# Two HealthChain Open Calls



**HOW TO BECOME A HEALTHCHAIN**
**MIRROR REGION SME**

Call for SMEs to co-create and pilot healthcare digital solutions!

Date: **Jun 25, 2024**
Time: **10:00 CET**

*INFORMATIVE WEBINAR*

**Now live!**



*INFORMATIVE WEBINAR*

**HOW TO BECOME A HEALTHCHAIN FOLLOWER SME**
OPEN CALL FOR SMEs

**REGISTER NOW**

**Date**: June 18th, 2024
**Time**: 10:00 CET

*Online event*

**Watch the recording**

# HEALTHCHAIN

## Housekeeping rules

**This session will be entirely recorded** and will be available on HealthChain channels 1-2 days after this session.

All participants should be **muted.**

Feel free to post your questions in the **zoom Q&A box.**

# Content

# HEALTH**CHAIN**

# THE PROJECT IN A NUTSHELL

# 01

# HEALTHCHAIN

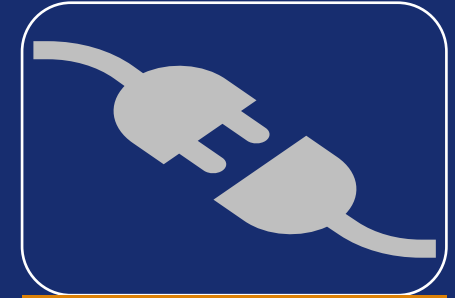| | | |
|---|---|---|
| **01** | **CALL** | **I3-2021-INV2a** |
| **02** | **START – END DATE** | **01 Jan 2023 – 31 Dec 2025** |
| **03** | **ESTIMATED COST** | **€9,630,001.07** |
| **04** | **REQUESTED EU CONTRIBUTION** | **€6,741,000.67 (70%)** |
| **05** | **COORDINATOR** | **TICBIOMED** |

# What is HealthChain?

## A NEW INNOVATION MODEL

- Increases the capacity of healthcare organisations to innovate

- Results in digital solutions with a higher success rate

- Increases and speeds up the internationalisation processes of companies

**HEALTHCHAIN**

**ECOSYSTEM ENABLED**
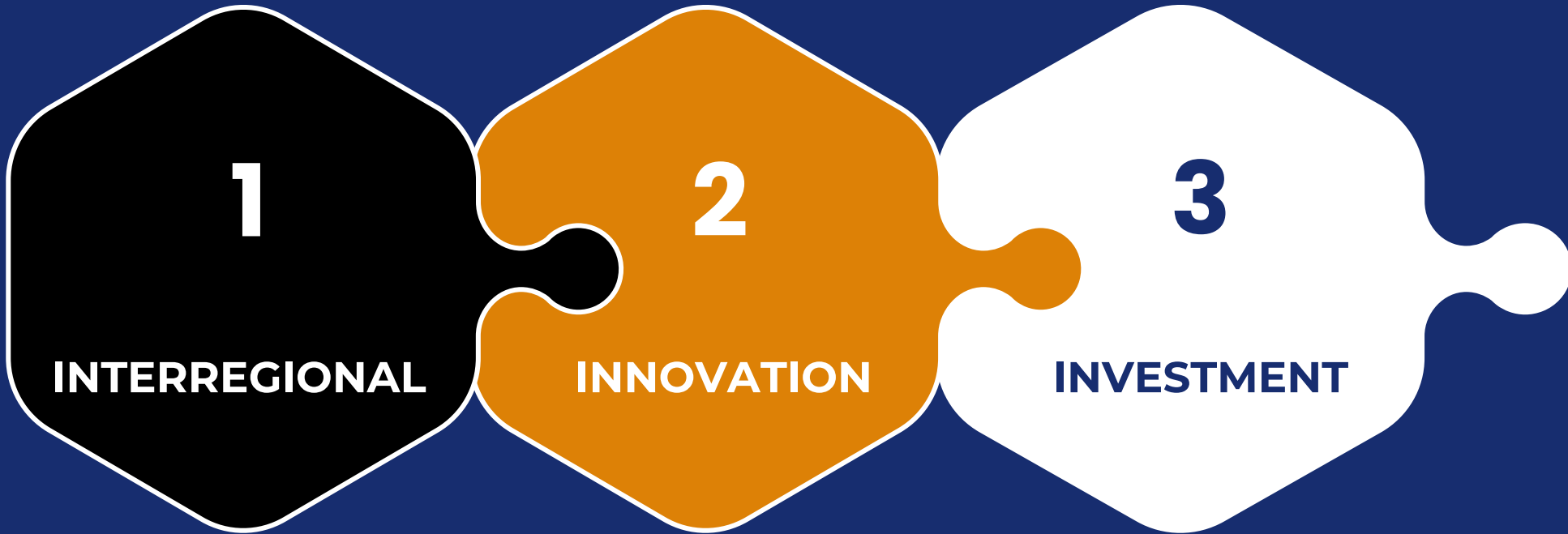Setting up structured links between stakeholders

**DEMAND DRIVEN**
Solutions for unmet needs

**CO-CREATIVE**
Connecting demand and supply side

**GEARED TO ADOPTION**
Commitment to procure

# HEALTHCHAIN

## Interregional component

Each region brings together the same structure of partners and roles:

- **A Healthcare Organisation (HO)** with the role of challenge identifier.
- **IT companies** with the role of challenge solver.
- A regional **Ecosystem Supporter (ES)** providing business support and leading the connection between cross-border regions.

**Solver**

**Challenge identifier**

**Ecosystem supporter**

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# HEALTHCHAIN

## 10 regional ecosystems

**Romania**
North-West Romania

**Greece**
Western

**The Netherlands**
East Netherlands

**Belgium**
Flanders

**Croatia**
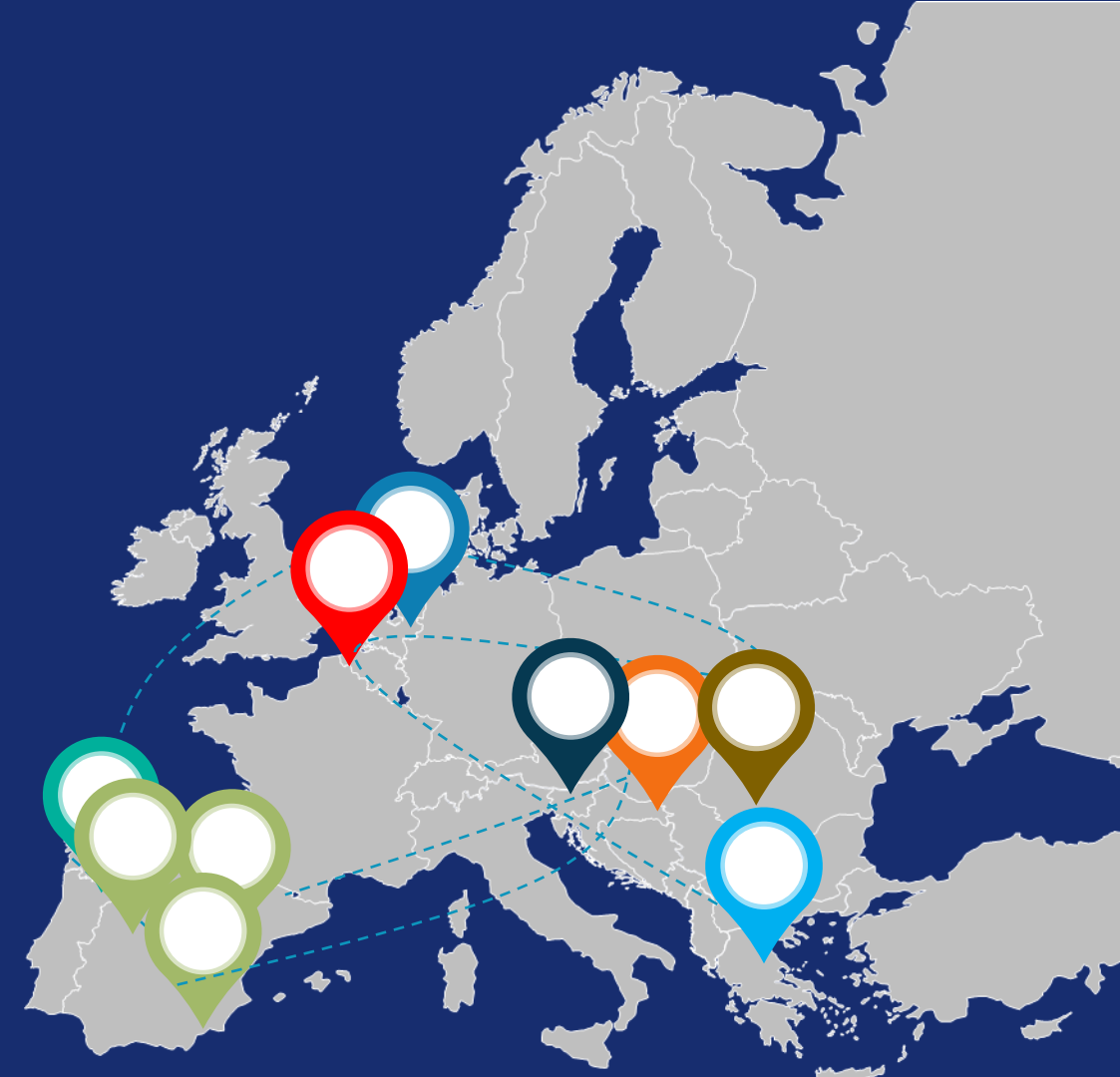Primorsko-Goranska

**Portugal**
Centro

**Spain**
Murcia | Navarra | Castilla y León

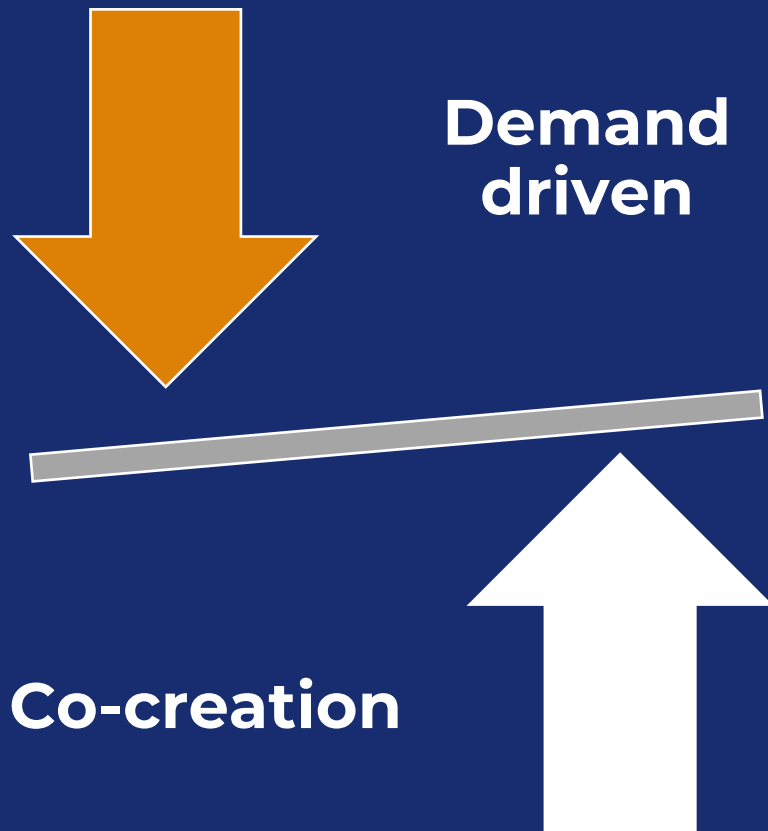**Slovenia**
Western

Increasing the capacity of regional innovation ecosystems in emerging regions to participate in global value chains

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# Innovation component

**Demand driven**

**Co-creation**

Increases the capacity of healthcare organisations to innovate

Improves the delivery of healthcare services

Results in digital solutions with a higher success rate

Increases the competitiveness of the EU companies

Increases and speeds up the internationalisation processes

HEALTH**CHAIN**

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# Investment component

Local value chain

$+$

Crossborder value chain

$=$

**Untap private & public investments**

**To align investment pipelines to create collaboration opportunities**

To improve the efficiency of the available funding: **Business & Investment Plan**

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# THE OPEN CALL FOR SMEs

# 02

**HEALTHCHAIN**

# The 5 Mirror Regions

**Romania**
North-West Romania

**Spain**
Navarra | Castilla y León

**Greece**
Western

**Belgium**
Flanders

**I3** Interregional Innovation Investment **Instrument**

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# Mirror Regions Open Call for SMEs

**Select and support SMEs to co-create a solution addressing the specific innovation needs (Challenges) identified by the Mirror Regions healthcare organisations (Challengers).**

## BENEFITS FOR AWARDED SMEs:

- Jointly co-create and pilot an innovative solution with the Mirror Region stakeholders for 12 months.
- Access funding up to 50.000 EUR equity-free.
- Get expert support on business modelling and market insights, and access to networks and resources.
- Network with other European SMEs and organisations in the HealthChain consortium and explore opportunities for forthcoming projects.

# HEALTHCHAIN

# Overview

| 01 | APPLY BEFORE | **August 5th 2024** 17.00 CET |
| 02 | FINANCIAL SUPPORT | **€50,000** budget per SME |
| 03 | AWARDED APPLICANTS | **5 SMEs** (1 per challenge) |

https://healthchain-i3.eu/mirror-regions-call-smes/

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# 1) Preparing an application

# Open Call documentation kit

**Documents to apply**

- Guidelines for applicants
- Annex 1 Challenges
- Annex 2 Proposal template

**Online platform**

F6S

**Documents to be provided by the selected SMEs**

- Annex 3 Declaration of Honour
- Annex 4 Bank account information
- Annex 5 SME declaration
- Annex 6 Sub-grant agreement

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Edit Cover

HealthChain Mirror Regions Call for SMEs ✓

Boosting value chains in Health at regional and EU level ✏

Elena & María + 1                    Apply Now by Aug 5                    DISCUSS

You know 1 connection

Share Update    Share Media    Share KPIs

Start a conversation - Post something now

Share

# F6S blog

- HealthChain provides information to the applicants via the **F6S blog**, so that the information (question and answer) can be visible to all participants.

- Please, make your questions directly on the F6S page.

- HealthChain partners will get back to you as soon as possible via that same page:
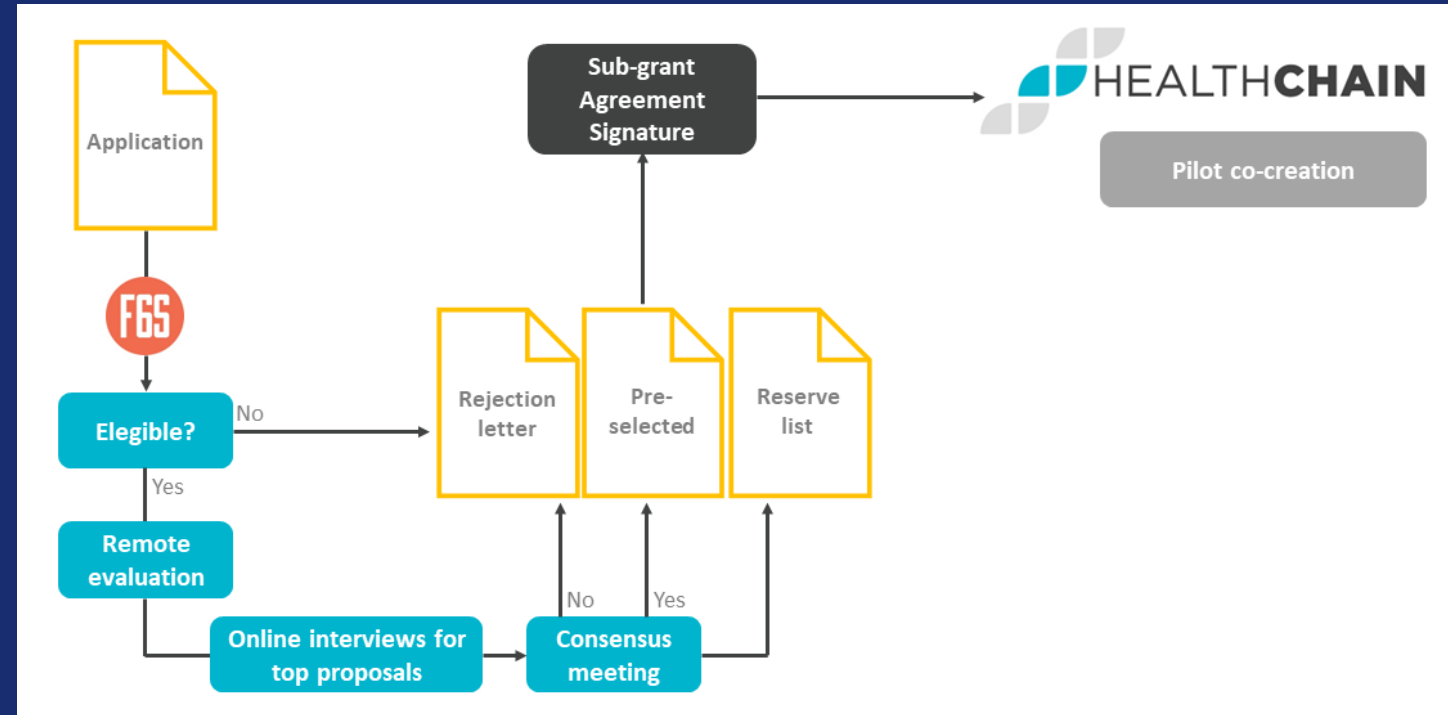
https://www.f6s.com/healthchain-mirror-regions-call-for-smes/discuss

I3 Interregional Innovation Investment Instrument    Co-funded by the European Union
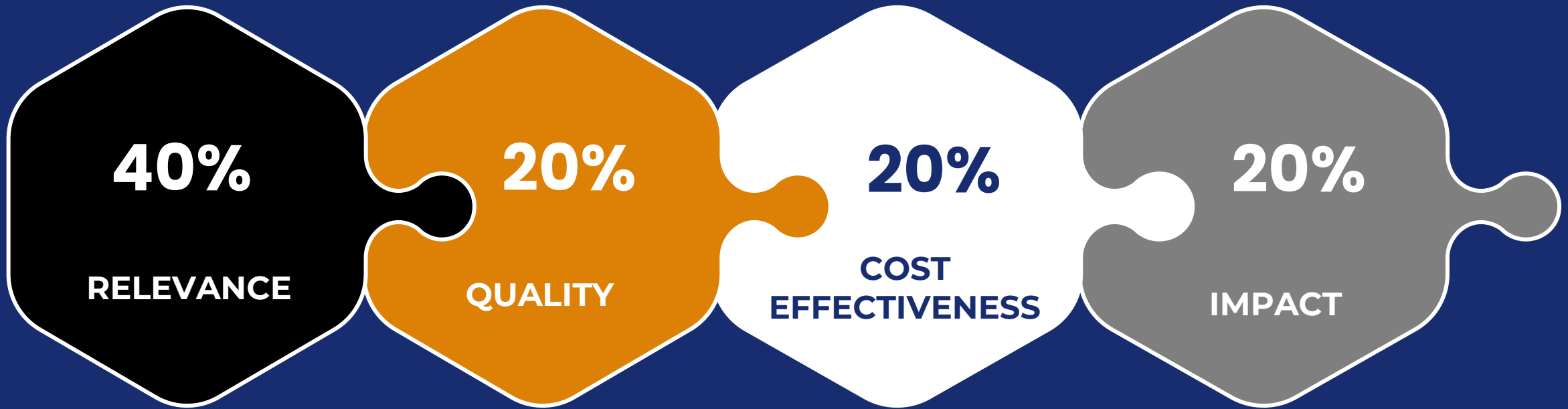
# Evaluation process

1. Eligibility check
2. Remote evaluation
3. Online interviews (top 2 applications per challenge)
4. Consensus and final scores
5. Final ranking and selection

# Evaluation committee

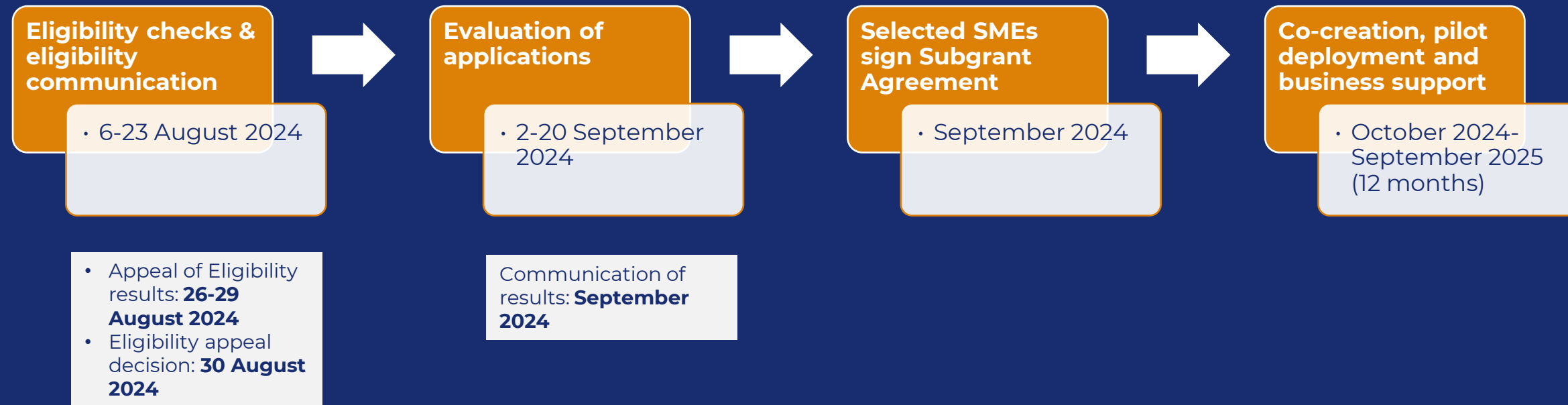Set up with the Mirror Region including the Challenger and Ecosystem Supporter

# Evaluation criteria

**40%** RELEVANCE

**20%** QUALITY

**20%** COST EFFECTIVENESS

**20%** IMPACT

See the guidelines for applicants for further details.

# 3) Becoming a selected SME

# Deliverables to be submitted

**D1.1. Co-creation Agreement and Pilot Action Plan | October 2024**

Report outlining the **objectives, activities, timeline, and resources** for testing the innovative solution before its implementation.

**D1.2. Interim report on co-creation & pilot deployment | March 2025**

Report **describing the implementation of the activities**, including co-creation sessions held, the status of the pilot deployment and results achieved at this stage.

SMEs will provide the **draft business model** for the commercialization of the developed solution.

**Interim Review meeting**
April 2025

**D1.3. Final report on co-creation and pilot deployment| September 2025**

Report presenting an **overview of the implementation of the activities**, including co-creation sessions held, pilot deployed, and results achieved.

Leading and follower SMEs will provide the **business model and go-to-market strategy** for the commercialization of the developed solution.

**Final Review meeting**
October 2025

# THE MIRROR REGIONS & THEIR CHALLENGES

03

# HEALTHCHAIN

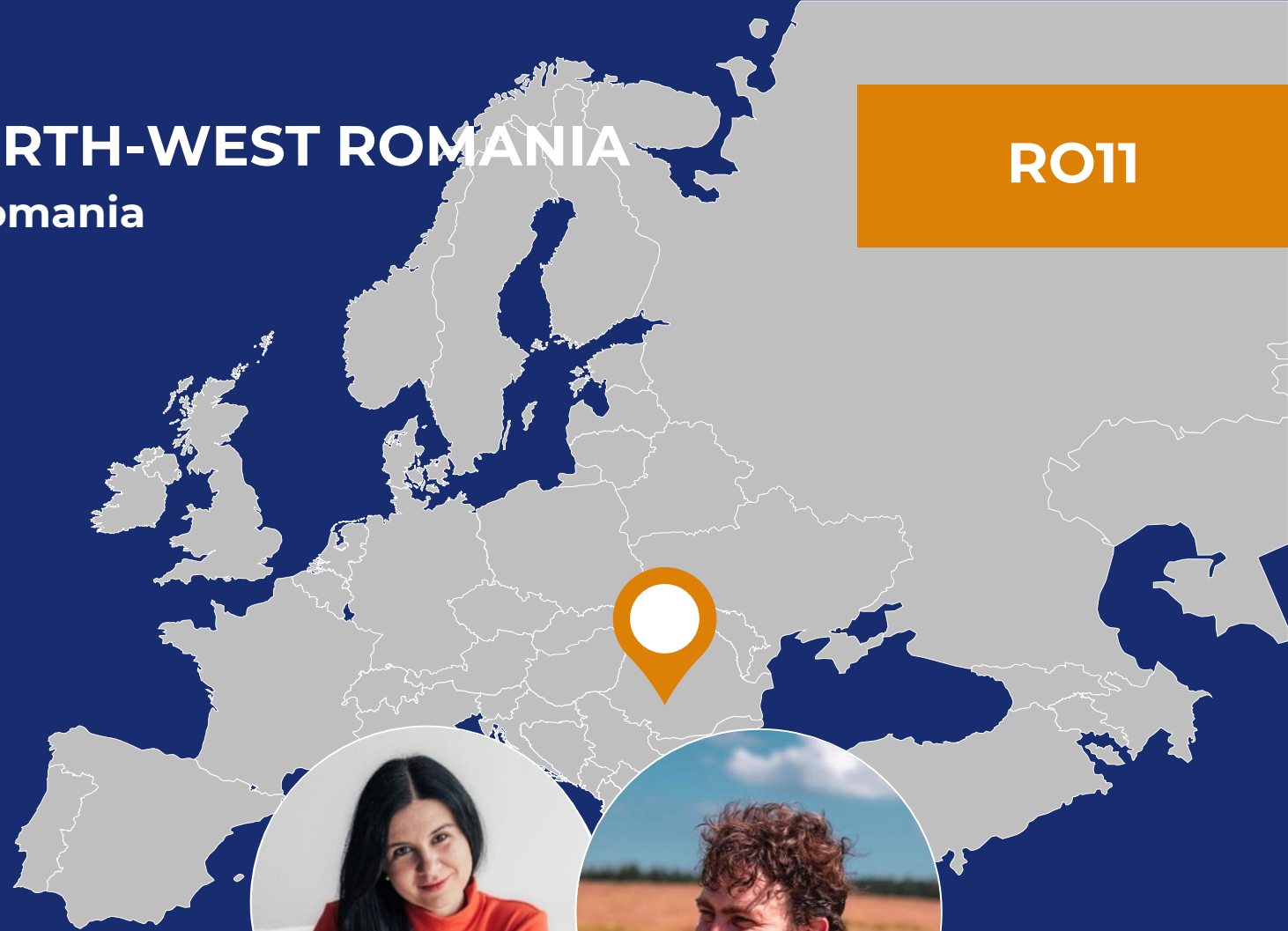## AITRIS
### Automated Imagery Tool Results for dIagnostic and Stadialisation

## CURRENT PROBLEM

- **100 000 new cancer cases** were expected in Romania in 2022
- Cancer patients require **periodic scans** to adapt and monitor the therapy.
- Radiologists perform **4-5 imaging** evaluations in a day, interpreting the results in a descriptive/narrative way.
- The evaluation from one scan to another is more **difficult to compare** in the descriptive/narrative way.
- The **RECIST** *(Response Evaluation Criteria in Solid Tumours) way of interpreting the results provides a simple and pragmatic methodology.*
- Having the image interpretation in both ways native and RECIST would be considered as **double the work** for radiologists.

## EXPECTED SOLUTION

A digital assistant that would help the radiologist:

- analyse scans,
- interpret images,
- write standardised radiology results containing both RECIST and narrative results

## KPIs TO BE MET

- **Improved Efficiency:** automating repetitive tasks
- **Enhanced Accuracy:** using advanced machine learning algorithms and image analysis techniques to identifying subtle abnormalities and lesions
- **Standardised Reporting:** facilitate the creation of standardised radiology reports, ensuring consistency and completeness in reporting across different radiologists and institutions.

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**HEALTHCHAIN**

**WESTERN GREECE**
📍 **Greece**

**EL53**

**Ecosystem supporter**
DOCTORSHELLO

**Challenger**
ΓΕΝΙΚΟ ΝΟΣΟΚΟΜΕΙΟ ΗΛΕΙΑΣ

**TRIME**
Multi-stage monitoring triage at home for Cardiovascular Diseases (CVDs)

Hara Pylarinou
DOCTORSHELLO

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# HEALTH**CHAIN**

## TRIME
Multi-stage monitoring triage at home for Cardiovascular Diseases (CVDs)

### CURRENT PROBLEM

- Several departments remain to be low staffed, struggling to cope with the needs of the patients and visitors seeking care attendance in the hospital
- Increased re-admissions
- Minimal outpatietns monitoring

### EXPECTED SOLUTION

- enable remote monitoring of patients experiencing basic post-operative or chronic conditions and need healthcare support at home
- support citizens with chronic needs and emergency cases where they require prompt care delivery in admissions in hospitals
- utilise telemetry systems for providing real measurements based on medical-grade equipment

### KPIs TO BE MET

- Reduce unnecessary transfers > 15%, by providing patients with home-based monitoring
- Reduction in the number of physical visits of patients to the hospital by 15%.
- Facilitate and increase the number of remote examinations by >10% for a more frequent and accurate monitoring and diagnosis

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# HEALTH**CHAIN**

## iMOTION
Virtual assistant for voice-activated emotional state recognition in palliative care patients)

### CURRENT PROBLEM

- Around 308,475 people need palliative care in Spain (20,011 in Castilla y León), of whom 126,640 (8,235 in Castilla y León) will require the intervention of specialised palliative care (PC) teams, although only 40% of them receive it.

### EXPECTED SOLUTION

- Effective and low-cost technological tools are needed to extend palliative care to rural areas, follow-up of patients at home, a flexible support network for patients and families, and better psychological assessment and intervention.

### KPIs TO BE MET

- Reduce emotional support calls by 20%.
- Reduce call duration by 15%.
- Satisfaction rating > 70 on the SUS scale by professionals.
- Achieve a patient satisfaction score of more than 5 (on a scale of 1-10) for improved emotional wellbeing

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# HEALTH**CHAIN**

## MoveBuddy

Intrinsically motivate obese children with an innovative and child-friendly digital solution that promotes long-term physical activity through gamification.

### CURRENT PROBLEM

- Obesity is a pressing health issue In Belgium **5.8%** obese children (n= 133 400)

- Healthcare professionals (HCP) rely on subjective observations and self-reports: **biases**

- Generic approaches which **limits** the **effectiveness** of interventions

### EXPECTED SOLUTION

- **Accurate data** via an accelerometer (not pedometer)

- Motivate children intrinsically via **gamification**

- **Real time feedback** (Children, parent, HCP)

### KPIs TO BE MET

- Children meet daily exercise recommendation (at least 5 days a week, 50%)
- Very good user satisfaction rate (80%)
- Children discovered pleasure of excercise and have better QoL and self-esteem
- Tailored interventions based on personal data

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# HEALTHCHAIN

## OPER-ART
Addressing the uncertainty challenges of radiotherapy through personalised 3D molds used in radiotherapy and brachytherapy.

### CURRENT PROBLEM

- In External Beam Radiotherapy Treatment (EBRT), the "bolus" used is not always properly adapted to patient´s body
- In Branchytherapy, comercial solutions are not customised, leading to suboptimal tratment delivery and discomfort for patients

### EXPECTED SOLUTION

- To create a system for the personalised generation of 3D mold for use in radiotherapy tailored to each patient
- EBRT: visualization tool for manipulation and preparation of "bolus" (including the material)
- Branchytherapy: to generate customised applicators or guides

### KPIs TO BE MET

- EBRT: reduction in milmiters of air between bolus and body, increase of satisfaction and workload reduction
- Branchytherapy: reduction in mm of air, increase of satisfaction, assessment of toxicity

HEALTH**CHAIN**

**READ**

The Call for SMEs documents: https://healthchain-i3.eu/mirror-regions-call-smes/

**ASK**

F6S blog (Online Q&A)
F6S IT support team: support@f6s.com
HealthChain Help Desk: hello@healthchain-i3.eu

**FILL IN**

Your proposal following the template provided.

**SUBMIT**

Via the F6S platform before 5th August 2024 17.00 CET

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# Thank you!

**Visit HealthChain I3 on:** f 🐦 in

**www.healthchain-i3.eu**