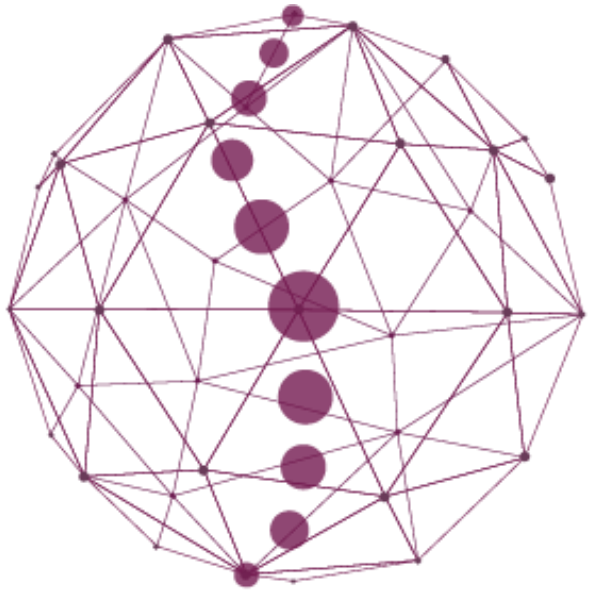

R O S I A

ROSIA

REMOTE REHABILITATION SERVICE FOR ISOLATED AREAS

Webinar Rural Pact Support Office
“Enhancing Access to Health Services in Rural Areas”
30 Nov 2023

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under Grant Agreement No 101017606

WHAT IS ROSIA?

ROSIA

WHAT IS ROSIA?

ROSIA is a European project funded through the Horizon 2020 program.

Topic: Pre-commercial Procurement (PCP) for Digital Health and Care Solutions. Funded by the EU with EUR 5,5 million

It has an execution period of 54 months, from Jan 1,2021 to Jun 30, 2025

ROSIA involves 12 partners across 5 countries, coordinated by IACS. ROSIA public procurers are **Servicio Aragonés de Salud** in Spain, **Centro Hospitalar e Universitário de Coimbra** in Portugal, and the **National Rehabilitation Hospital** in Ireland.

ROSIA project aims to design **future rehabilitation services for remote rural areas**, making sure those who live in the least populated areas, furthest from cities, have access to intelligent telerehabilitation services.

New technologies
Social and health services
Community resources
Rehabilitation specialists

In a nutshell …

An growing number of patients could **benefit from telerehabilitation**, especially in areas with low demographic density and an increasingly ageing population at potential risk of isolation. And there are evidence-based solutions supported by new technologies that could match the needs of the patients. However, there is no entry door for those apps and devices into the healthcare service.

ROSIA PCP is willing to **unlock the telerehabilitation market**: the goal is to develop the **ROSIA Ecosystem** and the ability of its **Open Platform** to implement integrated care models, and to ensure the seamless integration of the shared care plan with the services in its **Catalogue**.

The final purpose of this development is to implement ROSIA's telerehabilitation care model, based on the following cornerstones: **Telerehabilitation, Integrated Care, Patient empowerment and Value Based Healthcare.**

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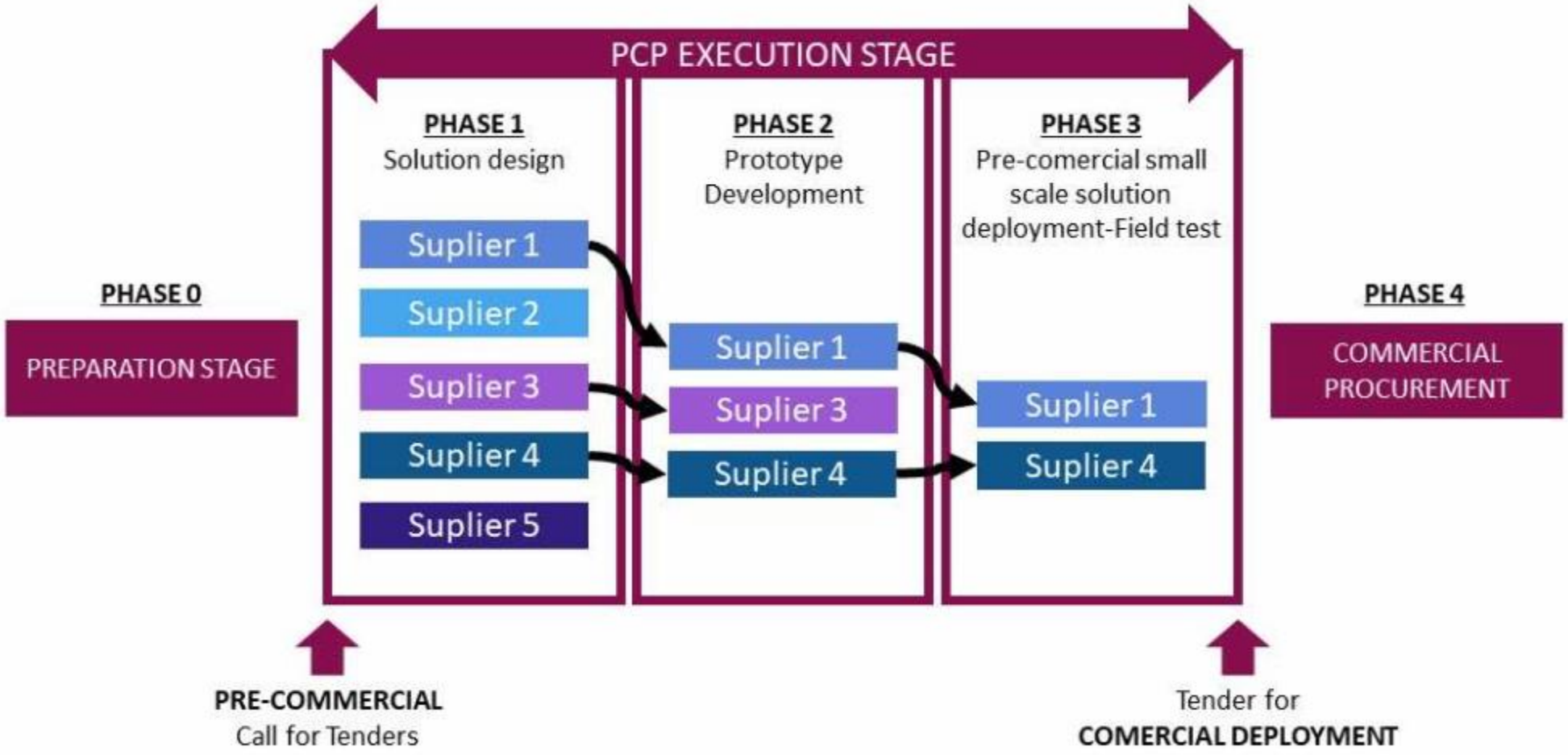
ROSIA IS A PCP: PRE-COMMERCIAL PROCUREMENT

ROSIA

ROSIA IS A PCP: WHAT IS IT AND HOW IT IS PERFORMED



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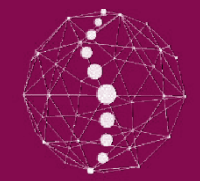
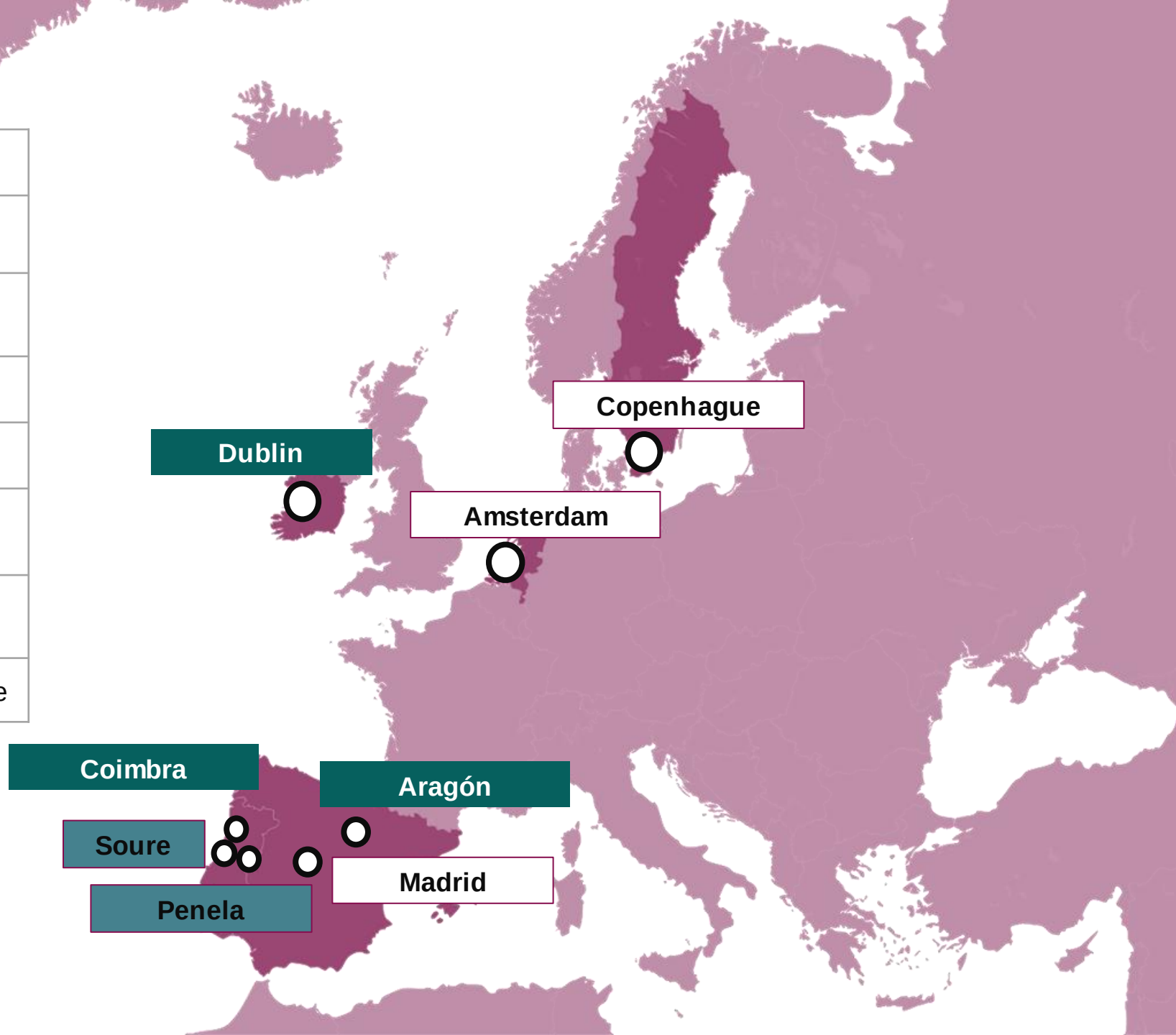
ROSIA: WHO WE ARE



ROSIA

Spain	Instituto Aragonés de Ciencias de la Salud / salud	Aragón
	iexp / VALDE INNOVA	Madrid
Portugal	CHUC / IPN	Coimbra
	município de SOURE	Soure
	penela	Penela
Ireland	NRH National Rehabilitation University Hospital	Dublin
The Netherlands	THE DECISION GROUP / IFIC International Foundation for Integrated Care	Amsterdam
Denmark	PRON.XYZ	Copenhague



Procurer location

ROSIA BUYERS GROUP

ROSIA buyers' group represents three different European healthcare systems: **SALUD**, a regional authority from **Aragon**, **Spain**; **Coimbra Univ. Hospital** from **Portugal** and the **National Rehabilitation Hospital** from **Ireland**.

Validation of the solutions proposed and developed by the companies participating in the PCP will take place in two shires/sites per country.

salud servicio aragonés de salud

NRH National Rehabilitation Hospital

CHUC CENTRO HOSPITALAR E UNIVERSITÁRIO DE COIMBRA

IACS Instituto Aragonés de Ciencias de la Salud

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WHY ROSIA?

ROSIA

The needs

The Public Health system in Europe is in need of:

- Facilitating the rehabilitation of patients for whom travelling is a burden by using **telerehabilitation services under the clinicians' supervision**.

- Extending the rehabilitation period for those patients who could benefit from it by **developing self-management and self-care supported by technologies and services**.

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Shortcomings in Health care systems for rehabilitation of patients

There is no public healthcare system that currently deploys self-management rehabilitation in a large scale

- **Lack of coordination** among different healthcare services and levels.
- **Lack of resources** that prevents rehabilitation pathways to be completed at hospitals or locally.
- **Lack of follow up**, that prevents adapting rehabilitation to patients' progress.
- **Geographical dispersion** of patients, who often must travel long distances for rehabilitation.
- **Fragmented care models and diversity of ICT health systems** imply difficulties to integrate already existing solutions. Regulatory entry barriers and lack of interoperability or use of standards needed to scale.

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How is ROSIA trying to solve the challenges?

- Making available the **entry to the telerehabilitation market** of disruptive technological solutions.
- Enabling **data driven insight interventions for self-management**
- Implementing a **flexible model to build personalized integrated care**
- Strengthening the role of **the community**
- **Empowering patients**.
- Validating and generating **evidence of value** of the telerehabilitation model,
- Creating an **Open platform**, including a governance model
- Generating a business model for the **long-term sustainability** of the ROSIA care model

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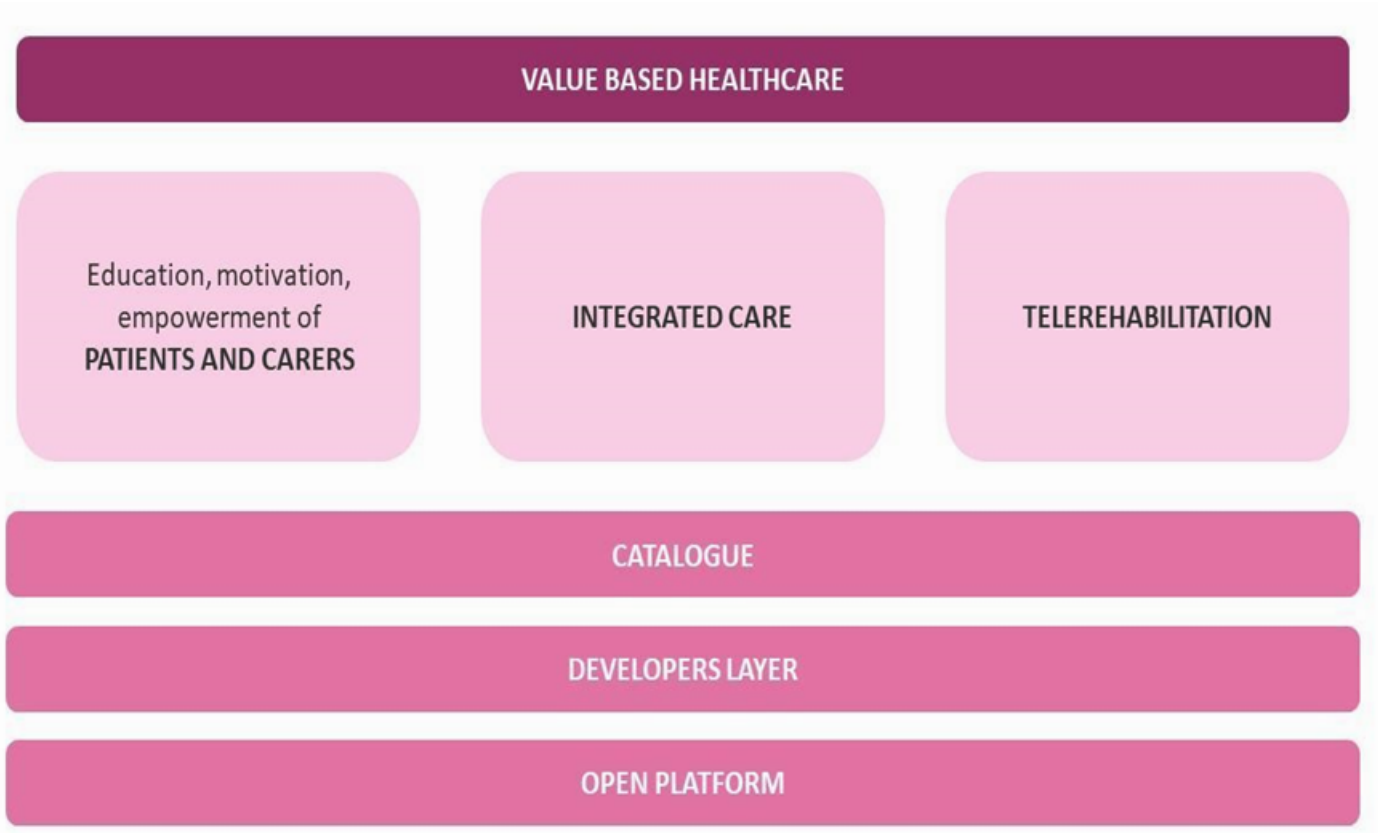
ROSIA building blocks



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PARTICIPATION OF END-USERS

ROSIA

PARTICIPATION OF END-USERS

PHASE 0: Workshops

with healthcare professionals and patients: unmet needs and users requirements

PHASE 2: Demonstration of prototypes

to groups of healthcare staff and expert patients from the 3 procurers

Storyline based on use cases defined in ROSIA

Platform demonstration based on roleplaying perspective:

- Healthcare team
- Patient and family
- Developers who want to offer their applications

Videos and questionnaires shared with expert end-users for feedback

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Next: PHASE 3 (2024-25): field testing

Field testing of 2 selected solutions in the premises of all the procurers in the buyers group (2 sites per procurer)

VALIDATION SITES	SALUD Aragon	NRH Ireland	Coimbra University Hospital
Validation sites	Comarca Somontano and Teruel	Patients served by HSE Community Health Organisations 6 & 7	Penela and Soure

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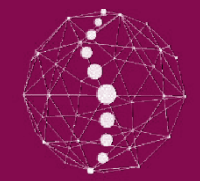
POLICY RECOMMENDATIONS



ROSIA

Policy recommendations to implement the ROSIA solution

- Increase **connectivity** in remote or isolated areas and **foster digital skills** of patients, especially the elderly.

- Improve health services and **empower healthcare staff** in remote or isolated areas:

- attract healthcare professionals to rural communities
- inspire and engage students and young clinicians to opt for rural health
- improve the health staff working conditions in these areas.

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Co-funded by the European Union

https://rosia-pcp.eu/

https://twitter.com/ROSIA_PCP

SOCIAL MEDIA

https://www.linkedin.com/company/rosia-pcp/

https://www.facebook.com/ROSIA.PCP/

R O S I A

REMOTE REHABILITATION SERVICE FOR ISOLATED AREAS

THANK YOU

IACS Instituto Aragonés de Ciencias de la Salud · salud servicio aragonés de salud · NRH National Rehabilitation University Hospital · CHUC Centro Hospitalar e Universitário de Coimbra · VALDE INNOVA · IPN Instituto Pedro Nunes · IFIC International Foundation for Integrated Care · The Decision Group · iexp Instituto Experiencia Paciente · PPCN · penela Município · Município de Soure