



SACYR NATURAL CAPITAL

How can we improve the valuation and management of natural capital in Sacyr's projects?



Challenge origin

Sacyr wants to monitor the impact of its activities on natural capital in order to improve the environmental impact of its projects.

Objectives

To identify technological solutions to assess, analyze proposals, monitor, minimize, or compensate the impact of its projects.

Aspects to Consider

We look for solutions that allow Sacyr to:

- Know its dependencies and impacts on natural capital.
- Identify and quantify the natural capital of the project environment for an analysis grouped by typologies and activities.
- Quantify the ecosystem services, establish the baseline, and calculate the net balance of natural capital generated by the company's activities.
- Adjust, where appropriate, corrective and compensatory measures based on the results obtained.
- Measure the return on natural capital of the company's compensation strategies.

The solutions must enable the visualization and management of data with the objective of providing reliable and up-to-date information to speed up decision

Problems to Solve

- Create a methodology for valuing natural capital.
- Unify actions and indicators related to natural capital to facilitate decision making.
- Take into account in an automated way factors that go beyond regulatory compliance.

Benefits

- Obtaining a better understanding of the environmental risk associated with the projects developed.
- Knowing which remediation and compensation actions generate a greater economic and social environmental return.
- Orientation environmental objectives and actions to correct and compensate impacts.
- Reducing the adverse impacts generated by our activities on the environment.



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Natural capital: An environmental term that measures the natural resources of ecosystems and the biosphere (e.g., plants, animals, minerals, air, oil, etc.). Intangibles such as oxygen production capacity, natural water purification, erosion prevention, and pollination are also quantified.

We Look for...

- **Solutions that allow the early assessment of natural capital before starting a project.**
- **Solutions detect risks and opportunities associated with changes caused by the company's activities.**
- **Solutions to monitor the impact of Sacyr's activities and restoration initiatives.**
- **Solutions that facilitate the monitoring and management of remediation activities.**
- **Solutions that unify and homogenize all the criteria to be taken into account for the evaluation of natural capital.**