



From individual innovation to collective capabilities for community resource management

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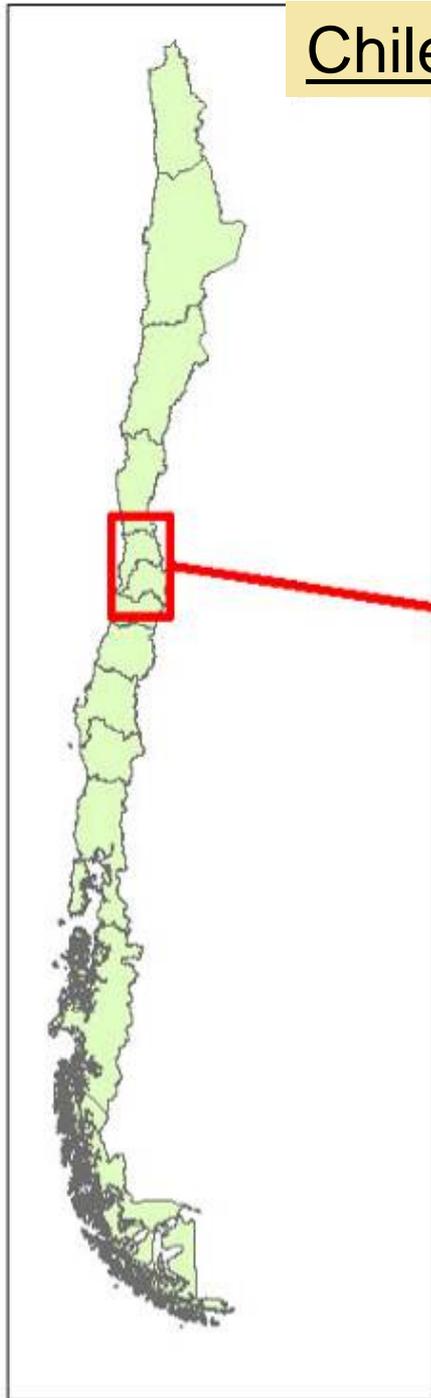
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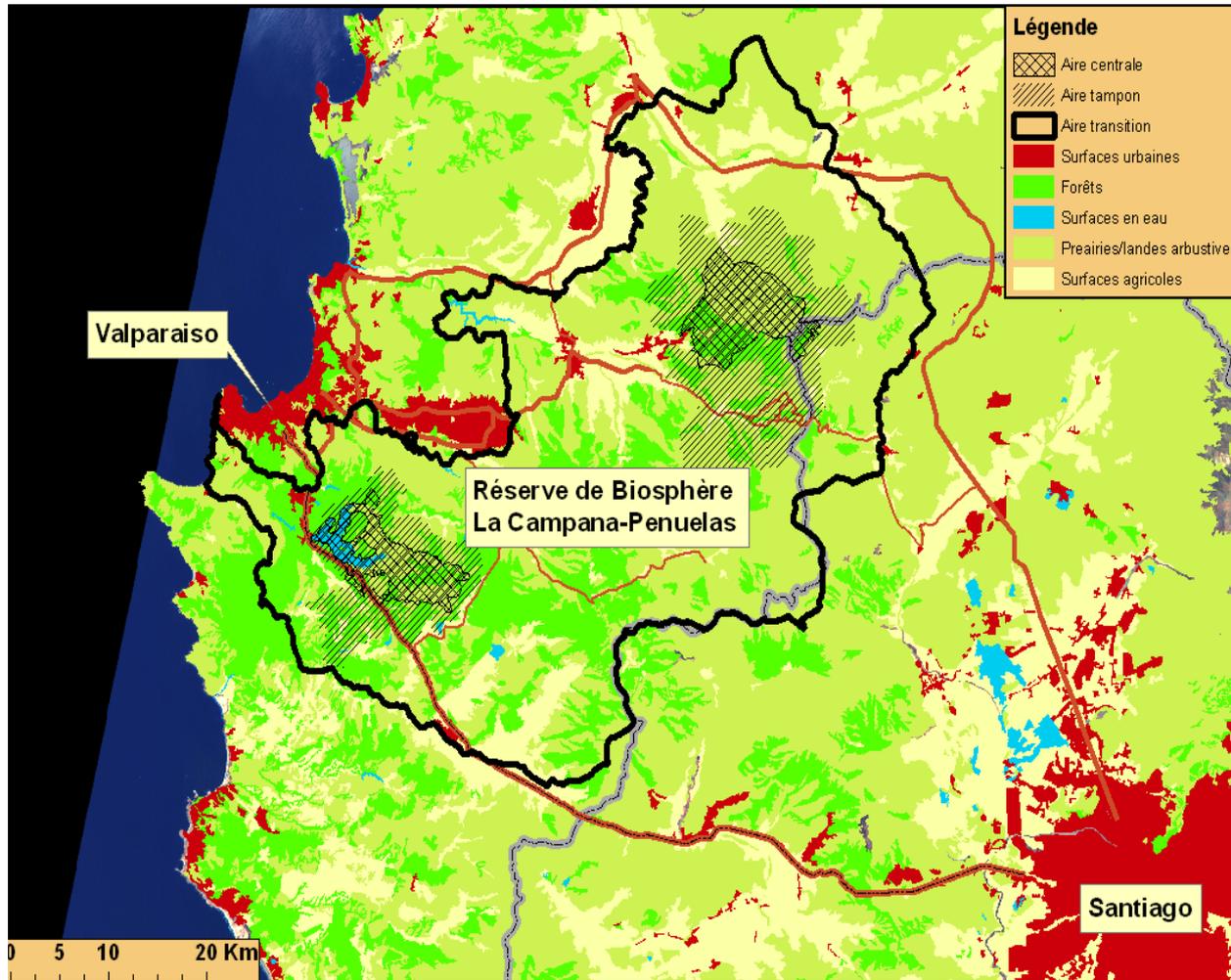
Chile

Study area



Sources: CONAF, Institut Géographique de Valparaiso
Réalisation: Jérôme Pelenc

RB de La Campana-Peñuelas



- 60 km from Santiago and near Valparaíso
- Contains 124 083 inhabitants on 238 216 ha
- Macro Region Santiago-Valparaíso :
8,5 millions habitants = more on the half of the national population (16 millions)

→ Private lands (Excepted the central area which is a National Park))

→ Very high and diverse number of actors

→ Biosphere Reserve (BR) unknown in the national law

→ BR has a concertation's mission and actors' coordination



Background surveys

- We first conducted a sociological survey (2008-2010) in order to identify the innovative actors within the BR
 - Interviews to the diversity of actors of the Biosphere Reserve
 - Main objective: to understand their representation of the Ecosystem Services and its dynamics
- A result: identification of alternative experiences, among unknown actors, as possible ways to the sustainable development of the BR
 - => experimental workshop**



Form individual to collective

- Hypothesis: all the innovative actors of the area share the SD as a value putting it above the others ones.
- How to build and empower this heterogeneous group of individuals?
- How can we facilitate interaction within the group and how to bring social innovation to more people of the area?



First step: reveal the shared values to overcome the individual differences

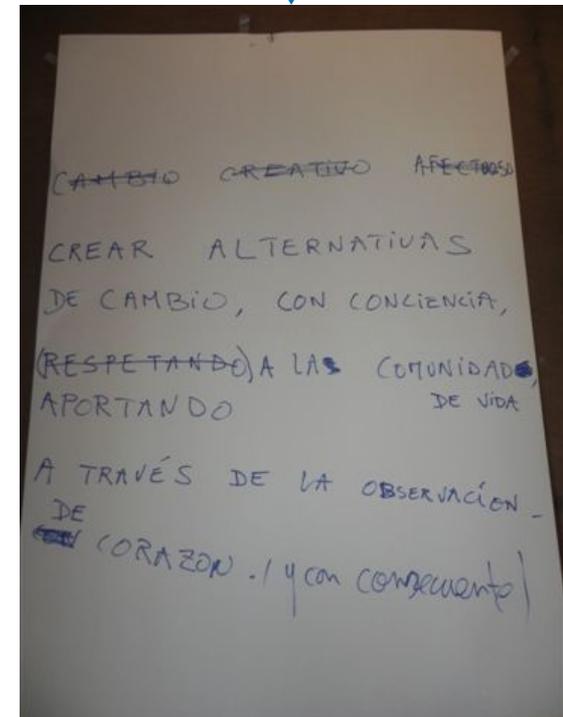
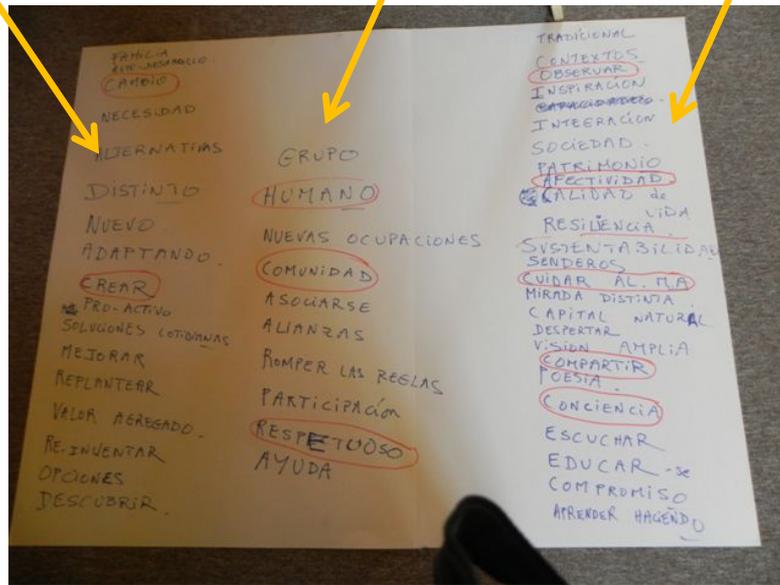
How did we proceed?

1. Everybody write personally his definition of innovation
2. We read all the definitions and sort by column (individual, group or social, and values)
3. Collectively, we write a consensual definition which constitutes the common identity of the group
 - ➔ Individuals realized that they are sharing the perception of life with the others.
 - ➔ Through it will be the reference for the group identity

individual

collective

values



- "Crear alternativas de cambio, en consecuencia a la conciencia, generada a través de la observación de corazón, y aportando a las comunidades de vida."
- « To create alternatives of change consistent with a developed consciousness through heart observation bringing something to the living community »

Second step: Identifying shared problems for innovative sustainable livelihood

How did we proceed?

- Making sub group
- Asking for 3 problems by group with priority scale, In red problems very difficult to solve, problems medium difficult to solve, problems easy to solve
- Categorization thanks to Capability Approach



Sen (1992, 1999); Pelenc&Dubois (2011)

Shared problems of innovative actors to have sustainable functioning

**Natural
recourses**

**Economic
recourses**

**Property
rights**

**Internal
capacities**

**External
capacities**

Values

Falta de Agua Extracción de desechos

Difundir los emprendimientos ambientales Falta de espacio físico (terreno propio)

Semillas

La burocracia
Falta de paciencia
Falta de comunicación Dificultad en la toma de conciencia en los adultos v/s los niños Dificultad para que los actores involucrados puedan encontrarse en áreas comunes

Cambio de habito individual Falta de asociatividad y confianza entre los innovadores Desconocimiento de información para fondos de fomento económicos

Desinformación de beneficios agroecología y patrimonio Modelo económico-social imperante hace muy difícil generar acciones a favor del MA Contaminación de las aguas

Sequía Los cuatreros Falta voluntad política Política del estado excluyente

Cultura y educación ambiental de la población Falta conciencia ambiental Cambio de hábitos social Compromiso colectivo

Third step: how to overcome the problems identified

- How did we proceed?

✓ Each person had to write on three different cards, 3 capacity, service or product he could bring to the group.





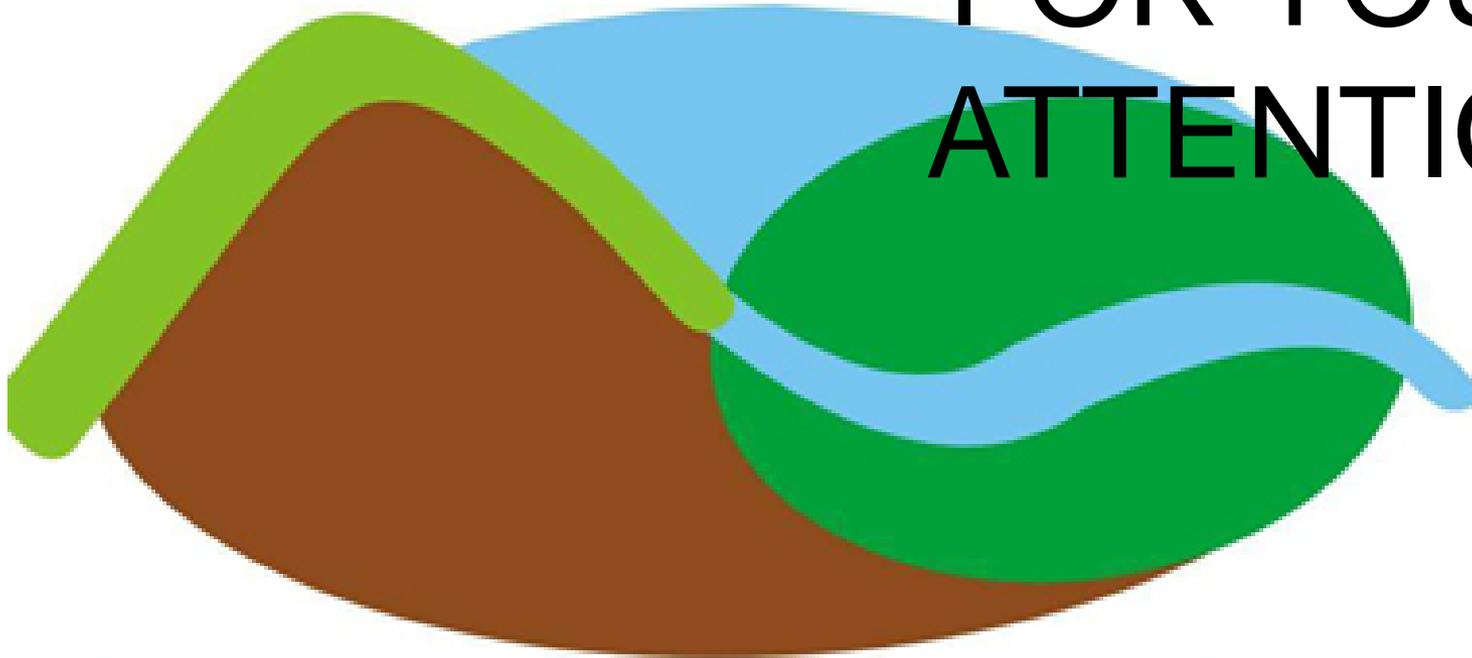
Results

- They are not alone anymore;
- A lot of the problem could be solved by the different offer;
- The group and the individual were empowered because they realized that have in their hands the solution of many problems;
- They won a visibility and the possibility to access the governance body of the biosphere reserve

Future for this network for sustainable development

- Some of the actors have decided to form a local NGO ("*Acción Biosfera: Rescate cultural y innovación socioecológica*») to represent the community in front of the BR board comity and to implement some concrete project for the community at the name of the BR ("*un huerto para todos*" etc..)
- With the successful of the first organization of the « *Feria del trueque*» in the BR Area, it's now developed each week.

THANK YOU
FOR YOUR
ATTENTION



Reserva de Biosfera
La Campana - Peñuelas
CHILE

“NUESTRO COMPROMISO CON LA CONSERVACIÓN Y EL DESARROLLO”