



## SESSION DESCRIPTION

# D2 Reality Check: Adaptation on the ground in Santiago, Chile

## Reality Check Workshop

**Date:** Friday, May 30, 2014

**Time:** 11:00-13:00

**Rooms:** S34-35

**Language:** English

**ICLEI contact:** Franziska Schreiber/ Laura Kavanaugh

### OBJECTIVE

The aim of this workshop is to explore and discuss the barriers and opportunities of the science-policy dialogue and the policy-implementation interface with relation to climate change adaptation at the city level. Much of the relevant scientific data and information have been generated through the local Climate Adaptation Santiago (CAS) project and the Adaptation Plan for the Maipo Basin (MAPA) project. Due to this information there is increasing knowledge about the likelihood of future scenarios in the Maipo Basin, particularly with regards to hydrological stress, extreme events, and heat island issues. The priorities now lie in developing communication and implementation processes that ensure science-based policy development and practice.

By sharing the experiences with Peer City representatives the intention is to guide the policy and practice of the new national government (started March 2014) and local level protagonists. The aim is also to stimulate mutual learning, show how to overcome the traditional 'researcher-practitioner-divide', and how to facilitate fruitful cooperation between scientists, practitioners and policymakers to develop an evidence-based adaptation plan.

### OUTCOMES

The aim of the workshop is to present an experience that helps contextualize the challenges and opportunities for establishing science-policy collaboration for climate change adaptation action.

1. Participants will learn about the climate change threats of the growing city of Santiago de Chile, which is located at the foot of the Andes Mountains in a semi-arid region, and discuss technological/management adaptation options to reduce the impacts associated with these threats.
2. Participants will learn about the water-related institutions at the City and Basin level in Chile
3. Participants will learn about the challenges to overcome the traditional 'researcher-practitioner-divide' and to coordinate fruitful dialogues between policy makers and scientists for effective climate change adaptation action.
4. Gain a better understanding of the benefits of scientists-policy maker collaborations and some strategies that can help coordinate such understanding.
5. During the breakout groups, they will have the chance to learn about concepts of governance,



management, technology and planning and discuss each of the topics with representatives of the stakeholder organizations that participated in the cases presented.

## METHODOLOGY

Facilitator: *Cristóbal Reveco, Director, Adapt-Chile, Santiago, Chile*

11:00-11:05 **Welcome and Introduction**

11:05-11:25 **From climate threats to climate action in the city of Santiago de Chile and the Maipo Basin: the science perspective**

Climate change impacts in the Maipo Basin and the city of Santiago:

*Sebastián Vicuña, Director Project MAPA; Executive Director, Centre for Global Change, Universidad Católica de Chile, Santiago, Chile*

Climate Change Adaptation in the Maipo Basin and the city of Santiago

*Jonathan Barton, Director, Centre for Sustainable Urban Development (CEDEUS); Co-researcher, CAS Project, Santiago, Chile*

11:25-11:55 **Challenges and needs for climate change adaptation in the city of Santiago and the Maipo Basin: the practitioners' perspective**

*Jaime Escudero, President, Regional Council Government, Santiago, Chile*

*Marta Sepulveda, Engineer Concessions Division, Superintendencia de Servicios Sanitarios, Santiago, Chile*

*Francisco Montiel Bianchi, Engineer Operations Division, Aguas Andinas, Santiago, Chile*

11:55-12:40 **Break out discussion groups:** Workshop participants will split up into three groups (each led by one of the three city practitioners) and answer each of the following questions. It is expected that 15 minutes are allocated per question which should be answered to inform future decision-making with relevance to the Santiago case:

1. Which examples and best practice in terms of good governance of climate change adaptation at the city level can be identified?
2. Which are the technological and/or management options for climate change water supply adaptation?



3. How best to communicate climate impacts, risks and vulnerabilities while engaging all stakeholders in the process?

12:40-12:55 Each Chilean representative will wrap up and present the final comments and 1-2 of the ideas that have been discussed in the discussion groups and which could potentially be implemented in Santiago de Chile in the near future

12:55-13:00 Closing remarks and summary of the Reality Check Workshop

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**Further recommended reading**

Vicuña, Sebastian, Eduardo Bustos, Sebastian Bonelli, and Tomas Uson. "Beyond city limits: Using a basin perspective to assess urban adaptation to climate change." (2014)

[http://resilient-cities.iclei.org/fileadmin/sites/resilient-cities/files/docs/Vicuna\\_et\\_al\\_Santiago\\_de\\_Chile.pdf](http://resilient-cities.iclei.org/fileadmin/sites/resilient-cities/files/docs/Vicuna_et_al_Santiago_de_Chile.pdf)

Vicuna, S and Meza, F, 2012. Los nuevos desafíos para la gestión de los recursos hídricos en Chile en el marco del Cambio Global:

[http://politicaspUBLICAS.uc.cl/publicaciones/ver\\_publicacion/112](http://politicaspUBLICAS.uc.cl/publicaciones/ver_publicacion/112)

Vicuna, S. et al. Beyond city limits: Using a basin perspective to assess urban adaptation to climate change.

Paper presented at ICLEI 2014 in session Urbanizing watersheds: addressing water stress in developing country cities through a basin-level approach

Kiparsky, Michael, Anita Milman, and Sebastian Vicuña. Climate and water: knowledge of impacts to action on adaptation. Annual Review of Environment and Resources 37.1 (2012): 163:

<http://www.annualreviews.org/doi/abs/10.1146/annurev-environ-050311-093931>

Adapt-Chile, 2013: Integración del cambio climático en la gestión municipal:

<http://www.adapt-chile.org/wp-content/uploads/REPORTE-26NOV-2.pdf>

Adapt-Chile 2013: Diálogos de Ciencia y política para la acción climatic a nivel municipal: [http://www.adapt-chile.org/wp-content/uploads/24\\_a.pdf](http://www.adapt-chile.org/wp-content/uploads/24_a.pdf)

Web page CAS Project:

<http://www.ufz.de/climate-adaptation-santiago/>

Web page MAPA Project:

[www.maipoadaptacion.cl](http://www.maipoadaptacion.cl)

<http://cambioglobal.uc.cl/index.php/en/proyectos/idrc.html>