Evolutionary process of infrastructures in new territories. The Patagonia Case
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“The proposal responds to the need of a person, the development of a nation and the health of the planet.”
Evolutionary process of infrastructures in new territories. The Patagonia Case

COMPONENTS FROM THE RENK SYSTEM & PATAGONIAN RESOURCES

Low tide
High tide
Ocean
Sandbanks
Sky
Step
Fauna
History

1 - Resource & Project
TERRITORIAL FIGURE IN ARGENTINA
Evolutionary process of infrastructures in new territories. The Patagonia Case

TIMELINE

2016
- Begins thesis research
- Travel for fieldwork: Rio Gallegos, Santa Cruz
- Meeting with UNPA, UTN, Municipality of Rio Gallegos, YCRT

2017
- Meeting with National Director of Renewable Energies, Buenos Aires
- Thesis presentation

1st PHASE RESEARCH + PROJECT PROPOSAL

2017
- 1st prize Tamayouz International Award for graduation projects, Global
- Project lecture and exhibition at Harvard University, Cambridge, EEUU
- Mention Fadea Saint Gobain Argentina

2018
- 1st prize International Federation of Landscape Architect Student competition - Global
- Intellectual Property Rights of the project protected
- LafargeHolcim Awards Ideas prize, Global
- Finalist TIL Competition Argentina
- Travel for fieldwork: Rio Gallegos, Santa Cruz

2nd PHASE RESEARCH

II - 2016-2018 Research
1. MAIN OBJECTIVE

To further continue the project research towards building the first pilot tidal lagoon of America

2. AREAS OF RESEARCH


PLANET  PLACE  PROSPERITY  PROGRESS
LafargeHolcim Awards
Research in Practice Grant application

TERRITORIAL FIGURE IN ARGENTINA
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ACTORS

2. AREAS OF RESEARCH

Energy & Construction
Ing. Alejandro Pujol, civil engineering
Dr. Hugo Sirkin, physicist
Ing. Gustavo Seisdedos, engineer
Ing. Gaston Segura, engineer
Ing. Rafael Oliva, renewable energy
Ing. Luis Villanueva, engineer

Environmental Impact
Dr. Zulma Lizarralde, biologist
Dra. Paula Diez, geographer
Dra. Gabriela Williams, biologist

Economy & Finance
Ing. Sebastian Kind, engineer
Ing. Juan Prioletta, engineer
Lic. Matias Mladineo, economist
Lic. Gabriela Rijter, economist

Redesign & Planning
Ing. Alejandro Pujol, engineer
Arq. Javier Giorgis, architect
LafargeHolcim Awards
Research in Practice Grant application

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EVOLUTION

landscape architects

global
local

CLIMATE CHANGE + HELP ARGENTINA

MULTIDISCIPLINARY RESEARCH

energy environmental impact design economy & finance politics

RESEARCH TRASCENDS THE PROJECT ITSELF

III - 2018-2020 Research
MACRO OBJECTIVES

- Develop a **territorial strategy** of tidal energy in the Argentinian coast.
- Localize **opportunity areas**.
- Identify **links** between possible tidal projects along the coast.
- Study the **economical, energetical and social benefits** of tidal projects in cities, provinces and nation.
MICRO OBJECTIVES

2. AREAS OF RESEARCH

- Design/Propose pilot landscape infrastructure projects for specific areas along the Argentine coast.
- Link projects with specific local and future activities such as Aquaculture, Tourism, Industry and Energy.
- Study the relation between these infrastructures and cities.
- Collaborate with CONICET, to start measuring Argentina waters in order to obtain specific data about the tidal resource. We have access to its scientific equipment.
- Visit tidal power stations in activity.
- Continue communications with possible investors and financial organizations.