



# RESINFRA EU-LAC

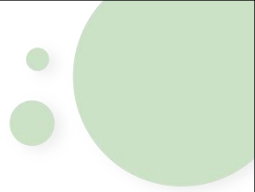
TOWARDS A NEW EU-LAC  
PARTNERSHIP IN RESEARCH  
INFRASTRUCTURES



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# THE CONTEXT



The **EU-CELAC (Community of Latin American and Caribbean States) Working Group on Research Infrastructures (RI)** is a dedicated WG created in 2017 to strengthen international research cooperation and ties across the Atlantic on Research Infrastructures (RI).

The WG is leading **new cooperation agreements**, delivering new capacities for ground-breaking science, enhancing mutual learning and knowledge sharing, and improving bi-regional policy coordination on RI.

EU-LAC ResInfra Project supports the **dialogue within the WG for the development of Research Infrastructures (RIs) policies by deploying a Sustainability Plan** for strengthening the bi-regional collaboration on RI based on concrete actions through 4 thematic Pilots.

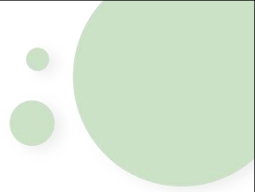
# THE PROJECT

**ResInfra** pursues the **construction of a bi-regional collaboration between European Union and the LAC countries**, envisaging a range of different activities that will contribute to this aim.

Thus, the project is drafting a **map of National and Regional Research Infrastructures policies**, with the objective of identifying eligible research infrastructures upon which to build this bi-regional collaboration.



## THE PROJECT (II)



Additionally, the project is supporting **four pilot projects**, building on existing European Research Infrastructures, each in an area of knowledge identified as a priority for the scientific cooperation between the EU and LAC.

Finally, the project will produce a **Sustainability plan**, including specific action aimed to support this bi-regional collaboration, as well as an analysis of RI's capacity and feasibility.

The main outcome of the project will be to draft a proposal for **a stable framework of cooperation** and a roadmap that will:

- promote the internationalization of RIs from both regions,
- reinforce EU-LAC cooperation
- and perform human capital development and capacity building

# EU-LAC ResInfra Data

Starting date: 1/12/2019  
Ending date: 31/05/2022  
Budget 1,5M€

14  
Countries

18  
Partners

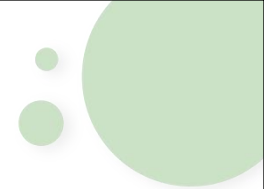
4 PILOTS

EU-LAC bi-regional Collaboration on  
Research Infrastructures

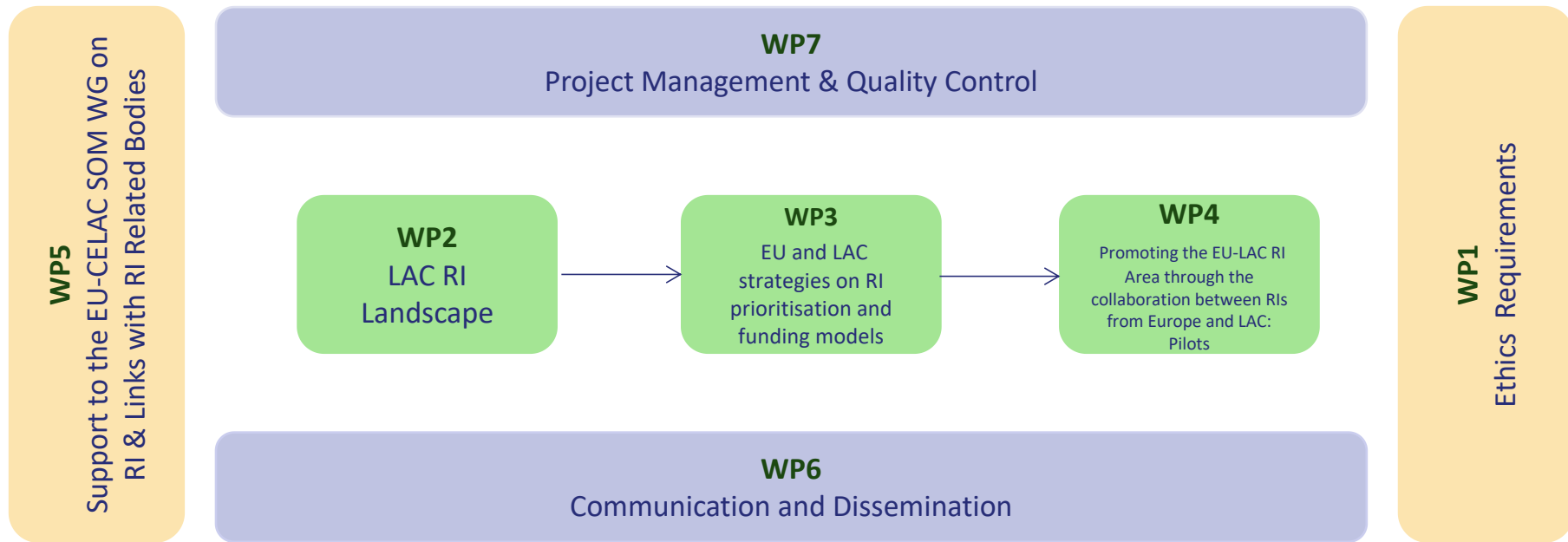
# THE PARTNERS



# THE WORK PLAN



EU-LAC ResInfra work plan is composed by seven **work packages**:





## THE WORK PLAN (II)

WP NUMBER	WP DESCRIPTION	LEADER AND COLEADER
WP1	Work package aimed at defining the ' <b>ethics requirements</b> ' that the project must comply with	MICINN (L)
WP2	The objective of WP2 is to <b>update the mapping of the CELAC RI ecosystem</b> which will be the basis for the bi-regional RI collaboration.	CNPq (L), VTT (C)
WP3	The objective of this WP is to <b>collect data and to create a portfolio of EU and CELAC RI roadmapping strategies</b> , funding models and policy instruments in order to select the promising practices and lessons learnt.	ANID (L), CNR (C)
WP4	The objective of this WP is to support the <b>construction of the RI EU-CELAC collaboration area</b> establishing bridges between the pan-European RI and national RIs with regional potential in their CELAC counterpart region. As part of the WP, <b>four pilots</b> will be developed.	DLR (L), CONACYT (C)
WP5	The aim of this WP is to <b>inform and support the policy activities</b> of the SOM RI Working Group, as well as establishing links with RI related groups .	MEC (L), MICINN (C)
WP6	This WP aims to develop an effective strategy to communicate, disseminate the project activities, results and outcomes in order to optimize them.	SPI (L), ANID (C)
WP7	This WP aims to guarantee the correct running of the project through the follow-up of activities performed, the quality and appropriate timing of deliverables, the coordination of legal and financial requirements and the establishment of an effective communication.	MICINN (L)



# THE PILOTS

With the intention to contribute to the construction of the RI EU-LAC collaboration, **four pilots** will be developed, each in an area of knowledge identified as a **priority for the scientific cooperation between the EU and LAC**:



in the field of  
**Structural Biology**



in the field of  
**Ecosystems and  
Biodiversity**



**E-RIHS**

EUROPEAN RESEARCH INFRASTRUCTURE  
FOR HERITAGE SCIENCE

in the field of  
**Cultural heritage**



for the  
transdisciplinary  
application of  
**Supercomputing**

## THE PILOTS (II)

Making innovation in biomedical sciences possible by **improving access to high-end technologies and methods in structural biology** in Europe and Latin America & Caribbean.

- Increase **international access** to structural biology services & expertise
- International symposia.
- Communication and networking. Promote international collaborative work.
- Staff exchange & increase mobility
- Working towards a research bi-regional infrastructure landscape analysis in the area of structural biology.

## THE PILOTS (III)

Strengthening the bi-regional cooperation in the domain of **Heritage Science (HS)**.

- **Fair Data:** Creation of an International Task Force dealing with the globalization aspects in the implementation of the FAIR principles.
- **Data Exchange:** pilot examples of heritage science data exchange.
- **Interoperability:** BoF session at 16th RDA Plenary in November 2020. "Linguistic and Disciplinary Barriers to Heritage Science Data Interoperability".
- **Open Data:** demonstrate potential of mutually opening data for science and cultural diplomacy.
- **Trans-national Access:** Sharing of the IPERION HS TNA calls with LAC partners, 1st call in October 2020.

## THE PILOTS (IV)



How to measure the **impact of Global Climate Change issues on Earth Biodiversity and Ecosystem Research.**

- Creation of **EU-LAC International Board-Committee** of Researchers & Policy-Decision Makers on Biodiversity and Ecosystem Research & Sustainable Management Services.
- Establishment of a **EU-LAC distributed Thematic Centre on Biodiversity Ecosystem Services.**
- Coordination with EU-LAC ResInfra pilots to agree specific synergies & collaborations
- Define a **Bi-regional Roadmap on e-Biodiversity.**

# THE PILOTS (V)

**Supercomputing** for a fruitful collaboration in the EU-LAC region acting as an **articulated skeleton** targeting multiple fields.

- To draft a **roadmap for successfully exporting the European PRACE** concept to Latin America defined from well-targeted **key partners and best practices**
- **To ensure sustainability of a supercomputing LAC RI as RICAP is** to build an **EU-LAC RI collaboration in the long term** (with major European initiatives such as EuroHPC or PRACE)
- To successfully **pass the baton** to RedCLARA and SCALAC
- Dissemination of **training activities** for additional participation from other pilots
- Hosting **scientific short term visits**



**ResInfra**  
EU-LAC