AGENDA

Socio-economic benefits of weather, climate and water services

There is growing awareness of how everyday life and the sustainable development of society are affected by the weather, by climate and water resources. For example, the adverse weather and climate events continue to increase globally in frequency and intensity, with significant human and economic losses (IPCC, 2012). In Peru, the impacts created by cold spells in the health sector and the losses due to extreme hydrometeorological events in the agricultural sector could have a total cost for the country of 982 million USD per year, this is approximately 0.5% of Peru's GDP (World Bank, 2014).

The strengthening of global, regional and national climate services within the WMO-led Global Framework for Climate Services (GFCS) is fundamental to respond to the impacts from climate variability and change. Its socio-economic benefits are important and, in Peru alone, an investment in this area would contribute to reduce the country's vulnerability in key development sectors like agriculture, disaster risk management, health, water management, tourism, infrastructure, public services and transport.

This event will highlight the current knowledge and case studies on the socio-economic benefits of climate services in Peru and identify key opportunities for further enhancing climate services in the future.

- 16:00 **hrs. Welcome address to participants**

  Chair: Amelia Diaz, Executive President. National Meteorological and Hydrological Service of Peru – SENAMHI

- **The status of the global climate in 2014 and the Global Framework for Climate Services: why investing in hydrometeorological services matters**

  Dr. Michel Jarraud , General Secretary, World Meteorological Organization

- **Economic value of meteorological, hydrological and climate services**

  Dr. Christian Grossmann, Climate Change Director , World Bank Group

- **Modernization Program of the Meteorological Services in Peru**

  Gabriel Quijandria, Vice Minister of Strategic Development of Natural Resources, Ministry of Environment of Peru

- **Study on the valuation of socio-economic benefits of climate services applied to coffee and maize in the Cusco region**

  Professor Dr. Lucas Bretschger, President, Center of Economic Research ETH Zurich, Swiss Federal Institute of Technology in Zurich ETHZ

- **Study on the valuation of socio-economic benefits of hydrometeorological and climate services for potato and quinoa crops in the Puno region**

  Dr. Daniel Pabón Caicedo – International Director, International Research Center on El Niño - CIIFEN

- 17:30 **hrs. Conclusions and closure**

  Amelia Diaz, Executive President. National Meteorological and Hydrological Service of Peru – SENAMHI