



# Radar PPI, Rapid Detection and control system for Antimicrobial Resistance

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Co-funded by the COSME programme  
of the European Union



# AMR Problematic

## The Problem

### Antimicrobial Resistance (AMR)

In 2019, **4.95 million** people died from illnesses in which bacterial AMR played a part. **1.27 million** as direct result of AMR.

More deaths than cancer by **2050**

High economic burden: **1.5 billion** euros annually in healthcare costs and productivity losses in EU

The ways we treat illnesses now will endanger our health in the future

## The Need

To respond Joint Action on Antimicrobial Resistance (EU-JAMRAI) and EU Action plan (2017-2020):

Improve early detection systems to ensure **quality care process**

Screen drug-resistance and virulence to improve **treatment effectiveness**

**Reduce** both Healthcare and governmental **costs**

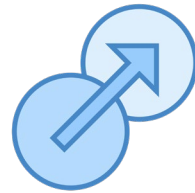
Report and rapid communication system to **increase system resilience**

# Follow up of ANTI-SUPERBUGS PCP



The ANTI-SUPERBUGS PCP buyers group challenged the market to develop **novel medical technologies** that will:

- Rapid detect the presence of MDROs in the hospital premises.
- Improve the appropriateness of antibiotics usage
- Reduce the community and social care impact of Hospital-Acquired Infections.



- ▶ Extend and leverage from the outcomes of ANTI-SUPERBUGS PCP
- ▶ New research and development arising from the pandemic crisis caused by Covid-19
- ▶ New procurement organisations' specific needs
- ▶ Develop new reimbursement models



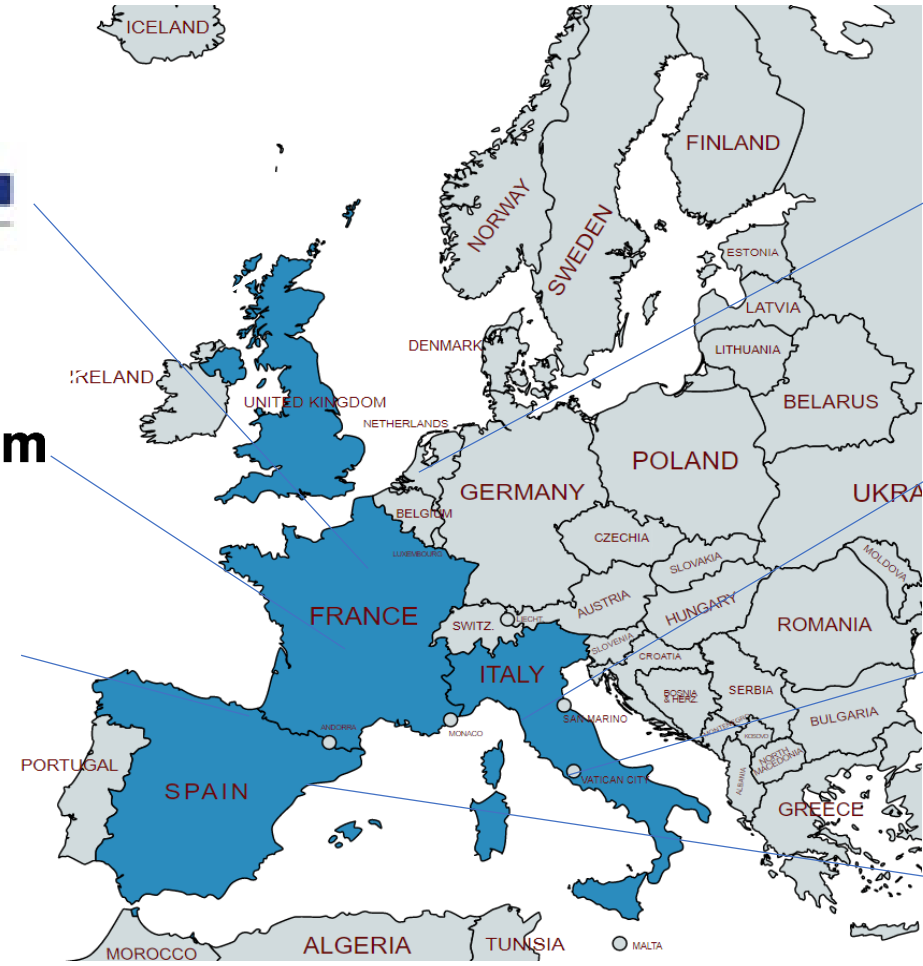
# Consortium

## Buyers

1. RESAH (Lead Procurer) - France
2. Basque Health Service - Spain
3. Oncology Institute of Catalunya - Spain
4. Universidad de Nápoles Federico II - Public Health Department – Italy

## Supporting Entities

5. AQuAS (Coord) – Spain
6. INSERM – France
7. INSME – Italy
8. JERA- UK
9. BD-HRI- Spain



# Collaborative cross-border procurement model



Individual tendering per locality

Coordinated contract execution



January 2022 – April 2023

September 2022 – April 2023

October 2023 – March 2024

April 2024 – December 2025

# Preliminary Clinical Demands



## Rapid & Accurate Detection

1

Identifying the specific MDRO and the resistance phenotypes and / or genotypes

2

Solutions for application different areas (microbiology labs, PoC, primary care)

3

Be easy to use and minimally invasive of patients, while maintaining safely and accuracy of results.



## Smart AMR Management

1

Transfer detection results to the right people in 'real time' in a way that elicits a prompt and informed response.

2

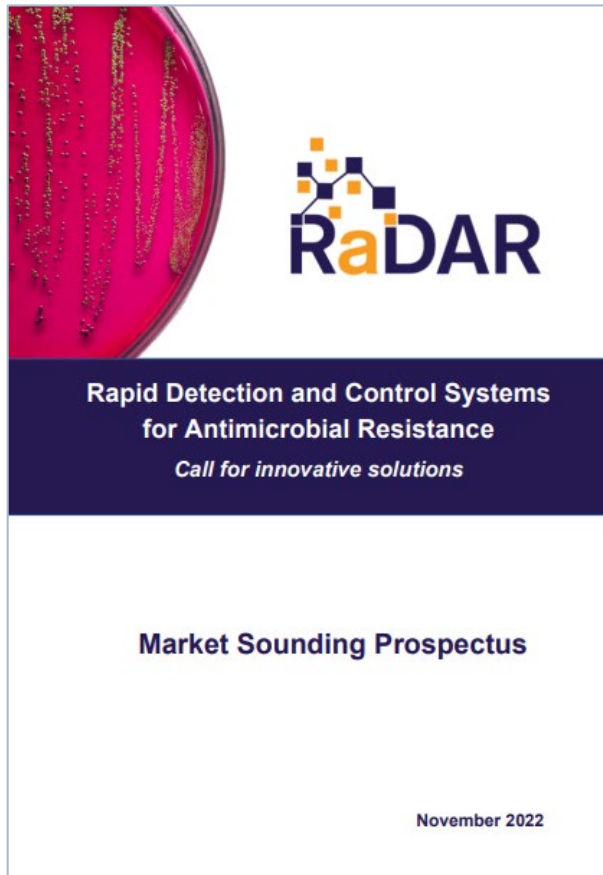
Enable the secure storage and clinical access to pertinent information about a patient's AMR status.

3

Be integrated within the organisations clinical and AMR management workflow and interface with existing IT systems



# Market sounding launch



## Purpose

- Explore what solutions are or could be available
- Understand the timeframes over which these solutions can be mobilised or become available
- Inform the buyers group as to how they can support suppliers and innovators to deliver innovative solutions to meet these needs.

## Invited to complete a Response Form



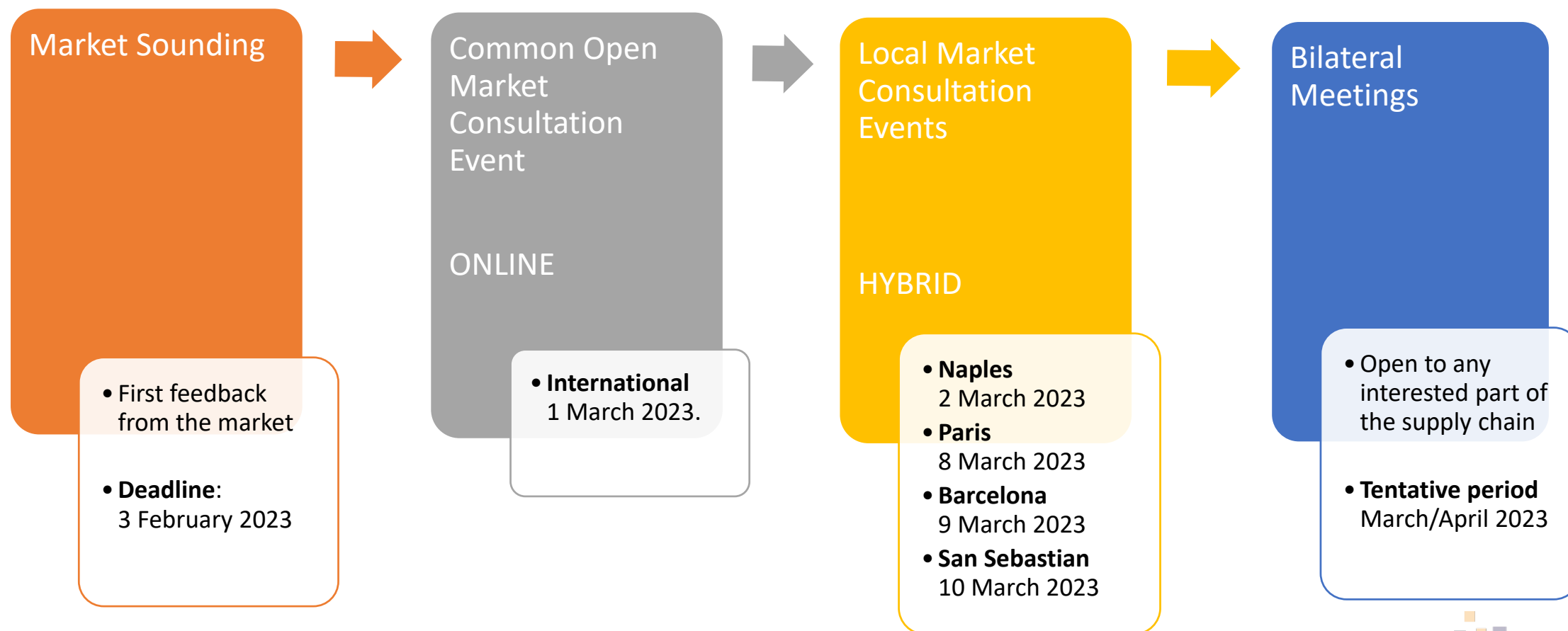
February 3<sup>rd</sup> 2023

\*Available in RaDAR project website










# RaDAR Market Readiness Assessment



# How to get involved in RaDAR?

## Challenge-agnostic results for a PCP/PPI

- 1 Patient-level results**
  - a) PROM
  - b) PREM
  - c) Determinants of health
  - d) Long-term treatment improvement
- 2 HC-Professionals-level results**
  - a) Benefits healthcare providers
  - b) Workplace environment / culture
- 3 HC-Provider results**
  - a) Organizational aspects
  - b) Costs
  - c) Process
  - d) Technological aspects
- 4 Health System-level results**
  - a) Economic sustainability
  - b) Safety and sustainability
  - c) Long-term treatment improvement
- 5 Socio-economic-level results**
  - a) Social determinants
  - b) Economic evaluation and HTA

1

Response Form of the MSP

2

Forum of Interest on AMR

3

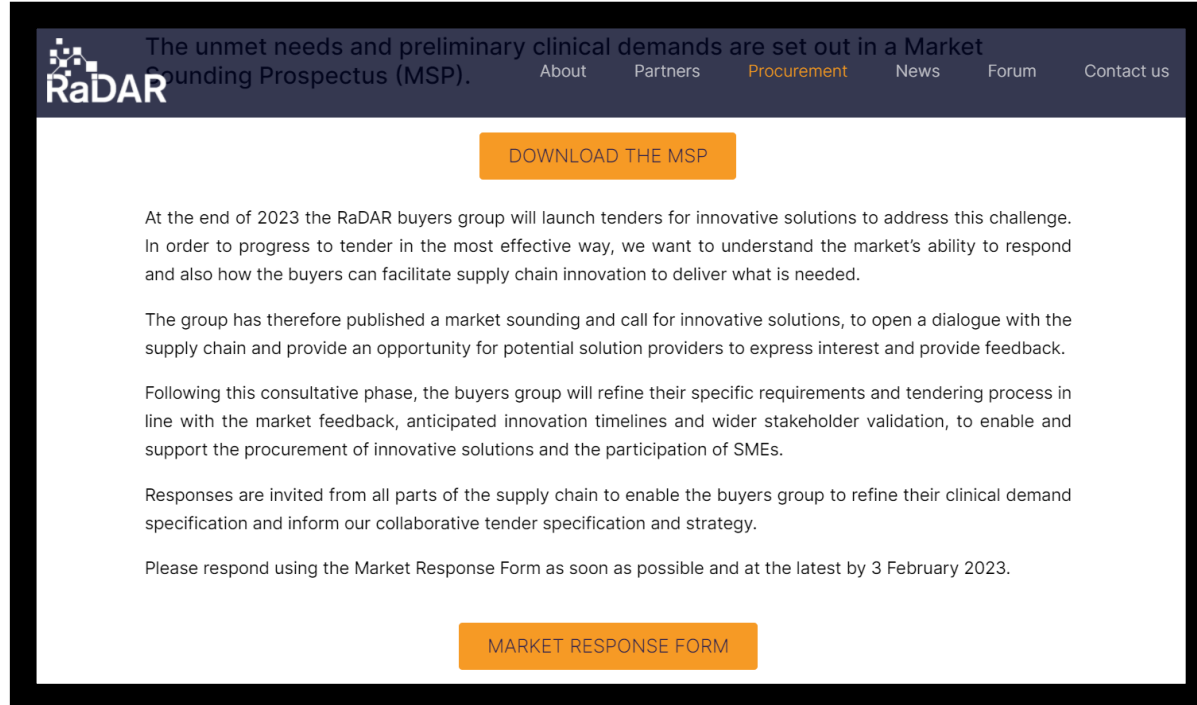
Project Website, LinkedIn, Twitter in RaDAR

# What you can do?



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## RaDAR Website Procurement Section

A screenshot of the RaDAR website's procurement section. The page has a dark blue header with the RaDAR logo on the left and navigation links: 'About', 'Partners', 'Procurement' (highlighted in orange), 'News', 'Forum', and 'Contact us'. Below the header, there is a white main content area. At the top of this area is an orange button labeled 'DOWNLOAD THE MSP'. Below the button is a paragraph of text: 'At the end of 2023 the RaDAR buyers group will launch tenders for innovative solutions to address this challenge. In order to progress to tender in the most effective way, we want to understand the market's ability to respond and also how the buyers can facilitate supply chain innovation to deliver what is needed.' This is followed by another paragraph: 'The group has therefore published a market sounding and call for innovative solutions, to open a dialogue with the supply chain and provide an opportunity for potential solution providers to express interest and provide feedback.' Then a third paragraph: 'Following this consultative phase, the buyers group will refine their specific requirements and tendering process in line with the market feedback, anticipated innovation timelines and wider stakeholder validation, to enable and support the procurement of innovative solutions and the participation of SMEs.' Next is a fourth paragraph: 'Responses are invited from all parts of the supply chain to enable the buyers group to refine their clinical demand specification and inform our collaborative tender specification and strategy.' Finally, a fifth paragraph: 'Please respond using the Market Response Form as soon as possible and at the latest by 3 February 2023.' At the bottom of the main content area is another orange button labeled 'MARKET RESPONSE FORM'.

# What you can do?



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**Rapid Detection and Control Systems  
for Antimicrobial Resistance**  
*Call for innovative solutions*



The screenshot shows the RaDAR website page for the Market Sounding Prospectus (MSP). The page title is "The unmet needs and preliminary clinical demands are set out in a Market Sounding Prospectus (MSP)". The navigation menu includes "About", "Partners", "Procurement", "News", "Forum", and "Contact us". A prominent orange button labeled "DOWNLOAD THE MSP" is visible, with a red arrow pointing from it to the book icon. The main content area contains the following text:

At the end of 2023 the RaDAR buyers group will launch tenders for innovative solutions to address this challenge. In order to progress to tender in the most effective way, we want to understand the market's ability to respond and also how the buyers can facilitate supply chain innovation to deliver what is needed.

The group has therefore published a market sounding and call for innovative solutions, to open a dialogue with the supply chain and provide an opportunity for potential solution providers to express interest and provide feedback.

Following this consultative phase, the buyers group will refine their specific requirements and tendering process in line with the market feedback, anticipated innovation timelines and wider stakeholder validation, to enable and support the procurement of innovative solutions and the participation of SMEs.

Responses are invited from all parts of the supply chain to enable the buyers group to refine their clinical demand specification and inform our collaborative tender specification and strategy.

Please respond using the Market Response Form as soon as possible and at the latest by 3 February 2023.

At the bottom of the page, there is an orange button labeled "MARKET RESPONSE FORM".

**Market Sounding Prospectus**

November 2022



# What you can do?



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**Rapid Detection and Control Systems for Antimicrobial Resistance**  
*Call for innovative solutions*

**Market Sounding Prospectus**

November 2022

Read MSP



Fill in form



# What you can do?



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**Rapid Detection and Control Systems for Antimicrobial Resistance**  
*Call for innovative solutions*

Market Sounding Prospectus

November 2022

Read MSP



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MARKET RESPONSE FORM

Fill in form



Market sounding response & OMC registration form

Call for innovative solutions regarding the rapid detection and control of antimicrobial resistance in healthcare settings

Thank you for your interest in this Market Sounding exercise and in the forthcoming Open Market Consultation (OMC) events.

You can use this form to:



Register for OMC events

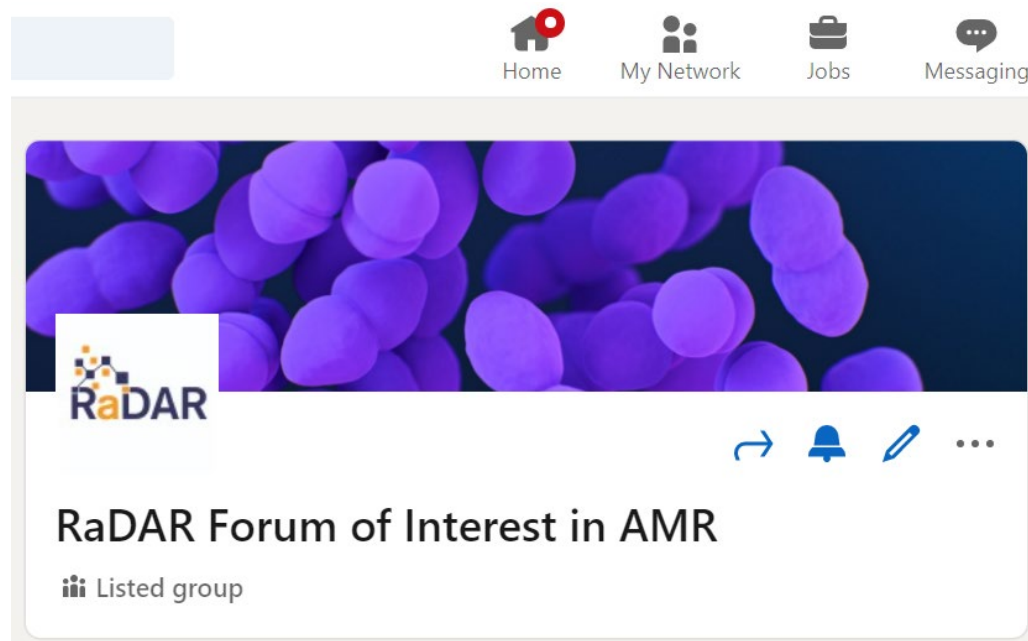


Sign up 1x1

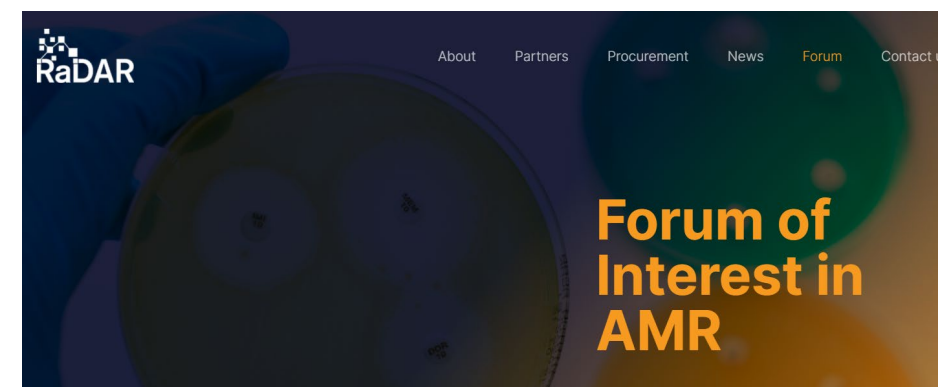




# Forum of Interest on AMR



Join, share and engage on the conversation around AMR!



One of the missions of the RaDAR project is building awareness of the challenges of AMR, reaching a better coordination at EU level to tackle AMR, building strong partnerships, sharing experiences and aligning approaches.

Specifically, the project's objectives are:

- to encourage cooperation between public buyers to promote the use of public procurement to contribute to the development of innovative solutions able to tackle their needs;
- To gather complementary knowledge from external organisations on the field of AMR;
- To create synergies with other organisations and/or initiatives and exchange lessons learned.



RaDAR Forum of Interest in AMR  
Listed group

To respond to these proposed objectives, RaDAR has developed a [Forum of Interest in AMR](#). The Forum provides an open platform to promote discussions and foster continuous communication and knowledge exchange on AMR, while building a sense of community between public buyers and other stakeholders. Members are therefore encouraged to share resources (articles, scientific publications, best practices, etc.) on the platform, which will also serve as an additional venue to share updates on RaDAR's progress.

The end goals of the Forum are to ensure engagement with targeted stakeholders and promote the use of public procurement and encouraging cooperation towards the development of innovative solutions to face





# Let us start this co-creation!



1

Vaya a [wooclap.com](https://wooclap.com)

2

Ingrese el código de evento en el banner superior

Código de evento  
**RADARAMR**



1

Envía [@RADARAMR](https://twitter.com/RADARAMR) al 986 08 06 74

2

Ya puedes participar

 [Copiar enlace de participación](#)



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Take part in this innovative  
approach for collaborative action!



LinkedIn



Twitter

Webpage : [www.radar-ppi.com](http://www.radar-ppi.com)