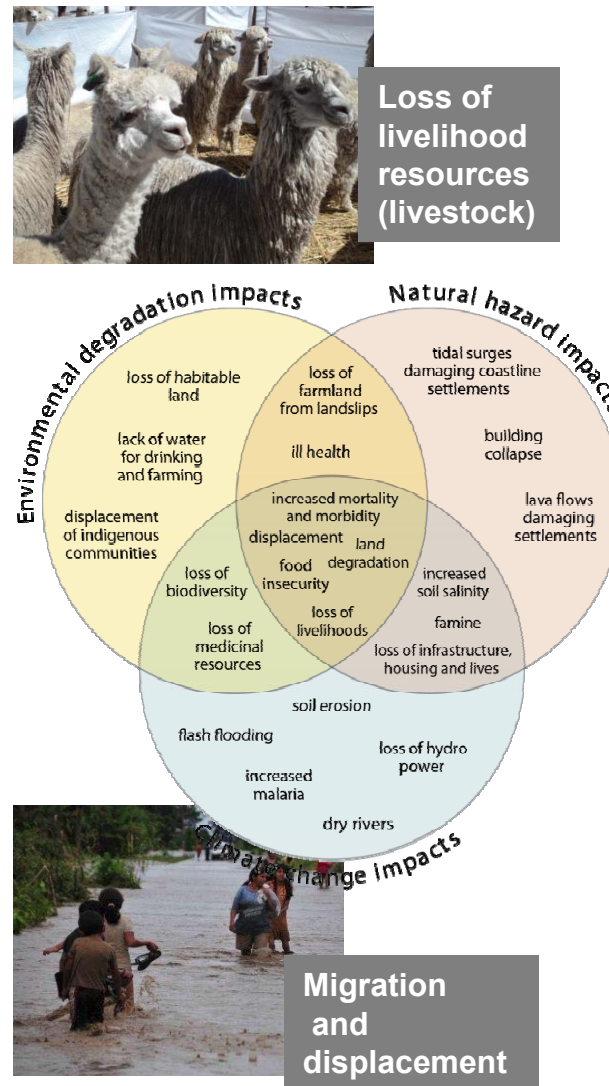


# DRR as a core approach in CCA

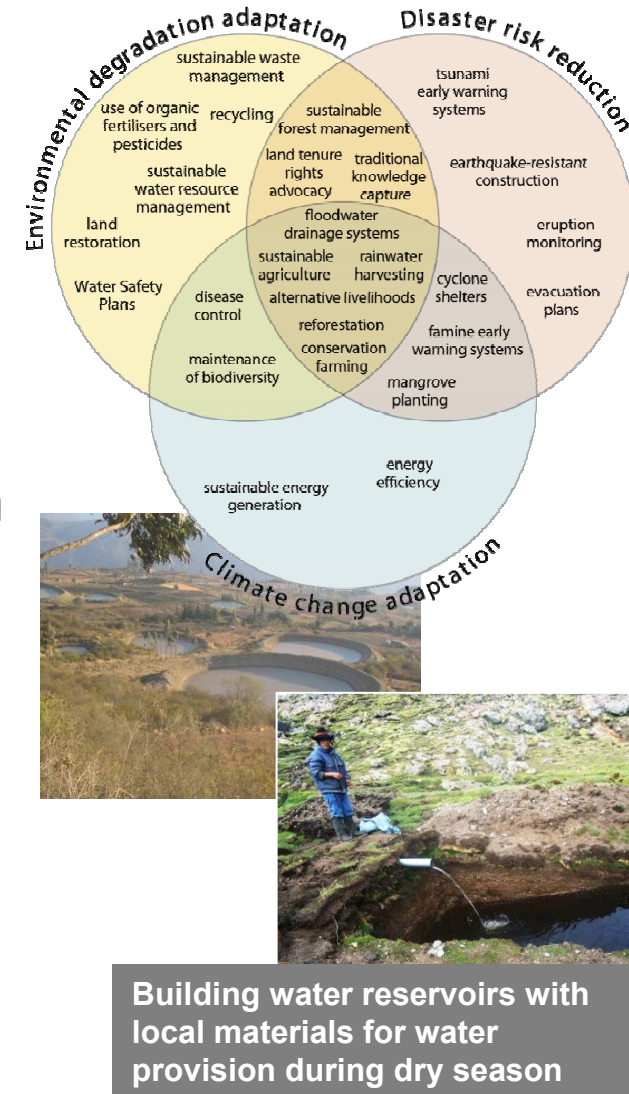
## Envir&Geoph hazards



## Hazards impacts



## Intervention strategies





# Residual risks

## Developing countries bigger than in industrialized countries

- Emphasis in prevention and preparedness



Diversification within household's gardens

- Living with risk



Glacier retreat and lake formation: potential occurrence of GLOFs

- No absolute safety (\$)

Potential loss of livelihood resources due to risks and vulnerability conditions



- Risk tolerance (insurance)

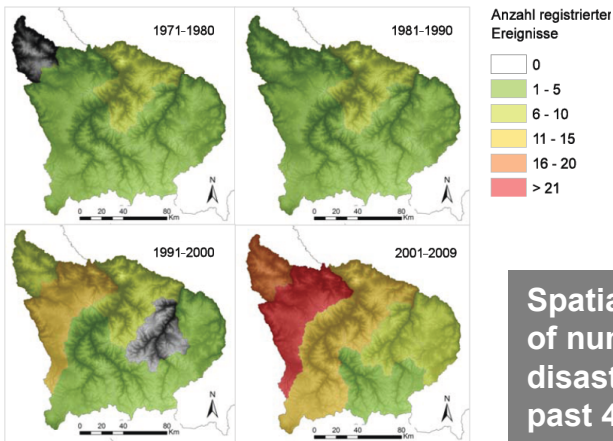
Risk Mitigation Fund in low-income producers





# Thematic axes related to DRR within SDC

- Knowing hazards and risk (risk analysis)



Spatial development of number of disasters over the past 40 years

- Prediction and early warning system (access to all)



Installing meteorological stations in the watersheds of intervention

- Awareness raising (risk governance)

Participative process for getting to know local vulnerabilities



- Planning and investment (IRM, CBA)

Preparing the community plan integrating climate risks



■ Protection works (overload)



Higher protection, reduce losses and increase aquifer recharge

■ Preparedness (N-to local, cont. planning, training, Equiped)



Drilling on Suyuparina Glacier (Cusco) in the ablation area, equipments to be placed for subsequently monitored

■ Coordination mechanism (NW, advocacy, sectors, donors )



Experiences being shared during COP16 in Cancun – Peru & Mountain Partnership Side Event

participatory and concerted budgeting





# Capacity development

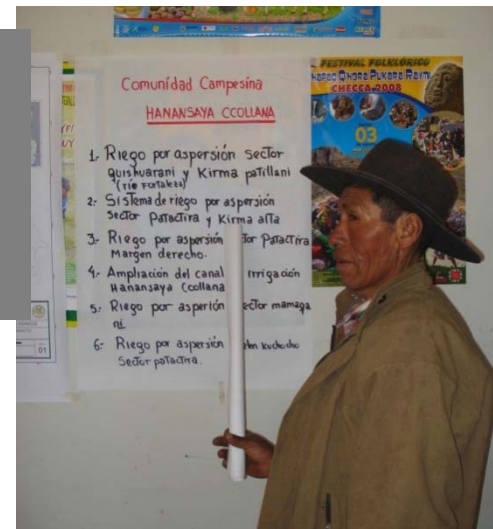
## ■ Individual learning



Biodigesters an appropriate technology - friendly with the environment

## ■ Institutional strengthening

Institutional strengthening (mainstreaming CCA into community development plans)



## ■ System development, enabling environment and NW

## ■ Legal building, normativity, guides



Cusco's Climate Change Regional Strategy. Tools

## ■ Organizational development

Planning the community's area. Local KM





# People centered DRR

## Community based DRM

- Recovery of traditional knowledge



Rugged landscape –  
Traditional  
knowledge used to  
manage natural  
resources and risks



- Dialog local-scientific knowledge

Validating  
research  
results on  
vulnerability  
to CC with  
local  
stakeholders



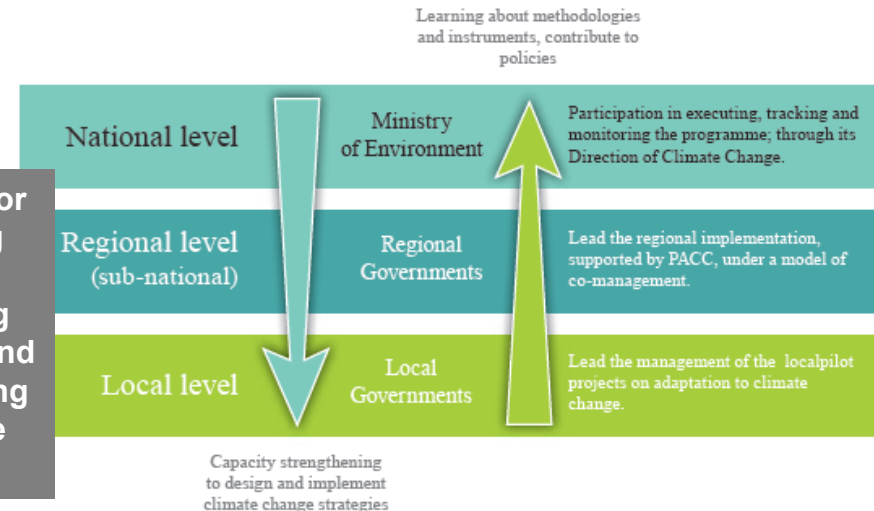
- Case studies, scaling up of good experiences

- CC grounding ultimately



Local  
technologi  
cal leaders  
apply their  
local  
knowledge  
for DRR

Strategies for  
facilitating  
and  
articulating  
processes and  
for promoting  
knowledge  
exchange

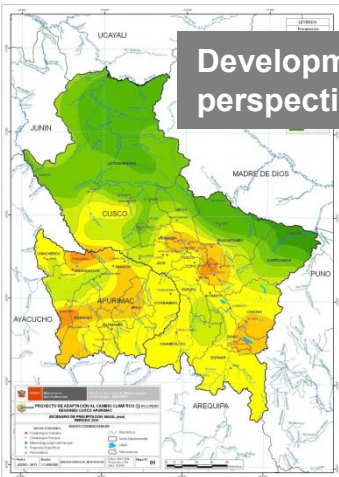




# DRR results in relation to poverty

- Efficient poverty alleviating is linked with Adaptation horizon

- Proofed performance and low cost technologies



Development planning considering future perspective (time horizon: 2030)



Increase incomes by improving productive yields

Building shelters for food storage. Improved cook stoves



- Tackle to struggle for daily survival

- P+P for frequent/annual disasters and rare events



Watering tree seedlings during dry season

Building the community water reservoir to prevent water shortage due to intensification of dry season





# Challenges and gaps in Risk management implementation

## Challenges

- Set up the issue and results of DRR&CCA on the agenda of press-media, politicians and decision makers
- Operationalize the integration of DRR&ACC in different subnational and territorial levels, included the sectors. The existing structural vulnerability is a constraint for this
- DRR&CCA as a development issue and part of the culture of prevention at the national policy. Both approaches are perfectly compatible for effective sustainable development. The challenge is how?
- Governance of DRR&ACC involves implementing and participatory consultation processes with people and also assign funds
- Link DRR&CCA as part of development planning in terms of local investment in sectors (water, education, etc.). Not only as an environmental issue and led by this sector



# Challenges and gaps in Risk management implementation

## Gaps

- Need to coordinate the agendas of DRR & ACC. Technical capacities in DRR&CCA
- Sharing knowledge and experiences as well as joint activities of DRR and CC that are compatibles with sustainable development actions
- Still not recognized/ understood the relationship between the ACC and development. CCA is not considered a priority
- Mentality of policy makers around DRR&CCA and its link with development
- Financial resources for prevention



**Thank you very much for your attention**