



Youth civic engagement relating to climate change: Developing a research- practice partnership between Chile and Scotland

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Problem(s) of practice

- Despite their vocal concerns about the climate crisis, **young people's perspectives** are largely **underrepresented** in policymaking.
- This has prompted widespread calls for more research that engages with pupil's environmental concerns throughout the world (Sanson et al., 2019). Specifically, in order to develop new mechanisms for amplifying children's voices in policy spaces, especially profound for climate-related discussions (Arts, 2019).
- The climate crisis demands to reimagine the role of education to promote youth voices and a provide a sense of hope and resilience (OECD, 2018). Reimagining such role requires integrating environmental issues into the curriculum and support teachers to develop and sustain interdisciplinary collaborations.

Conceptual framework



- Using the conceptual framework of **Research-Practice Partnerships (RPP)** researchers and practitioners from Chile and Scotland are developing an international collaboration to promote youth civic engagement relating climate change.
- *A research-practice partnership (RPP) is a long-term collaboration aimed at educational improvement and transformation through engagement with research, intentionally organized to connect diverse forms of expertise and to ensure that all partners have a say in the joint work (Farrell, et al, 2020)*
- This international partnership involves school teachers, university faculty staff, and pre-service teachers.

Theoretical framework



**Youth
engagement &
student voice**

Reflexive learning
(Diaz & Jeria, 2018)



RPP

Coburn et al, 2021;
Farrell et al, 2020



**Educator
Professional
Learning**

CNS Capabilities
Research Model
(Ward et al, 2019)

Research questions (RQ)



01

To what extent the RPP drives educational improvement that strengthens youth-civic engagement relating to climate change?

02

What is the contribution of the RPP around the inclusion of environmental issues and students' voices into the pedagogical curriculum?

Methods

Design-based

research
approach

Data

online interviews
and focus groups
with participants
of the RPP

RPP

Implementation
6 months

Students

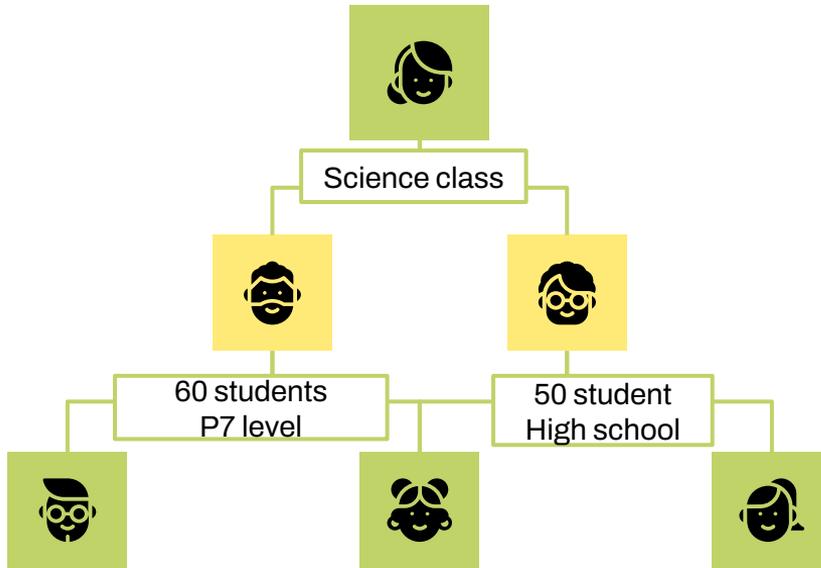
products
analysis,
interviews,
toys as
puppets



RPP implementation during 2021



Findings RQ1: To what extent the RPP drives educational improvement that strengthens youth-civic engagement relating to climate change?



Research on environmental issues

- ➔ **Recycling of plastic bag** through thermofusion
- ➔ **Use of calcium oxide** to mitigate bad odors in a pet cemetery
- ➔ **Fast fashion and climate change** how fast it is contributing
- ➔ **Going vegetarian** Health Benefits
- ➔ **Water thermal equilibrium** linked to glacier melting
- ➔ **Air temperature and humidity** cup of hot water and greenhouse effect

Findings RQ1: To what extent the RPP drives educational improvement that strengthens youth-civic engagement relating to climate change?

→ **Research skills** and conducting a scientific project



We thought it was impossible to make a change in the world or with our project. We thought it was difficult to contribute and help our planet. But we realized that nothing is impossible since we can contribute or do what we can.

Secondary students, Chile

Findings RQ1:

To what extent the RPP drives educational improvement that strengthens youth-civic engagement relating to climate change?

- **Children's hopes** and concerns on local environmental issues
 - Learning from each other and global vision of climate change



The conversation opened our eyes and showed us that climate change isn't only affecting us but everyone as well. It gave us more motivation to bring awareness and change. - *Secondary student, Scotland.*



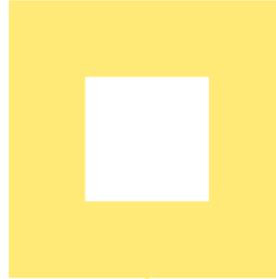
Findings RQ1:

To what extent the RPP drives educational improvement that strengthens youth-civic engagement relating to climate change?



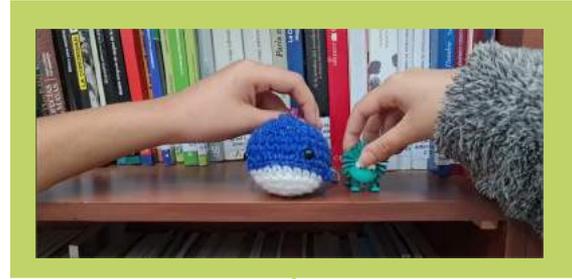
44%

What would you share with the world after participating in these activities?



48 videos

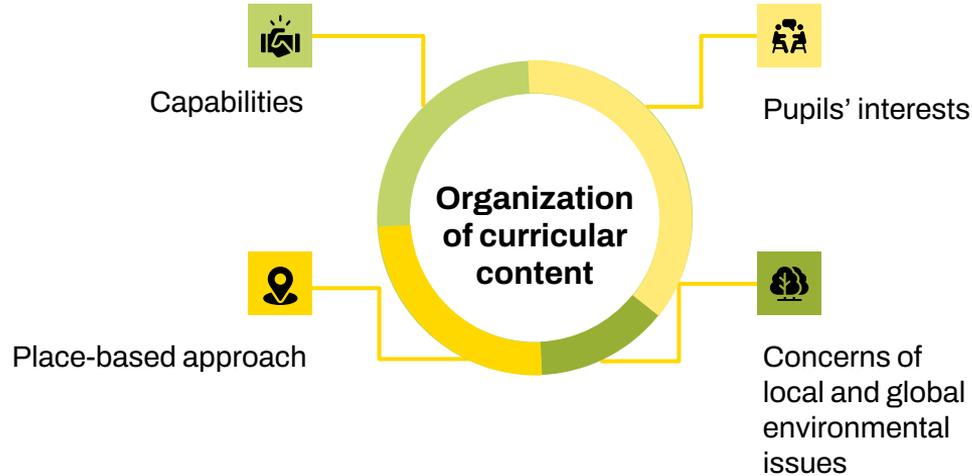
P7 students using toys as puppets



27%

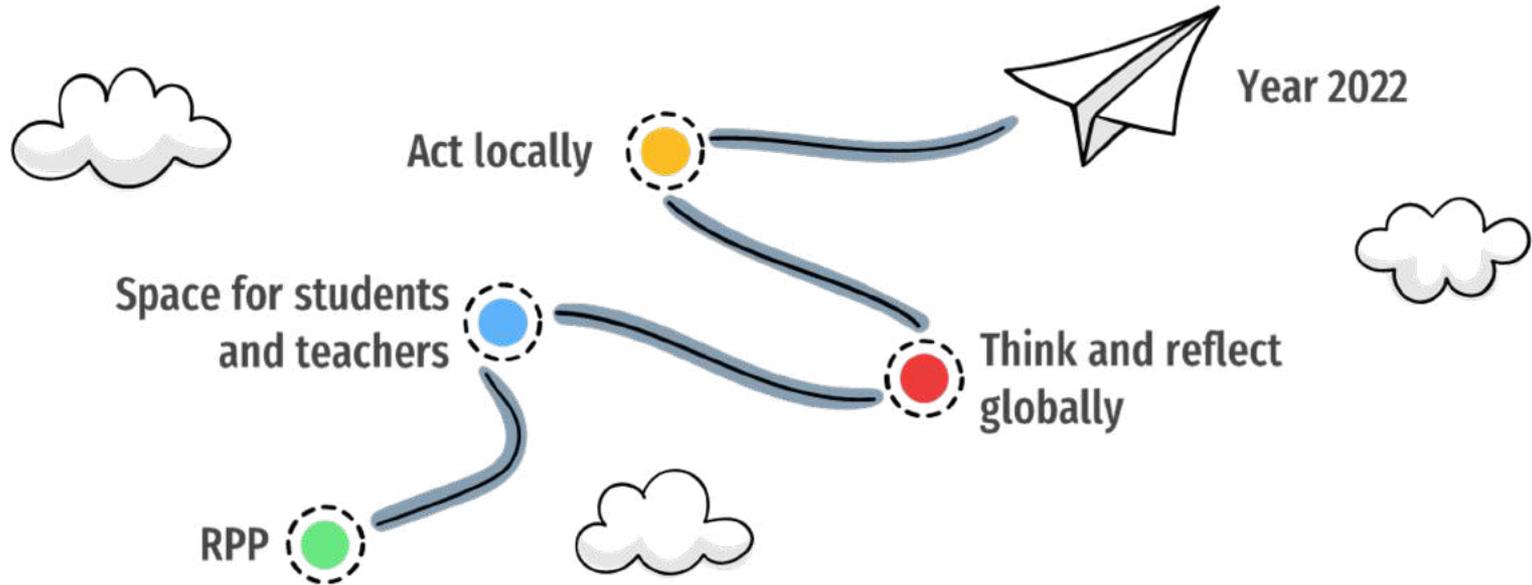
What should be considered in Chile's new constitution?

Findings RQ2: What is the contribution of the RPP around the inclusion of environmental issues and students' voices into the pedagogical curriculum?



Student-led research model

Findings RQ2: What is the contribution of the RPP around the inclusion of environmental issues and students' voices into the pedagogical curriculum?



The interdisciplinary-intersubject component of the RPP
(chemistry, social sciences, physics, language)



ENCUENTRO CHILE-ESCOCIA
MARTES 28 SEPTIEMBRE 2021



Acting locally
and thinking
globally



Thank you!

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SCAN ME



Find more details about this project
<https://nsee.org.uk/cop26-event/>

ICSEI presenters
5 January 2022

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