



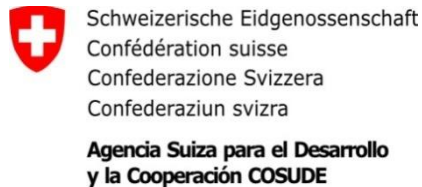
FORO INTERNACIONAL GLACIARES

Challenges of research at society's service
in the framework of climate change

July, 1-4, 2013 – Huaraz, Ancash, Peru

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Organized by



1. Introduction
2. Objectives of the Forum
3. Public
4. Program
5. Place



FORO INTERNACIONAL GLACIARES

Retos de la investigación al servicio de la
sociedad en el marco del cambio climático.

INTRODUCTION

Glaciers: the challenge of research in the service of society in context of climate change, provides an unique platform for the exchange of experiences and practices between scientific communities in the area of glaciology, climatology and hydrology, which take place in mountain ranges worldwide and facilitates the development of joint research agendas towards the establishment and enforcement of strategies for climate change adaptation and risk management in mountains ecosystems.



MAIN OBJECTIVE

Get to know the experiences, practices and national and international researches about glaciers, creating opportunities for cooperation and development in the field of the Andes and other mountains areas in the world, from a technical, scientific, cultural and management perspective, in the context of climate change.

SPECIFIC OBJECTIVES

- Provide space for **the exchange of information, experiences and knowledge management** about researches related to glaciers and their environment.
- Contribute to the **coordination of research** between local, national and international institutions, and to the development of joint research programs related to glaciers and their environment, that contribute to national development in climate change adaptation, water management and risk prevention.



SPECIFIC OBJECTIVES

- Propose **guidelines for the design and implementation of public policies** for the strengthening of the institutional framework of glaciology at national and regional levels. Consolidating Peru as a country articulator for research and management of glaciers and their environment.
- Discuss and reflect about appropriate **actions to increase public and private investment in research on glaciers and mountains**, to tackle climate change, increased disaster risk and pressure on water resources.
- Share with the general public information about the **importance of glaciers**, the effects caused by climate change, increasing disaster risks, effects on water resources and within strategic sectors of economic development.



PRINCIPAL THEMES

The forum focuses on the following themes:

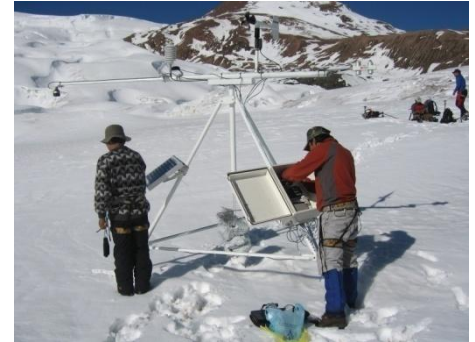
1. Strategy gaps in the methodology for glacier and ecosystem monitoring

- Climatology
- Glaciology

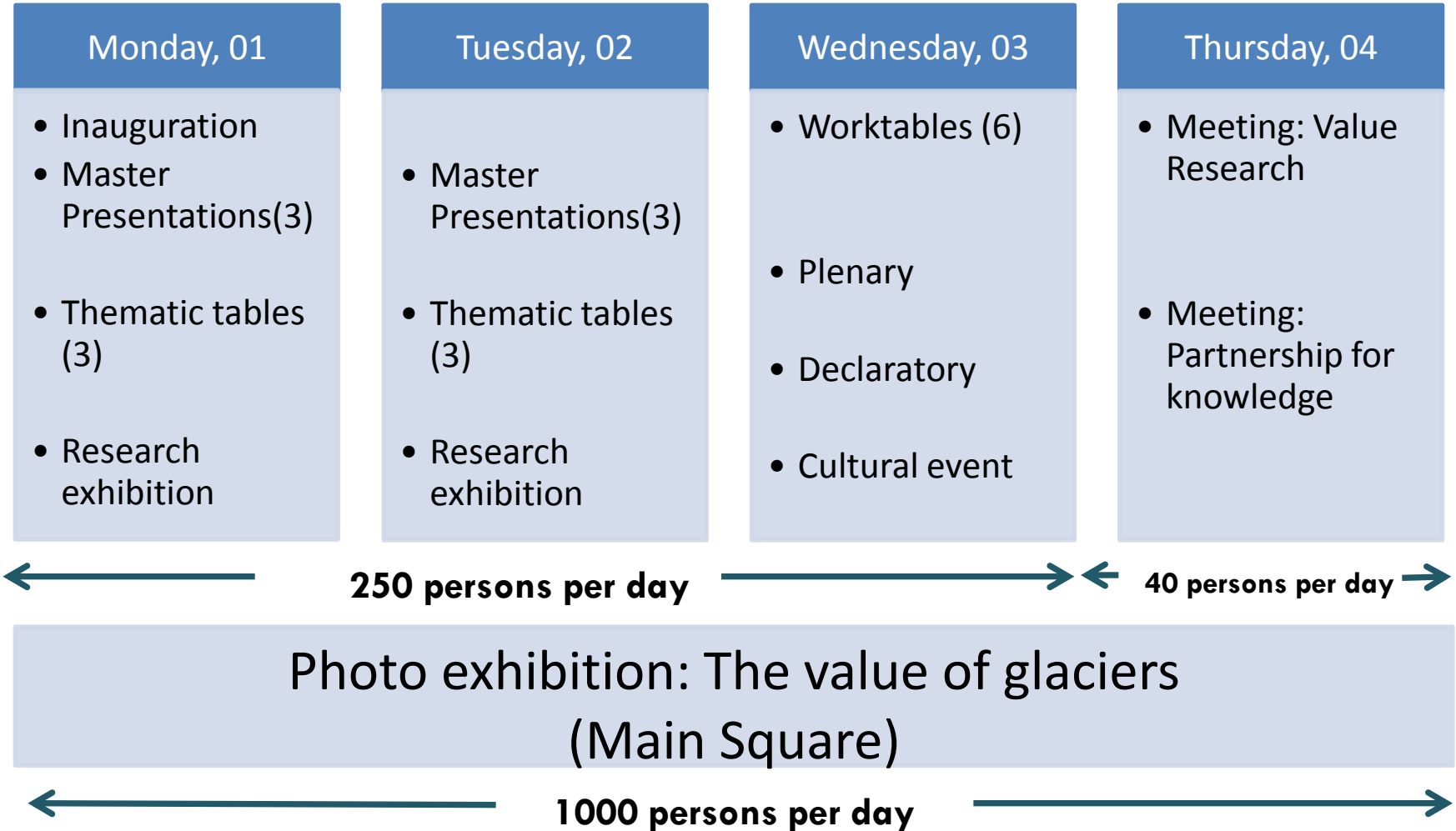
2. Climate change impacts and methods of action

- Glacier Hydrology and Water Resources Management
- Glacial hazards
- Social and cultural aspects
- Economic and political aspects

3. Institutional agreements to integrate science to public and private action



AGENDA: Monday 1st to Thursday 4th. July 2013



PUBLIC

- Expected attendance of 250 people per day, the first 3 days of the event.
- Expected attendance of 40 people for the last day, closed event.
- As part of the event will be held the photo exhibition: “The value of glaciers”, in the main square of Huaraz.

Expected attendance per day: 1000 people, for the 4 days of the event.

Type of event	Expected attendance
Conferences and tables	750 persons
Closed event	40 persons
Photo exhibition	4 000 persons
Total	4 790 persons

MODES OF PARTICIPATION



Master Presentations

01 and 02/07/13

- Recognized researches of exceptional value.
- Realized during the first two days of the Forum (three presentations on Monday 1st and three presentations on Tuesday 2nd of July).
- The participation as main exhibitor is by invitation only through the Organization Committee and they are selected by the persons of thematic responsibilities
- There is a total of 06 presentations – 01 for every subject:
 - *Climatology*
 - *Glaciology*
 - *Glacier Hydrology and Water Resources Management*
 - *Glacial hazards*
 - *Social and cultural aspects of glaciated areas and their surroundings*
 - *Economic and political aspects of glaciated areas and their surroundings*

MODES OF PARTICIPATION



Thematic tables

01 and 02/07/13

- Exchange of experiences acquired during the execution of research in areas of the main subject of the Forum
- Realized during the first two days of the Forum (three presentations on Monday 1st and three presentations on Tuesday 2nd of July).
- There is a total of 30 presentations – 05 for every subject.
- **CRITERIA OF PRESENTATION:**
 - Matches with (one of) the principal subjects of the event
 - Specifies clearly context, principal objects and conclusions of work
- **CRITERIA OF INSCRIPTION:**
 - The abstract should contain: title of work, name of authors and curriculum vitae
 - Attach motivation letter with references to research and/or published articles which fit into the selected subject
 - Both documents should contain at most 500 characters each
 - Delivery submission deadline: **Sunday, March 31, 2013** at: foroglaciares@care.org.pe

MODES OF PARTICIPATION



Research exhibition

01 and 02/07/13

- Exchange of experiences and actual research
- Total: 30 posters (in the outer zone of the conference rooms)
- **CRITERIA OF PRESENTATION:**
 - Investigation matches with (one of) the principal subjects of the event
 - Specifies clearly context, principal objects and conclusions of work
 - Shows in the header title and all involved authors and institutions
 - Indicates the actual stadium of the project
 - Delivery as scientific poster: at A0 size, vertical in compact form
 - Figures of high quality and resolution (at least: 300 dpi)
- **CRITERIA OF INSCRIPTION:**
 - Abstract of research describing all involved institutions and authors and attaching their CVs; indicate title of research
 - At most 300 words
 - Delivery submission deadline: **Sunday, March 31, 2013** at: foroglaciares@care.org.pe

MODES OF PARTICIPATION



Worktables

03/07/2013

1. Gaps in research and the future of research at developments' service

- Processes of diffusion of generated information, strategies and following steps to strengthen the exchange
- Propose mechanisms for articulation between research and public policy agendas in coordination with local authorities and population
- Role of the university to provide information

2. Institutional agreements to fit research in glaciology to public service

- Mechanisms to leverage public and private funds for research (cost/benefit) for economic development
- Formulation of public politics and decision making
- Education and reinforcement of capacities

3. Cooperation in the Andes

- Creation of a Regional Center of Glaciers (RCG) in Peru – discussion about the proposal
- Evaluation of the need of directives and a legal framework for management, protection and sustainable use of glaciers
- Promotion of research networks in glaciology and high mountain sciences
- Economic impact and relevance of public and private investment in measurement mechanisms and monitoring

MODES OF PARTICIPATION

Meeting: Value of research

04/07/13

- **CLOSED EVENT:** Academic institutions with authorities and employees
- Research investment for formulation and implementation of public and private projects

Meeting: Alliances for knowledge

04/07/13

- **CLOSED EVENT:** Academic and scientific institutions
- Definition of cooperation opportunities around projects of public interest

MODES OF PARTICIPATION

Exhibition: The value of glaciers

- Glaciology history:
 - 1930-1950
 - 1950-1970
 - 1970-1990
 - 1990-2012
- Infographics
 - Glaciers and hydrological cycle
 - Safety of lakes
 - PA of mountains: PNH, SHMP, RNSAB
 - Glacial hazards
- Impacts of climate change in tropical glaciers



Main square of Huaraz

01-05/07/13

THEMATIC RESPONSIBILITIES

- **Climatology**

MATHIAS VUILLE (U ALBANY) AND KEN TAKAHASHI (IGP)

- **Glaciology**

BERNARD FRANCOU (IRD) AND JESÚS GÓMEZ (PNH)

- **Glacier Hydrology and Water Resources Management**

THOMAS CONDOM (IRD), WILSON SUÁREZ (SENAMHI) AND
FERNANDO CHIOCK (ANA)

- **Glacial hazards**

CHRISTIAN HUGGEL (U ZURICH), ALEJO COCHACHIN (UGRH) AND
DAENE MCKINNEY (U TEXAS)

- **Social and cultural aspects of glaciated areas and their surroundings**

JORGE RECHARTE (IM), MARÍA TERESA ORÉ (PUCP), MARK CAREY (U OREGON) AND
ANIL MISHRA (UNESCO)

- **Economic and political aspects of glaciated areas and their surroundings**

MIGUEL SARAIVA (CONDESAN) AND SILVANA VARGAS (MIDIS)

PLACE: Huaraz, Ancash, Peru



Cultural Center Ancash. Main square.





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01.– 04.07.2013

Huaraz, Ancash, Peru

**National Water Authority
ANA**