



## **2024 ANDEX ANNUAL MEETING**

### **General aims**

The Meeting 2024 of the Regional Hydroclimatic Programme for the Andes -ANDEX- will take place in Lima, Peru, between May 26 and 29 and will bring together the members of the Scientific Committee, as well as project leaders and collaborators.

Its general aims include addressing progress on ANDEX's Scientific and Implementation Plan to 2033 and deepening the process of consolidating its scientific-academic network and linking with strategic stakeholders.

### **Venue**

Unless otherwise indicated in the details of this program, all ANDEX Annual Meeting activities will take place at the Universidad Peruana Cayetano Heredia (UPCH), venue [Armendariz 497, Miraflores](#), Lima. (Note: upon arrival, please announce yourself at the main entrance, where you will be informed of the assigned room).

### **WCRP JSC-45**

We remind you that the 45th Meeting of the Joint Scientific Committee of the World Climate Research Programme -WCRP- will be held from May 27 to 31 at the same UPCH Miraflores venue. Given this opportunity, ANDEX and WCRP will share several of the proposed activities.

### **Complementary Activities**

For the first time since the creation of ANDEX, complementary training activities will be held in addition to the Annual Meeting. Between May 30 and June 1, simultaneous workshops on Interdiscipline and Transdiscipline, Atmospheric Physics in Mountain Areas and Glaciology will be held in Cusco, Huancayo and Huaraz, respectively. Registration for these activities is closed.

### **Information**

[contacto@andex-rhp.org](mailto:contacto@andex-rhp.org)



## LIMA 2024 PROGRAM

### SUNDAY, MAY 26

- 15:00** ANDEX Scientific Committee Meeting / [Venue IRD](#)
- 17:30** Reception cocktail / [Venue IRD](#)

### MONDAY, MAY 27

- 08:00** Welcome and Opening
- 09:00** ANDEX Progress 2023-2024
- 10:00** Opening Scientific Poster Session JovenANDEX / Patio UPCH
- 12:00** Lunch
- 14:00-16:00** Lectures
- 14.00 *Global Precipitation EXperiment (GPEx).*  
**Dr Christopher Lennard**
- 14.15 *A database of daily precipitation series since the 1960s for South America*  
**PhD student Adrián Huerta**
- 14.30 *Atmospheric modeling for the Andes: progress of a literature review article*  
**Dr Clementine Junquas and Dr Alejandro Martínez**
- 14.45 *Regional climate modeling in the subtropical Andes: Future projections, uncertainties and biases*  
**Dr Katerina Goubanova**
- 15.00 *Combined occurrence of dry and warm extremes and their impacts on fire in tropical South America*  
**Dr Paola Arias**



- 15.15 *The Andean Observatory*  
**Dr Lucas Ruiz**
  
- 15.30 *The ALTIPLANO International Joint Laboratory*  
**Dr Jorge Molina**
  
- 15.45 *Scientific Knowledge Observatory (ANDEX-IPCC)*  
**Dr Ken Takahashi**

**16:00 Coffee break**

**16:30-18:00 Lectures**

- 16.30 *Glaciological and ecohydrological monitoring in the Peruvian Andes*  
**Director of Mountain Ecosystems, Dr Francisco Medina, and Director of Glacier Research, Dr Paola Moschella (INAIGEM)**
  
- 16.45 *Climate and Health*  
**Climate Center Director, Andrés Lescano (UPCH)**
  
- 17.00 *Antioquia's Alert and Monitoring System (SAMA) in Colombia*  
**Dr Alejandro Martínez**
  
- 17.15 *Research at the IGP and the LAMAR Laboratory*  
**Dr Yamina Silva and Dr Ken Takahashi**
  
- 17.30 *Hydroclimatic research and monitoring at SENAMHI-Peru*  
**Dr Waldo Lavado**
  
- 17.45 *Rainfall and landslides in Colombia*  
**Dr Janet Barco**

**18:00 Scientific Poster Session JovenANDEX / Patio UPCH**

**18:30 Close of day**

**19.00-21.00 Conference 'Climate Change in the Andes 2024. Latest IPCC Report + Roundtable on Climate Change and Gender'.**  
 Within the framework of the ANDEX Annual Meeting. Co-organized with the IRD Peru, the Alliance Française, and the Embassy of the French Republic. / **Alianza Francesa Lima**

## **TUESDAY, MAY 28**

### **08:00-10:00 Interdisciplinarity and transdisciplinarity in ANDEX**

- 08:00 Session objectives
- 08:05 *Institutional view of inter- and trans-disciplinary science*  
**Dr Anna Stewart / Dr Camila Álvarez**
- 08:35 Interdisciplinarity (ID) and transdisciplinarity (TD)
- 09:30 ID and TD projection in ANDEX

### **10.00 Coffee break**

### **10.30-12.00 ANDEX as an ID and TD research network**

- 10:30 Session objectives
- 10:35 ANDEX stakeholders map
- 11:45 ANDEX projection as a network

### **12:00 Lunch**

### **14:00-16:00 Connecting science and policy makers. An ANDEX initiative in coordination with RfS**

- 14:00 ANDEX Vision: Challenges for decision-making
- 14:10 *RfS and ANDEX links*  
**Dr Silvina Solman**
- 14:20 *Introduction of the O4C and ANDEX-IPCC Project*  
**Dr Ken Takahashi and Dr Paola Arias**
- 14:30 Summary of the JovenANDEX hackathon
- 14:50 Discussion: Experiences and Strategies

### **16:00 Coffee break**

### **16:30-18.00 M&E of the ANDEX Scientific and Implementation Plan**



**18:00** Scientific Poster Session JovenANDEX / Patio UPCH

**18:30** Close of day

## WEDNESDAY, MAY 29

**08:30-12:00** Open Science Day / Auditorium UPCH

08:30 Welcome and Opening (UPCH)

09:00 *The World Climate Research Program (WCRP) and opportunities for climate science in the Andean region*  
**D. Stammer, JSC Chair**

09:20 *The Global Energy and Water Exchanges Project (GEWEX) and the WCRP Global Precipitation Experiment (GPEX)*  
**Jan Polcher (CNRS – GEWEX Co-chair)**

09:35 *WCRP-Academy*  
**Christopher Lennard (Co-chair WCRP-Academy)**

09:50 *The WCRP Regional Climate Information for Society (RIfS) Project*  
**Silvina Solman (Co-chair of RIfS)**

10:05 *The Regional Hydroclimatic Program for the Andes (ANDEX)*  
**Jhan-Carlo Espinoza (IRD – Co-chair of ANDEX)**

10:20 *A network of young researchers and professionals for the Andes – JovenANDEX*

**10.35** JovenANDEX Poster Award Ceremony and visit to Poster Session

**11:10-13:00** Continuation Open Science Day / Auditorium UPCH

11:10 IPCC-ANDEX  
**Ken Takahashi (IGP)**

11:25 *Challenges in climate modeling for the Andes*  
**Alejandro Martinez (Universidad de Antioquia, Colombia) and Clementine Junquas (IRD)**



- 11:40 ANDEX's challenges for the coming years  
Paola Arias (Universidad de Antioquia, Colombia)
- 11:55 *Climate and health*  
Stella Hartinger (UPCH)
- 12:10 *NUREX Project*  
Grinia Avalos and Teresa García (SENAMHI)
- 12:25 *Closure Open Science Day*  
Berioska Quispe, General Director of Climate Change and Desertification  
of the Ministry of Environment, Peru
- 13.00 **End of activities in Lima**

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## **Acknowledgements**

ANDEX is especially grateful to the Cayetano Heredia University (UPCH) for hosting the annual meeting of the program, as well as to the Peruvian representation of the Institut de Recherche pour le Développement (IRD, France), the Instituto Geofísico del Perú (IGP) and the Instituto Nacional de Investigación en Glaciares y Ecosistemas de Montaña de Perú (INAIGEM) for the local organization of the activities.

The event is sponsored by the IRD, the Global Energy and Water Exchanges Program (GEWEX), the Inter-American Institute for Global Change Research (IAI) and the Regional Cooperation Delegation for South America of the French Ministry of Foreign Affairs.