



RaDAR Info Day Institut Català d'Oncologia

This presentation is an indication of a potential future procurement activity and is subject to change until the publication of the RfT

All the information regarding RaDAR project will be published on the following website:

<https://radar-ppi.com/>





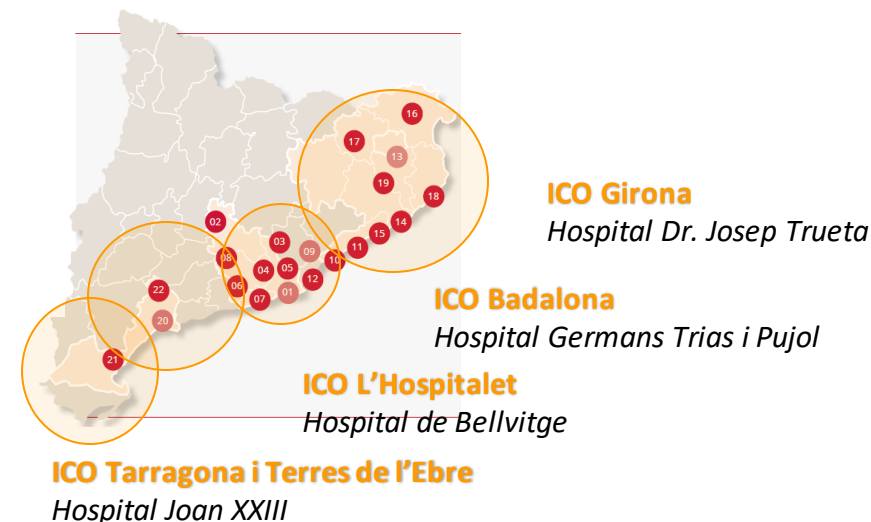
Co-funded by the COSME programme of the European Union

ICO - Institut Català d'Oncologia








The **Catalan Institute of Oncology (ICO)** is a public non-profit centre working almost exclusively in the field of cancer.

Its approach to the disease is **comprehensive**, combining, all in one organisation: **Prevention, Patient Care, Training and Research**



Activity ICO Hospitalet

Reference population 2.854.655 	Length of stay 8,1 	ER admissions (UACO) 3.662 
Beds 85 	Discharges 2.796 	Annual requests to microbiology laboratory (approx.) 67.700

Procurement budget

825.000 € (VAT included)

30% of the total procurement budget will be co-funded by the EC

Data from IDESCAT, ICO Sustainability Memory and VINCAT (average, 2018-2022)





Cancer and Antimicrobial Resistance

1.27 million deaths per year

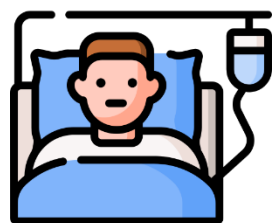
directly caused by AMR

4.95 million deaths per year

are associated with AMR

10 million people could die annually from **AMR** by 2050

Each year **4.6 million people** become **newly affected** by cancer in the WHO European Region while **12.9 million**, in total, **live with cancer**



“The growing cancer burden, in combination with increasing AMR, is a threat to every society in every country in the world and is thus a true wake-up call”. WHO 2020

Antimicrobials are essential for treating cancer patients

Biopsy

Surgery

Chemotherapy and Radiotherapy





The context in ICO



Onco-hematological patients -Immunocompromised



Speed is essential for the correct management and prognosis of the patient



- **Patients with more frequent antimicrobial treatment**
- **Medicalized**
- **Higher incidence of AMR**



External lab



Main needs

Rapid and Accurate Detection

- Identification of the microorganism, genotype and/or resistance phenotype
- Point of Care – connected with Central Laboratories
- Easy to incorporate into the routines of professionals

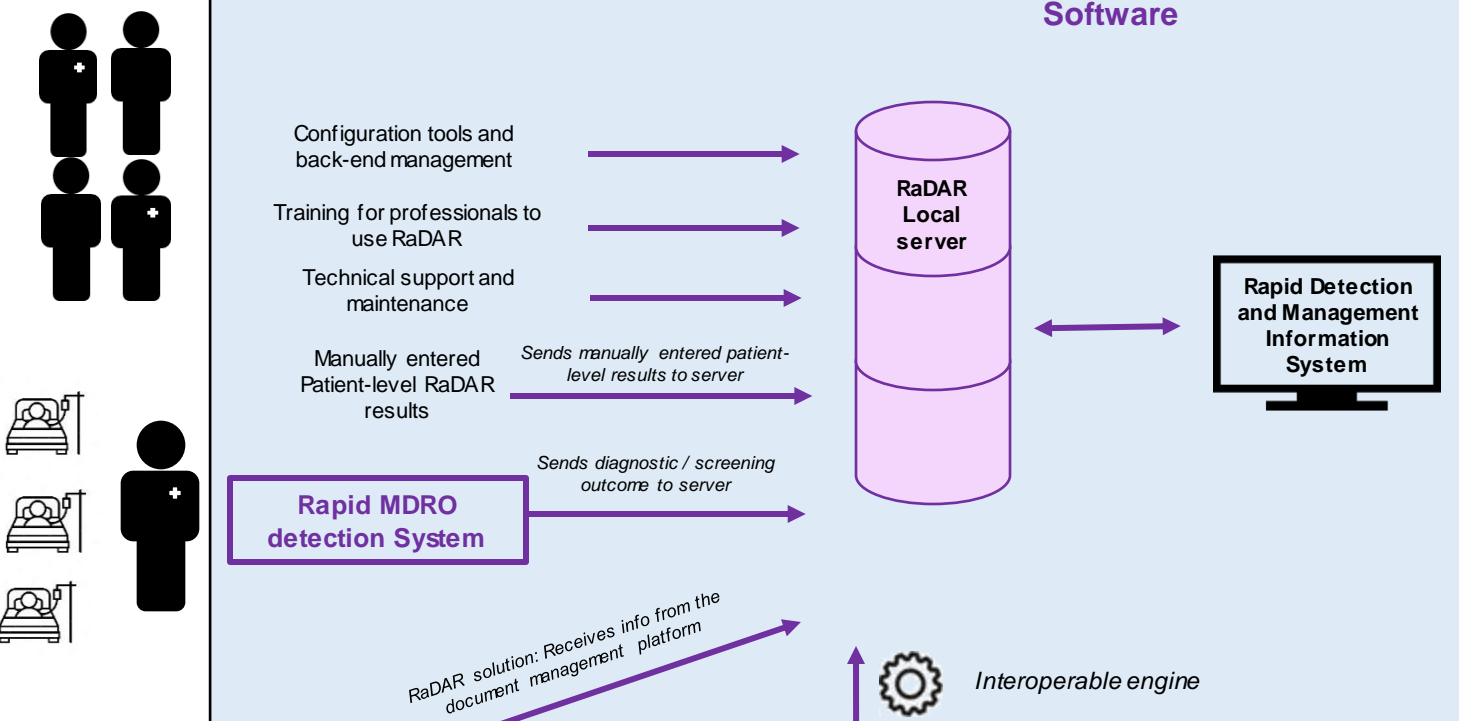
Smart AMR management

- Transfer detection results to the right people in 'real time' to elicit a prompt and informed response
- Be integrated within the organisations' management workflow, and interface with existing IT systems
- Facilitate decision making

RaDAR solution

collect, retrieve by interoperating (His), store, process and visualize

Software



Infection prevention control and Stewardship & Treatment and Management Appropriateness

- Patients data information visualization
- Real time result communication
- Patient follow-up and task assignment
- Access to guidelines and protocols
- Incentivize the adherence to guidelines and protocols
- Structured data collection and visualization
- Remote support from the stewardship team and/or other key stakeholders

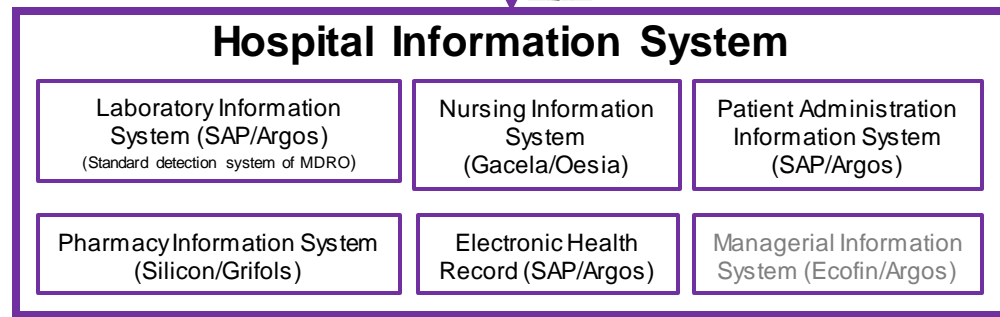
Users with access:

- Near to patient healthcare professionals
- Microbiology team professionals
- Pharmacy team professionals
- Stewardship team - Onsite management
- Financial management team

The system includes

- Assessment of RaDAR user access, maintenance and training
- RaDAR performance monitoring system

Digital guidelines and protocols



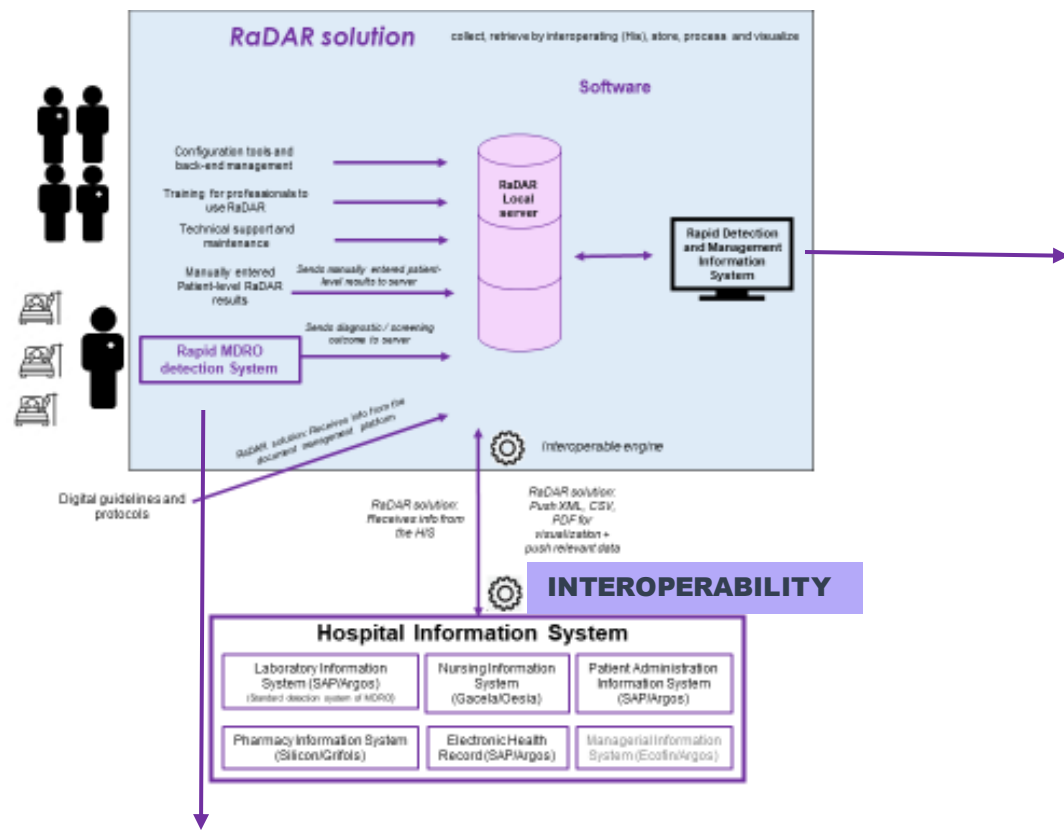
Object of the Contract

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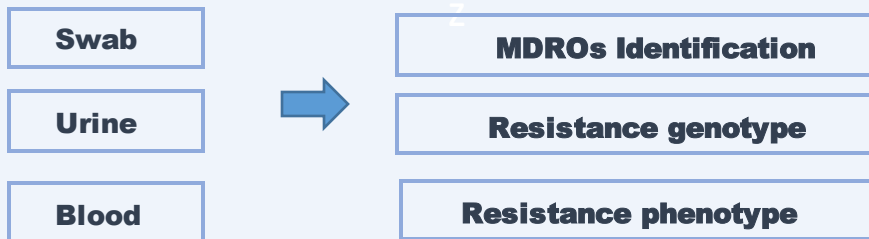
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RAPID DETECTION SYSTEM:

Direct from sample (e.g.):



IT SYSTEMS TO MANAGE AMR - SOFTWARE

Communication



Monitoring

1. Rapid Detection and Management information system

Visualization of patients key information / patient data summaries:
(Previous infections and colonizations, antimicrobial consume, relevant clinical information, microbiology results)

Real time communication of results
(Includes RaDAR rapid detection system results and laboratory results)

Follow-up of patients and assignment of tasks between professionals

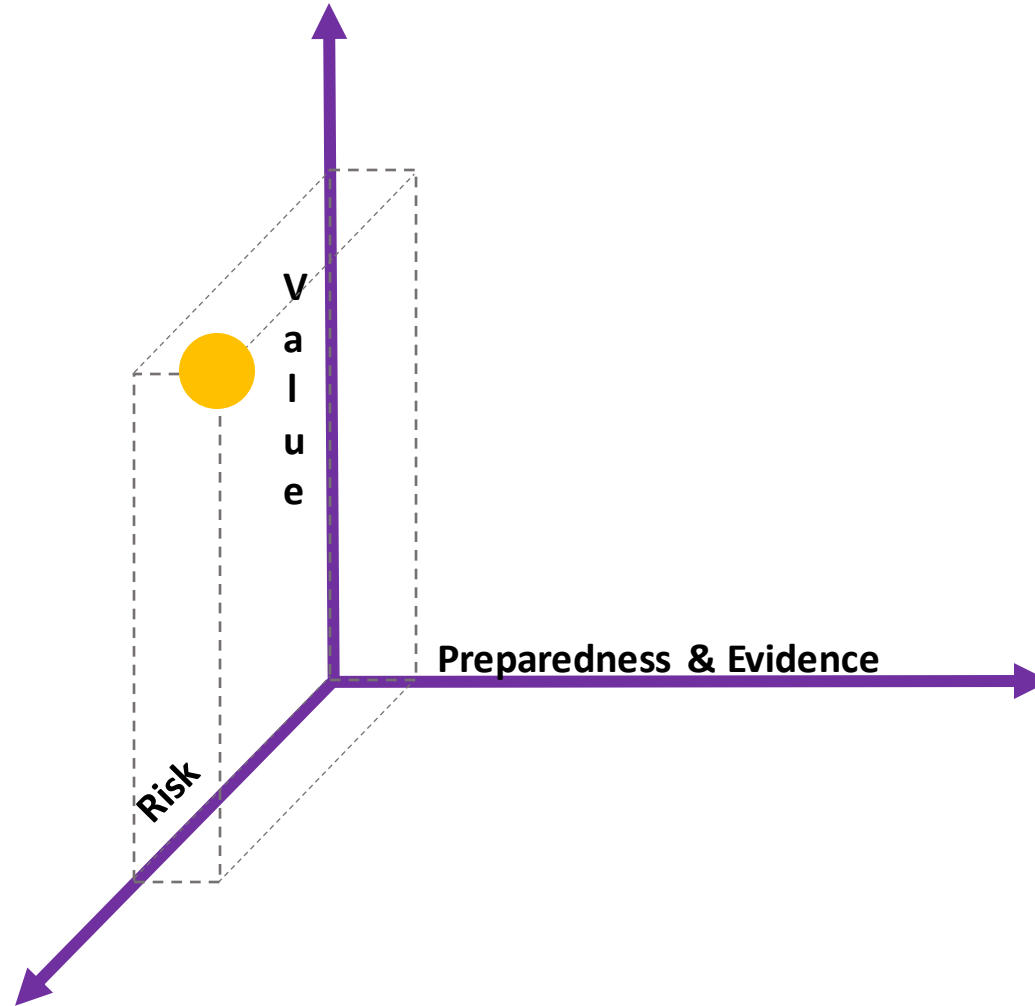
User-friendly access to local guides and protocols

Facilitate support and communication between healthcare professionals

Repository and visualization of microbiological data (RaDAR detector and laboratory), to support local management

Repository, analysis and visualization of data related to the use, performance, maintenance and training of the RaDAR solution

Levels of ICO value, risk, preparedness and evidence



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Thank you!

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