

An aerial photograph of a two-lane road winding through a dense, green forest. The road is illuminated by the warm, golden light of a sunset or sunrise, with the sun low on the horizon behind a range of mountains. The sky is filled with dramatic, colorful clouds in shades of orange, yellow, and blue. A body of water is visible in the distance on the right side of the road.

**sacyr**

# 2024 | Innovation Summary

D.G. for Strategy, Innovation and Sustainability

*Buga, Buenaventura - Colombia*



Innovation is our tool for anticipating the future, transforming the way we design, build and manage infrastructure.

It is part of our values and is key to achieving our ambitious goals.

We are committed to more sustainable development, applying solutions that harmonise economic, social and environmental balance and allow us to move forward responsibly and with a vision for the future.



## Our road map



Dam Barrios de Luna - León



On the way to the summit

24

Own-funded  
projects

18

Projects with  
public investment



Sacyr  
Sherpa

4

Sacyr iChallenges  
projects

29

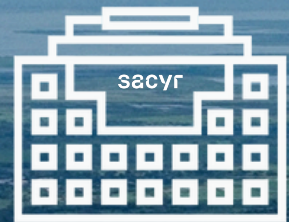
Projects with a  
sustainable focus

14

Projects with  
startups

*Dam Barrios de Luna - León*





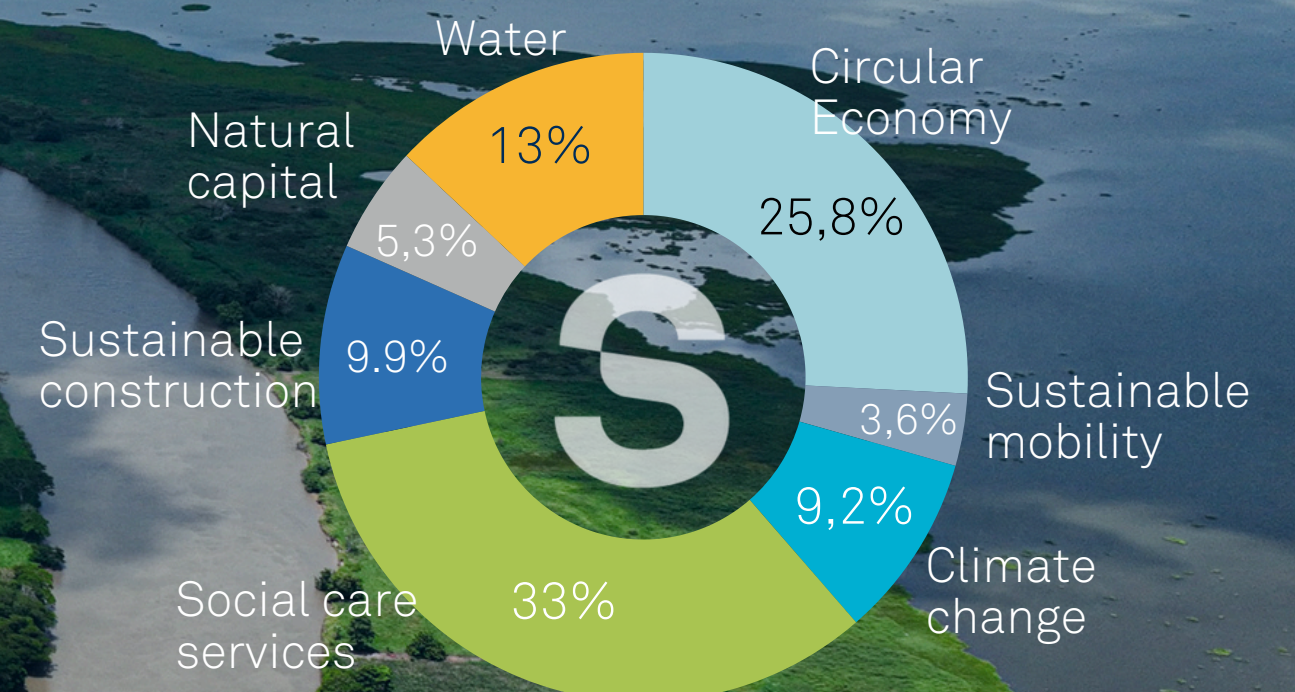
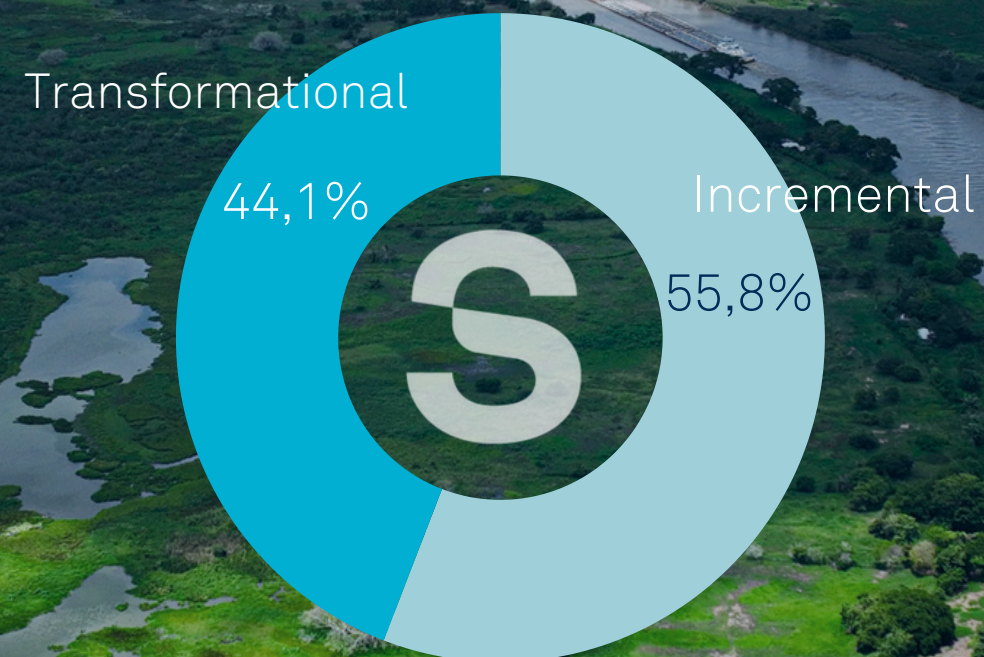
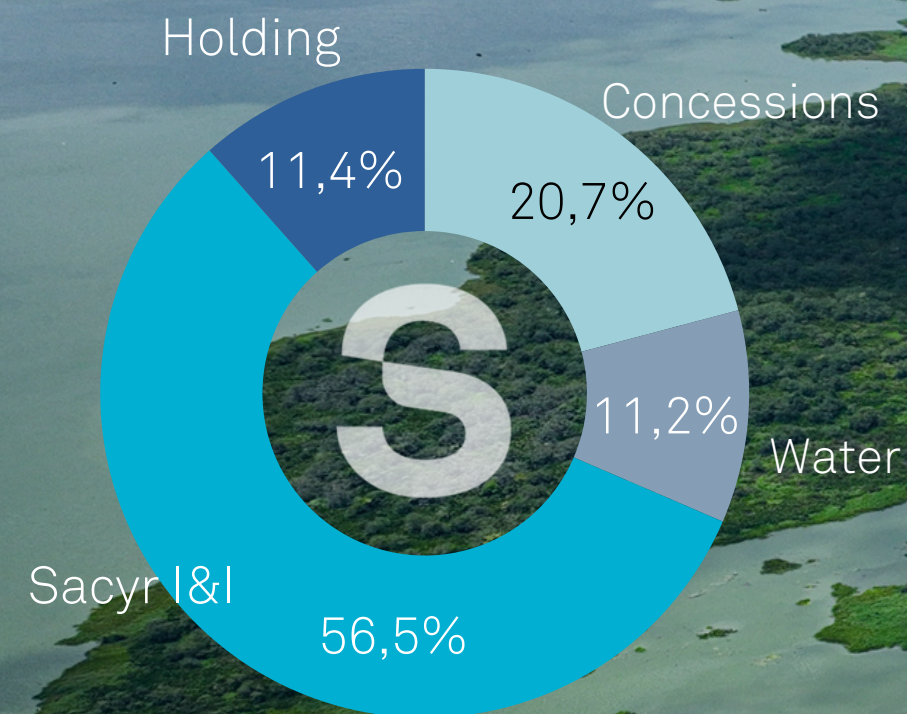
Investment by  
business 2024



Investment by  
project 2024



Investment by  
environmental area 2024





# Sacyr iChallenges



New ways to overcome challenges



Sacyr  
iChallenges

Our open innovation model encourages us to collaborate with external agents that provide innovative solutions to our business challenges. The programme is aimed at large companies, research centres, universities and startups from anywhere in the world that present new technologies, methodologies and disruptive business models. In 2024, we are launching two challenges in the areas of Roads and Water, reaffirming our commitment to the transformation of the sector.





# Sacyr iChallenges



Perth Desalination Plant-Australia



Sacyr  
iChallenges

evov9



EAGLERIDGE INNOVATIONS CORPORATION  
MicroPoP for Elimination of Waste Activated Sludge (WAS)

## Technological innovation to boost circular management in water treatment:

How can we minimise, reuse or recover the substances and wastes present in our water treatment and distribution operations?



EHAB



Irmos

## Climate change resilient infrastructure:

How can we prepare our infrastructure to cope with adverse weather events, and improve our ability to anticipate, withstand and respond to damage?

Pamplona-Cúcuta Highway-Colombia



Sacyr  
iChallenges



# Innovision

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This initiative allows us to identify business opportunities around emerging technologies, hand in hand with experts, technologists and leading companies in the field.

Through different meetings, we explore technologies that are of interest to Sacyr's businesses and investigate the advantages of their application in our activities.

In 2024, we analysed the challenges and business opportunities around connected infrastructures, together with key players in the field of connected mobility.

## Attendees at the event



50

## External partners



+45



Sacyr  
Innovision

## Speakers



12

## Visualizations



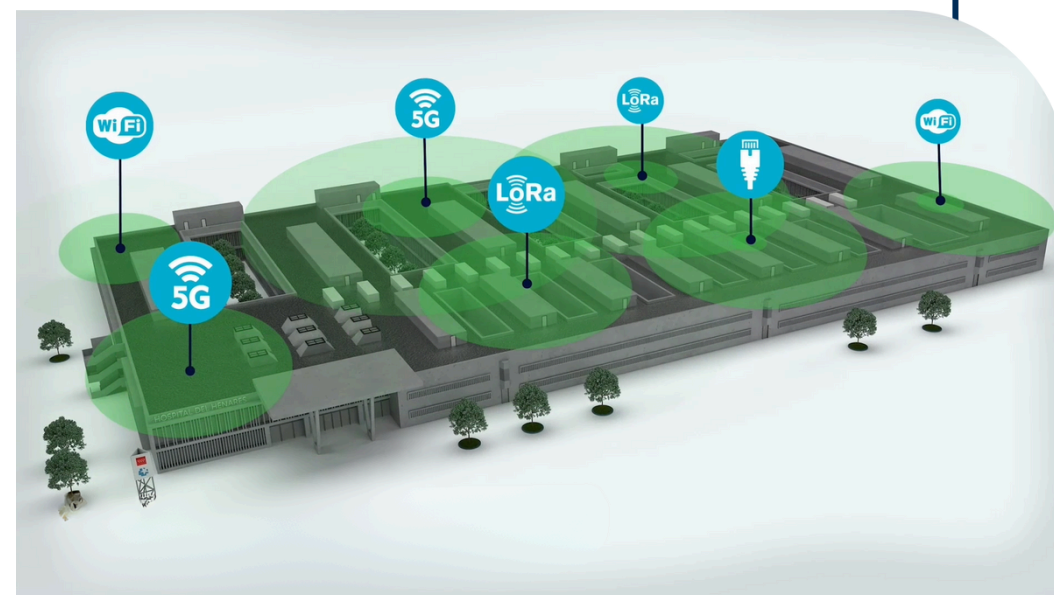
+100



# Projects

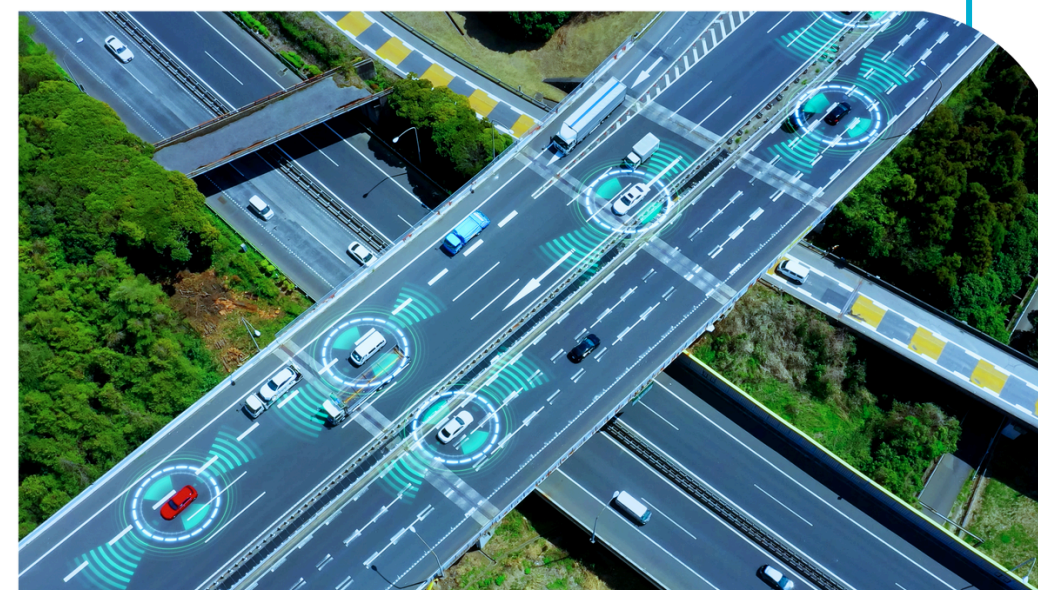
## Hospital Cognitivo

Smart platform that optimises building operation and maintenance processes. Thanks to its implementation, the energy efficiency and air quality of hospital assets is improved, and the environmental footprint associated with the infrastructure is reduced, both in the construction and operation phase.



## Carretera Inteligente

A system based on artificial intelligence that supports road operations, increasing road safety and improving the quality of roadside assistance. The quality of roadside assistance is improved. The technology combines data (cameras, traffic, weather, etc.), applies artificial vision and predictive algorithms to detect, validate and prioritise risks and incidents.



## Eliminación Microplásticos

Method for the quantification, capture and elimination of microplastics in wastewater. The validated technology for the elimination of microplastics in wastewater has achieved a removal performance of 76%, improving the quality of the treated water and preventing its discharge into the environment.





# Sacyr iFridays



Sacyr  
iFridays

To innovate is to be inspired. We are constantly searching for new knowledge to understand the evolution of the world. Innovation comes from curiosity, perseverance and continuous learning. In 2024, we have continued to explore new perspectives, with the aim of raising awareness of current trends and challenges, and to show how innovation impacts all sectors and society as a whole. Each month, we feature guests who share their vision and experiences with innovation at the core.



3.686

Views in 2024



+400

Average views per session



9

Events in 2024



ROMA

#Women  
InTECH  
SPAIN

3M

CIEC

MADRID  
IN GAME

MAHOU  
SANMIGUEL

TOUS

COCUUS



# Natural Innovators Awards

sacyr

In its ninth year, the **Natural Innovators Awards** continue to highlight innovative talent within our company. innovative talent within our company. These awards represent our commitment to innovation and have become consolidated as an annual recognition of the values that define us, driving Sacyr to **annual recognition** of the values that define us, driving Sacyr to be increasingly more competitive. Sacyr to be increasingly **competitive, sustainable and avant-garde**.



Innovadores  
Naturales





# Natural Innovators Awards



## We are Excellence

 **España:** Thomas Ransome, Alejandro Rubio.

 **Chile:** Cristian Sandoval Correa, Manuel Ortiz Espinoza, Luis Shuffer.

 **Perú:** Jessica Paola Sosa.

 **Colombia:** Marisel Castro.




## We are Achievement

 **España:** Erick Rafael Cordova, Vicente Jesús Pozo, Ignacio Hernández, Marta Lozano, Alba Pérez


 **Chile:** Ricardo Sepúlveda.

 **Perú:** Víctor Augusto Méndez.

 **Colombia:** Jorge Barange, Elias González, Rodolfo, José Luis Fernández, Víctor Antonio Rodríguez, Rafael Costero, Luis Daniel Jimenez.



## We are a Team

 **España:** Carlos Balado, David Barreda, José Manuel Ballinote, Juan Carlos Lama

 **Chile:** Francisco Bustos, Ricardo Herrera

 **Perú:** Dorothy Silva Fong, Ruth Cerna Jáuregui.

 **Colombia:** Luis Trujillo, Mario Salcedo, Jorge Manjarrez, Osmar Gonzalez, Yeferson Villalobos, Anny Castaño.



## We are Sustainability

 **España:** Juan Chica, Antonio Jimenez-Peña, Ramón Sanchez, M<sup>a</sup> Ángeles Tora.

 **Chile:** Steffany Martinez.

 **Perú:** Kevin Teodoro Onofre.

 **Colombia:** Jonathan Andrés Ospina.

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**+120**  
Candidatures



**42**  
Winners



**10**  
Countries



**Innovadores  
Naturales**



# Natural Innovators Awards



## Gallery of innovators 2024





# Natural Innovators Awards



## Gallery of innovators 2024



Chile



Perú



Colombia





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