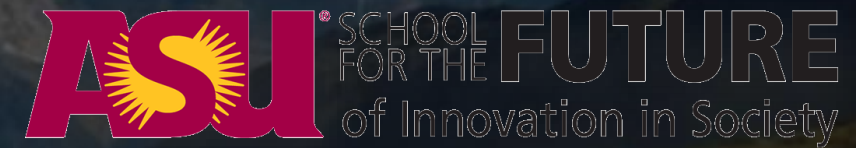


Citizen science landscapes and participative knowledge spaces in Latin America: the case of Chile



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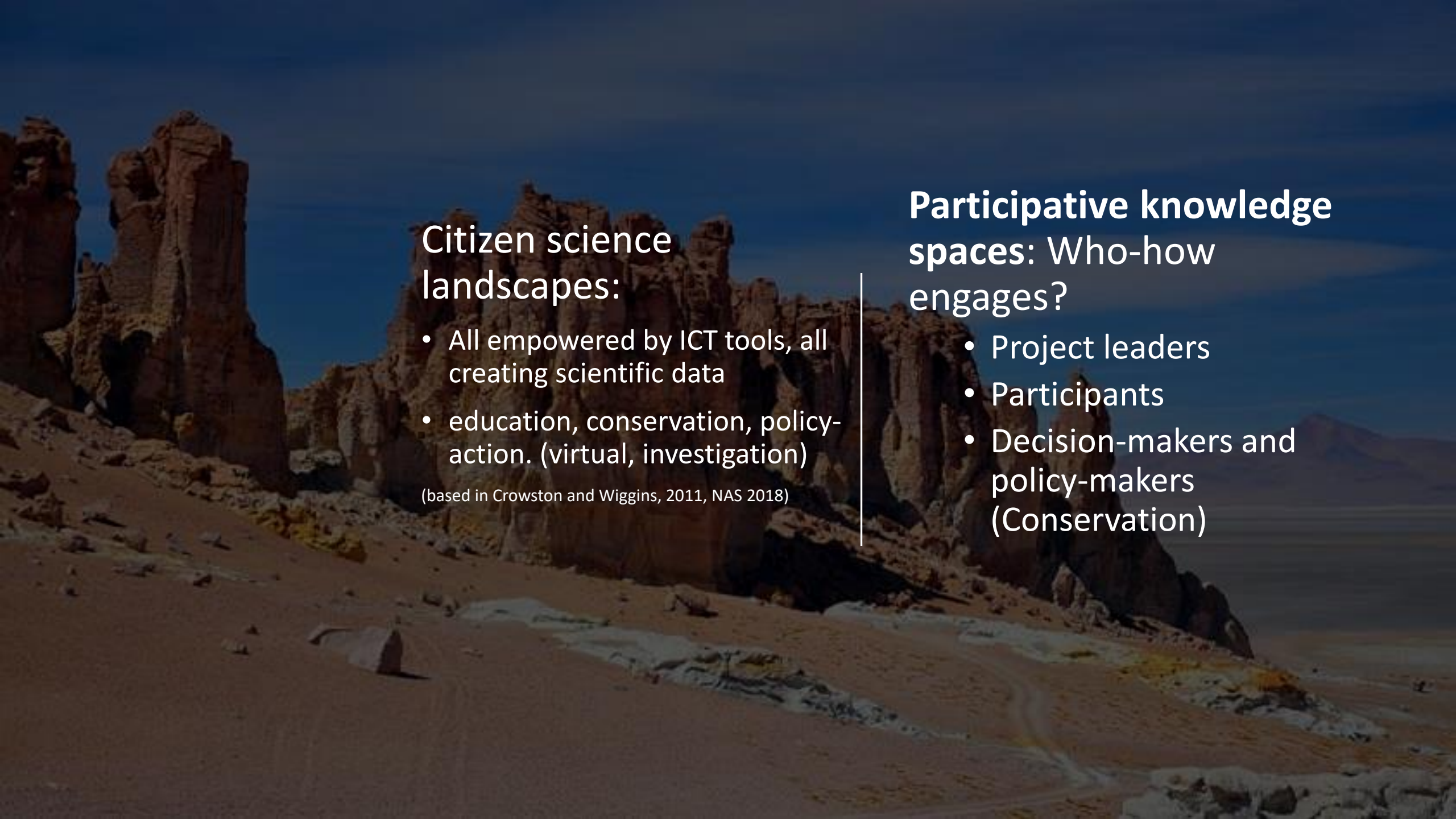
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- *Situatedness of the knowledge production characterize its practices, meanings, communities, and outcomes.*
 - *Cultural, National, Geographical networks/organizations*
- *Fundacion Ciencia Ciudadana is an organization created in 2015 by Sebastian Escobar and Dinka Acevedo. (research from within, standpoint)*
 - *Several others strategies and attempts to connect national CitSci Communities (see CEAZA 2015)*
 - *Regional and national events.*



Citizen science landscapes:

- All empowered by ICT tools, all creating scientific data
- education, conservation, policy-action. (virtual, investigation)

(based in Crowston and Wiggins, 2011, NAS 2018)

Participative knowledge spaces: Who-how engages?

- Project leaders
- Participants
- Decision-makers and policy-makers (Conservation)

Question/objectives

- **Citizen Science situatedness is fundamental to complement current assumptions about what it is and who we are.**
- **How is the citizen science ecosystem in Chile?**
- *Our objective is to find commonalities, differences and contrasts among national communities of citizen science*

Methodology

- *Products from 3 national workshops. (2017)*
 - *Summarize of results from them as 10 principles of citizen science.*
- *Survey (23 respondents/projects, October 2018)*
 - Digitally deliberated, 25 questions (categorical, numerical and open-ended, Based on Wiggins and Crowston, 2015; Pettibone et al, 2017)

Biodiversity -

*Salvemos Nuestro Abejorro**

Armadillos de Chile

*Red de varamientos de aves marinas REVAM**

eBird Chile

*Chinita arlequín**

Hormigas de Chile

Monitoreo de Aves del humedal Limarí

*Fauna impactada en las carreteras y caminos de Chile**

Atlas de las aves nidificantes de Chile

*MICRA**

*Murciélagos de Chile: un proyecto de ciencia ciudadana**

*Museo Bioacústico**

Conservation -

Vigilantes del Lago

Gestión de los recursos hídricos en el sector agrario"

*Ocean Eyes**

*Vino Cambio Climático y Biodiversidad**

Monitoreo Comunitario del Agua

AGUAS DE BARRIO.

*Científicos de la Basura**

Programa de Ciencia Ciudadana para Zonas Áridas

Sistema Integrado de Monitoreo de Ecosistemas Forestales - SIMEF

Others -

La Reconquista Peatonal

Propuesta de Ley de Arbolado Urbano

Guía para conocer la

Ciencia Ciudadana

CIENCIA CIUDADANA

**PRINCIPIOS
HERRAMIENTAS
PROYECTOS
DE MEDIO AMBIENTE**

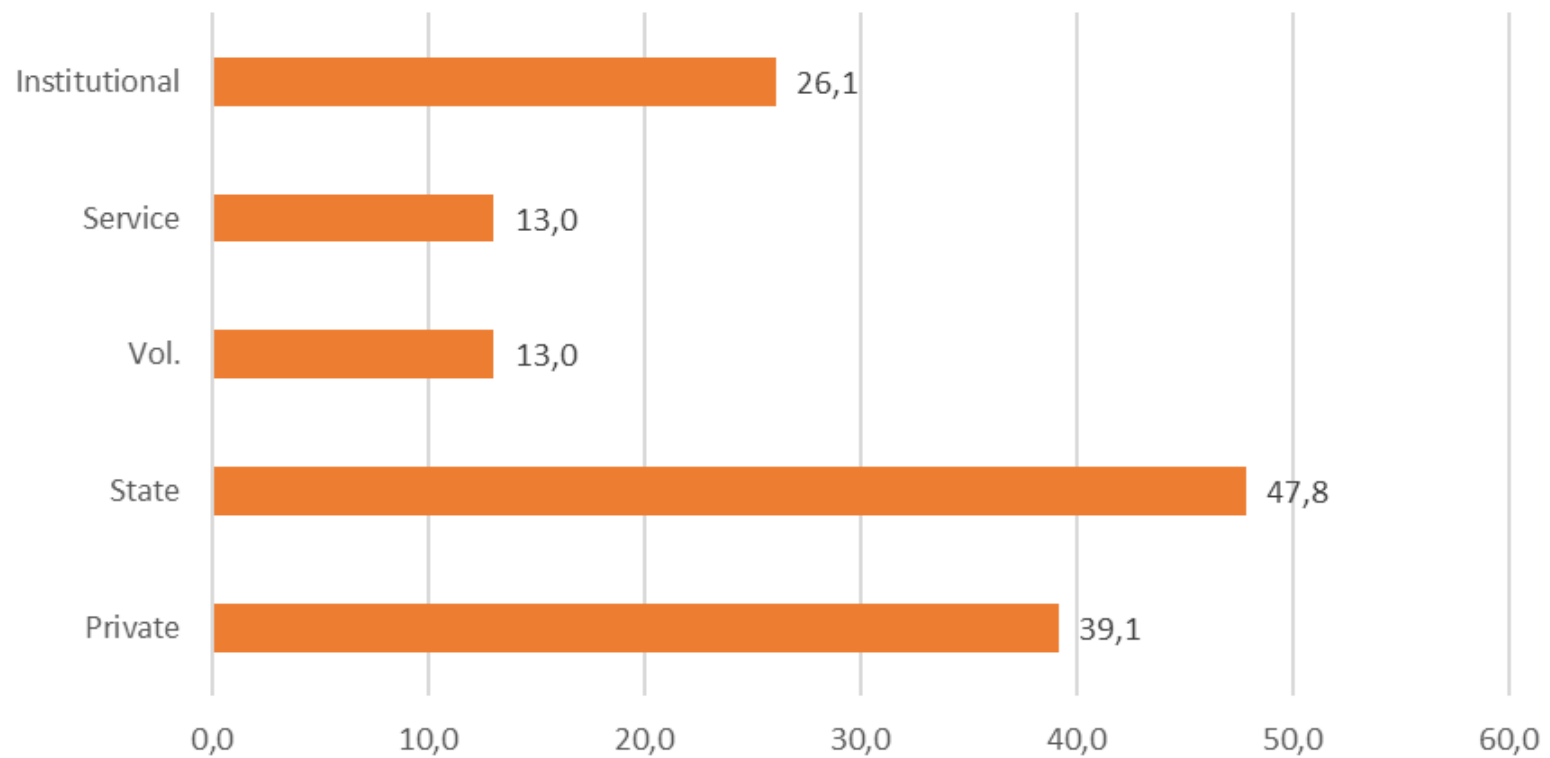
Chilean Principles of Citizen Science

- Involve the people
- Produce a scientific result
- Enhance the common benefit for everyone
- Develop conditions for improve participation
- Facilitate information to participants
- Democratize science production and knowledge
- Prefer Open data
- Responsible recognition to participants
- Evaluates different dimensions
- Incorporate legal, ethical and cultural aspects

Participants as volunteers

18 projects with 1 or less hired FTP.

Project managers also are volunteers.





Situadedness, Landscapes and knowledge

- *Who produce, practices and promote citizen science in Chile? Universities (mostly Coquimbo) and environmental activists.*
- *A close relation through mentoring, specialized and public meetings. A dynamic community with everybody pushing.*
- *Project leader as an fragile position.*
- *Volunteers is a broad category, because is the nature of network.*
- *Impact outcomes are not standardized, but in policy and community changes project leaders declare don't low achievement.*

Acknowledgement

- Dr. Andrea Wiggins (IS&T UNO)
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- ASU Citizen Science Network
- All our colleagues and friends engaging communities on Citizen Science in Chile.