HEALTHCHAIN

Call for SMEs HealthChain Follower SMEs

Murcia Region (Spain)

9th July 2024

María Bernabé, Project Manager - Ticbiomed
Gorka Sánchez, Head of Innovation - Servicio Murciano de Salud
Miguel Alborg, CCO - IDI EIKON
Adrià Maceira, CEO - Renalyse

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.**

HEALTHCHAIN

I3 Interregional Innovation Investment Instrument

Co-funded by the European Union

HEALTH**CHAIN**

Content

I3 Interregional Innovation Investment Instrument

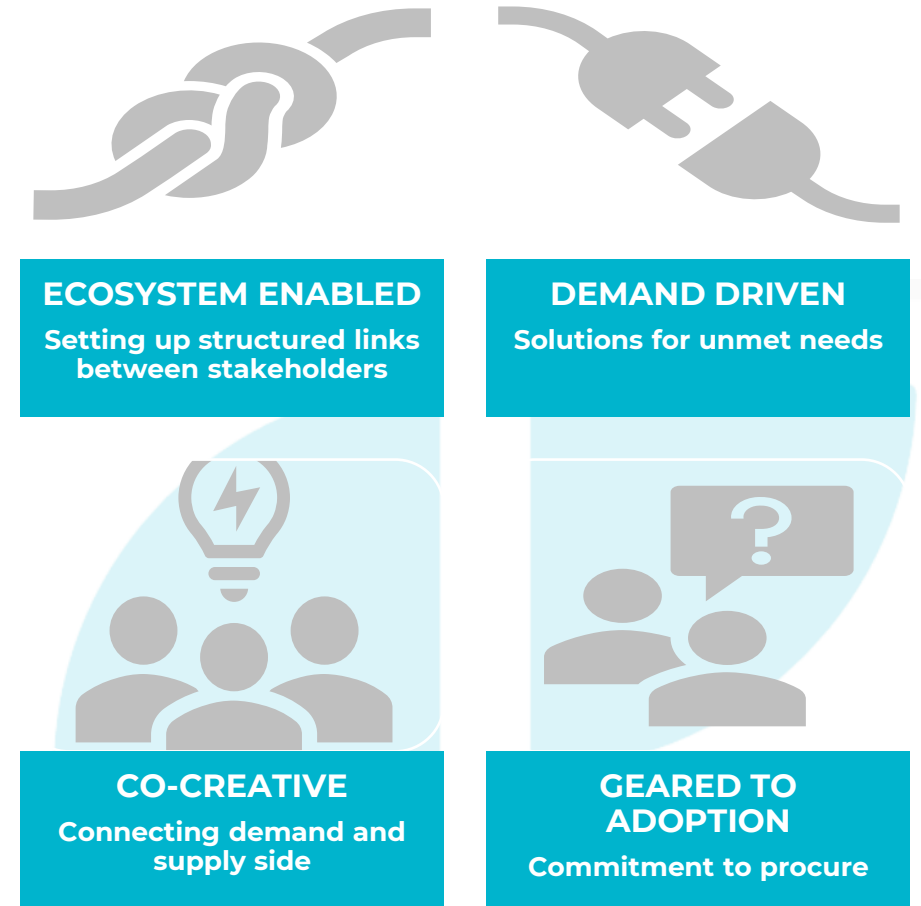Co-funded by the European Union

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

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

HEALTH**CHAIN**

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

Interregional Innovation Investment Instrument

Co-funded by the European Union

THE OPEN CALL FOR SMEs

02

HEALTH**CHAIN**

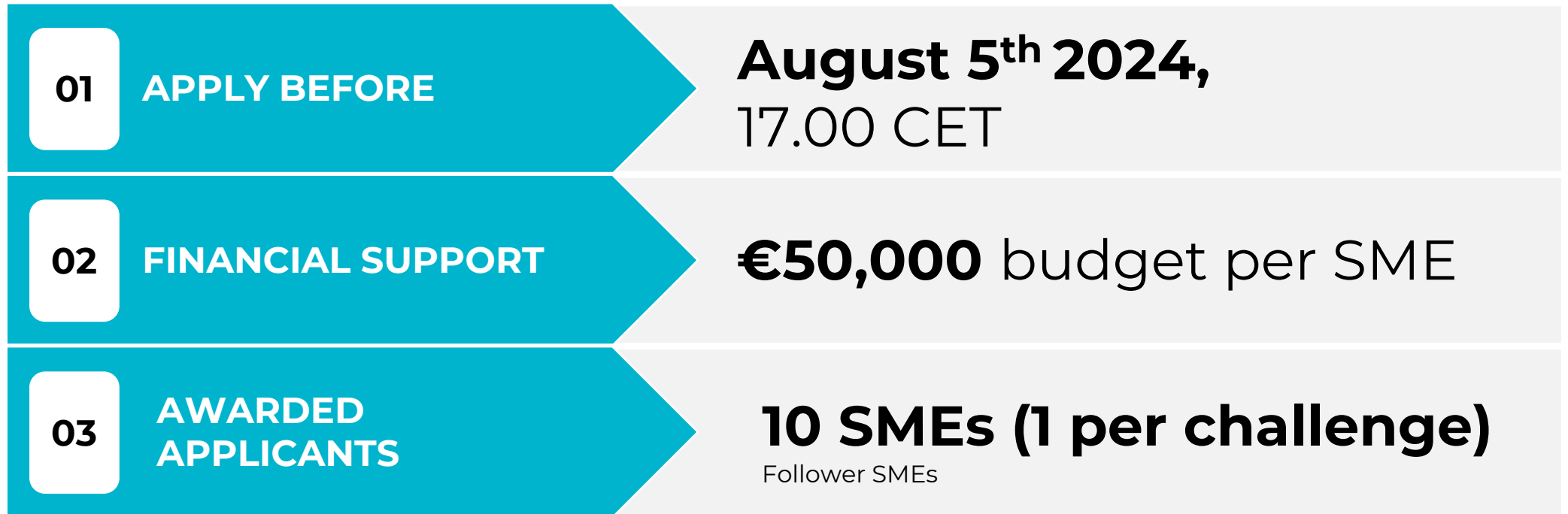# HEALTHCHAIN

HealthChain Open Call for SMEs

Select and support 10 follower SMEs (Solvers) to complement the expertise of 10 leading SMEs and jointly co-create a solution addressing the specific innovation needs (Challenges) identified by the healthcare organisations (Challengers).

BENEFITS FOR AWARDED SMES:

- Jointly co-create and pilot an innovative solution with a leading SME for a challenge identified by a healthcare organisation.
- 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.
- Get the opportunity to work in an international partnership.

Overview

01 **APPLY BEFORE**
August 5th 2024,
17.00 CET

02 **FINANCIAL SUPPORT**
€50,000 budget per SME

03 **AWARDED APPLICANTS**
10 SMEs (1 per challenge)
Follower SMEs

More information here.

I3 Interregional Innovation Investment Instrument

Co-funded by the European Union

Who can apply?

TYPE

Small and medium-sized enterprises (SMEs).

GEOGRAPHY

HealthChain is looking for SMEs based within regions that are already represented in the HealthChain consortium. They must be legally established in one of the following regions:

ES51 - Catalonia (Spain)

Any region in Slovenia

NL3 - West Netherlands

ES41 - Castilla y León (Spain)

PT11 - North (Portugal)

Any region in Croatia
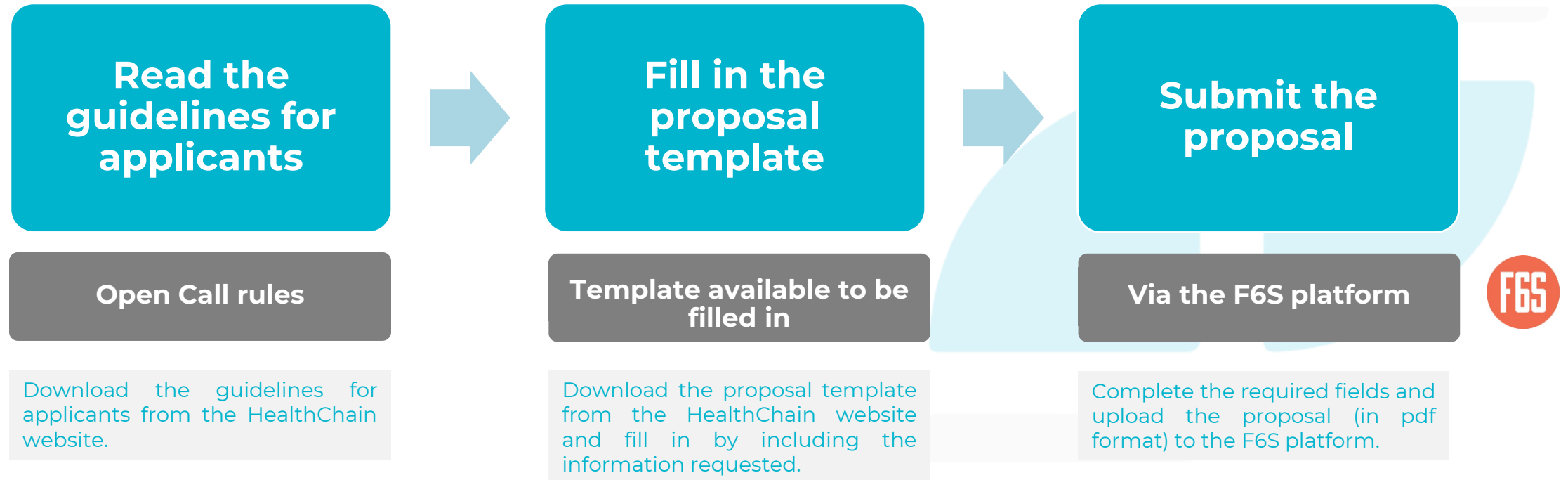
EL63 - Western Greece

BE2 - Flanders (Belgium)

PT16 - Centro (Portugal)

NL2 - East Netherlands

ES22 - Navarra (Spain)

RO11 - Northwest Romania

HEALTHCHAIN

How to apply?

Read the guidelines for applicants	→	Fill in the proposal template	→	Submit the proposal

Open Call rules

Template available to be filled in

Via the F6S platform

Download the guidelines for applicants from the HealthChain website.

Download the proposal template from the HealthChain website and fill in by including the information requested.

Complete the required fields and upload the proposal (in pdf format) to the F6S platform.

Interregional Innovation Investment Instrument

Co-funded by the European Union

Deliverables to be submitted jointly with the Leading SMEs

HEALTHCHAIN

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.

Leading and follower 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.
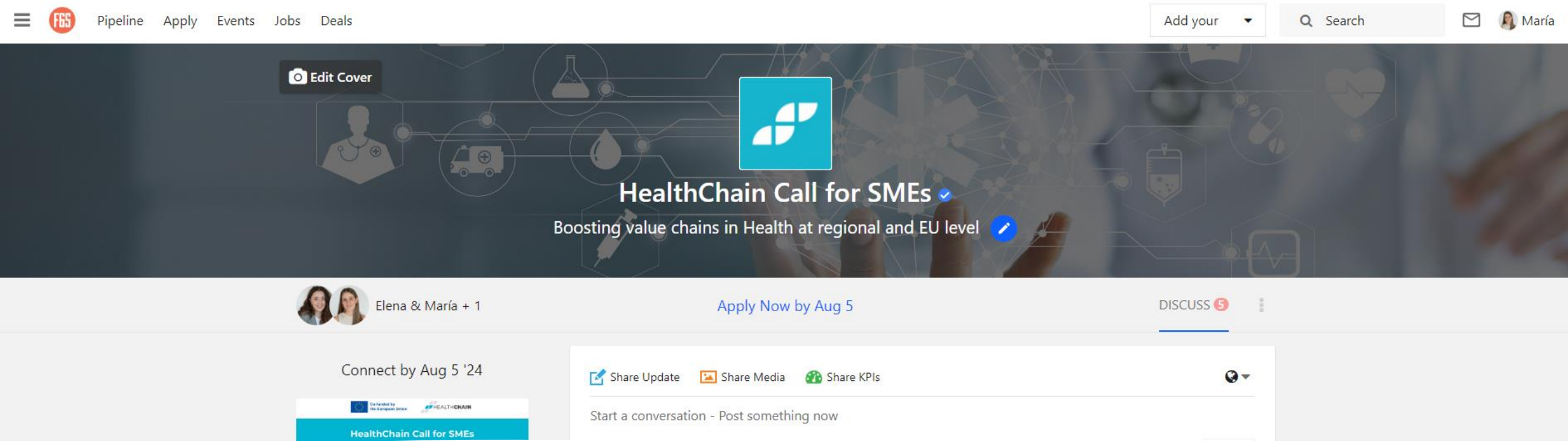
Final Review meeting
October 2025

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-call-for-smes/discuss

HEALTH**CHAIN**

Informative webinar recording

WATCH A REPLAY!

Servicio Murciano de Salud

03

The **Servicio Murciano de Salud (SMS)**

- Is the public healthcare agency

- Under the Regional Ministry of Health

- It serves **1.5 M inhabitants**

- With over **23,000 professionals**

- Operating **11 hospitals** and their specialist care centers, **85 health centers,** and **140 medical consultants**

- The annual budget is **€2.500 M**

Challenge 1

PASPADOC

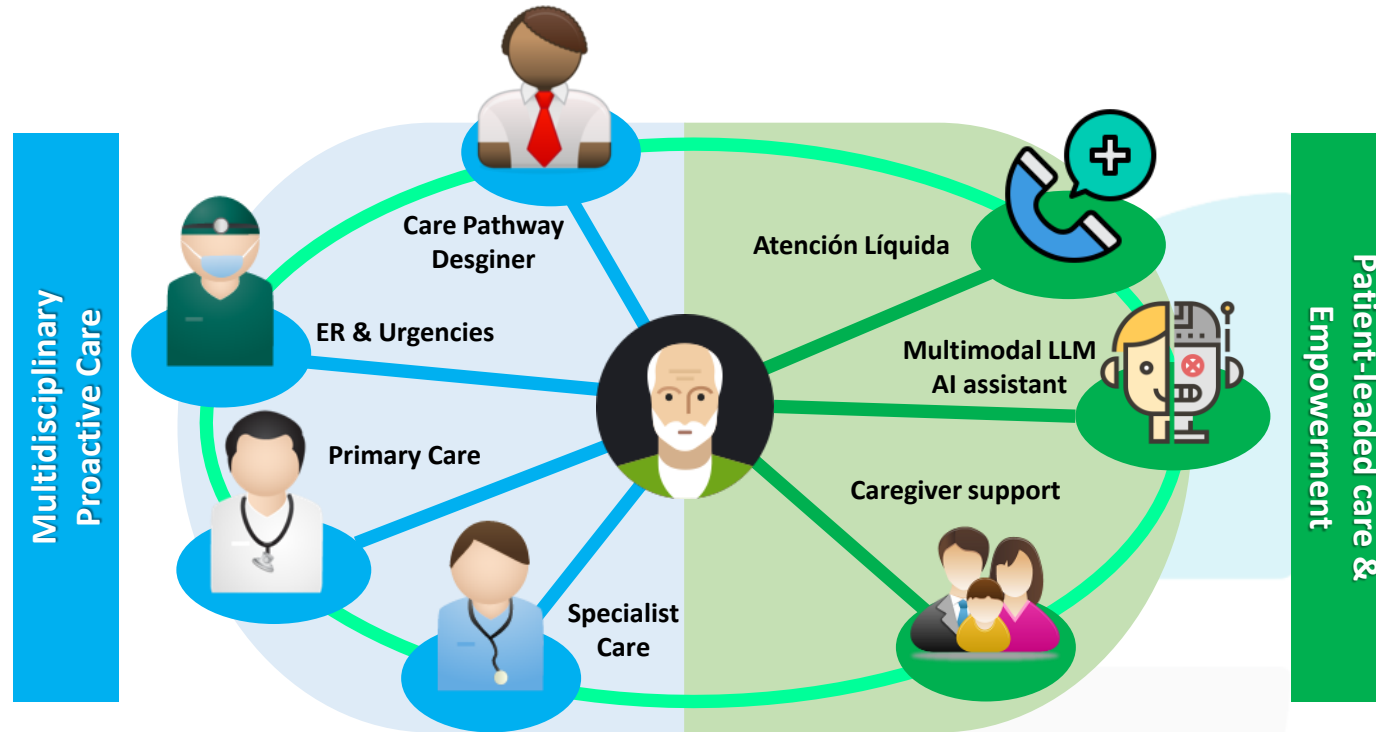*A new holistic way to capacitate patients who suffer chronic pain.*

- Achieve more efficient chronic pain management from the healthcare organisation's perspective by improving accessibility and follow-up for patients.

- Promote self-empowerment to enable patients to manage their pain using all available tools, both pharmacological and non-pharmacological.

- Ensure thorough and ongoing patient monitoring and boost continuous remote assistance, avoiding unnecessary in-person consultations.

- Establish a strong connection between patients and healthcare professionals to facilitate high-quality care.

- Develop a unified therapeutic plan to optimize patient outcomes, ensuring patients understand key aspects such as diet, activity, sleep, emotional management, and medication, ultimately enhancing their quality of life.

Description of proposed solution (1)
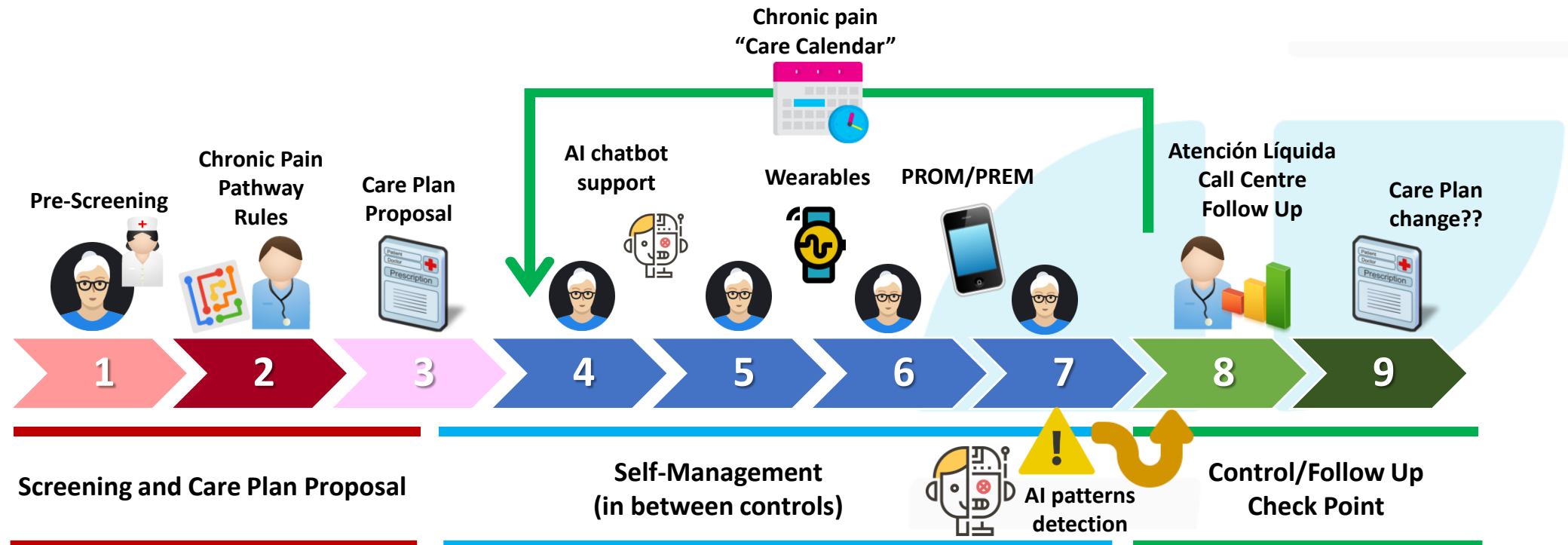

PALDOC Integrated Care Paradigm

Care Pathway Desginer

ER & Urgencies

Primary Care

Specialist Care

Atención Líquida

Multimodal LLM AI assistant

Caregiver support

Multidisciplinary Proactive Care

Patient-leaded care & Empowerment

Description of proposed solution (2)

HEALTHCHAIN

Chronic pain "Care Calendar"

Pre-Screening

Chronic Pain Pathway Rules

Care Plan Proposal

AI chatbot support

Wearables

PROM/PREM

Atención Líquida Call Centre Follow Up

Care Plan change??

1 2 3 4 5 6 7 8 9

Screening and Care Plan Proposal

Self-Management (in between controls)

AI patterns detection

Control/Follow Up Check Point

Requirements covered by IDI EIKON (Leading SME)

PWA App

Screening and Care Plan Proposal

Self-Management (in between controls)

AI patterns detection

Control/Follow Up Check Point

Pain Characterization

Individual Care Plan

Risk Level assessment

Initial Treatment

SMS Health Resources Repository

Restricted AI Support Model

Chat with Atención Líquida Call Centre

Reminders / Alerts

Cost-Effectiveness

Population Benchmarking

Health Outcomes

Patient's Dashboard

Quality of Life

AdsuM++ PALDOC

Work to be done by the Follower SME

- **Collaboration in ALDO AI Assistant Training**
  - Validation of Health Resources Repository provided by the SMS
  - Provision of new Health Resources (chronic pain management documentary repository)
  - Adaptation of available Health Resources to "user friendly languages"

- **Adding Wearables and Medical Devices to the co-created care model**
  - Ability to integrated devices into PALDOC IoT layer using standard APIs or equivalent mechanisms

K-control!

Interdialysis potassium level intensive monitoring.

- Optimize the management of Hyperkalemia (HK) by intensively monitoring potassium levels in hemodialysis patients, who receive intermittent dialysis sessions 3 times a week (either on Mondays, Wednesdays, and Fridays or on Tuesdays, Thursdays, and Saturdays).

- Develop an effective digital solution for potassium management that engage patients in maintaining a low-potassium diet and promotes self-empowerment.

- Guide and motivate patients to adhere to a potassium-restricted diet in the context of the regional public health service.

- Aim to reduce the rate of complications due to hyperkalemia by integrating this system with both the patients and the corporate systems used by the Murcia Health Service.

Description of proposed solution

SIMPLE and MINIMAL INVASIVE

Simple drop of blood!
1-2 times per week

+

ULTRA-LOW COST

New screen-printed creatinine and potassium sensors

+

USER FRIENDLY

Hand portable & Wireless connectivity

+

CONNECTED HEALTH

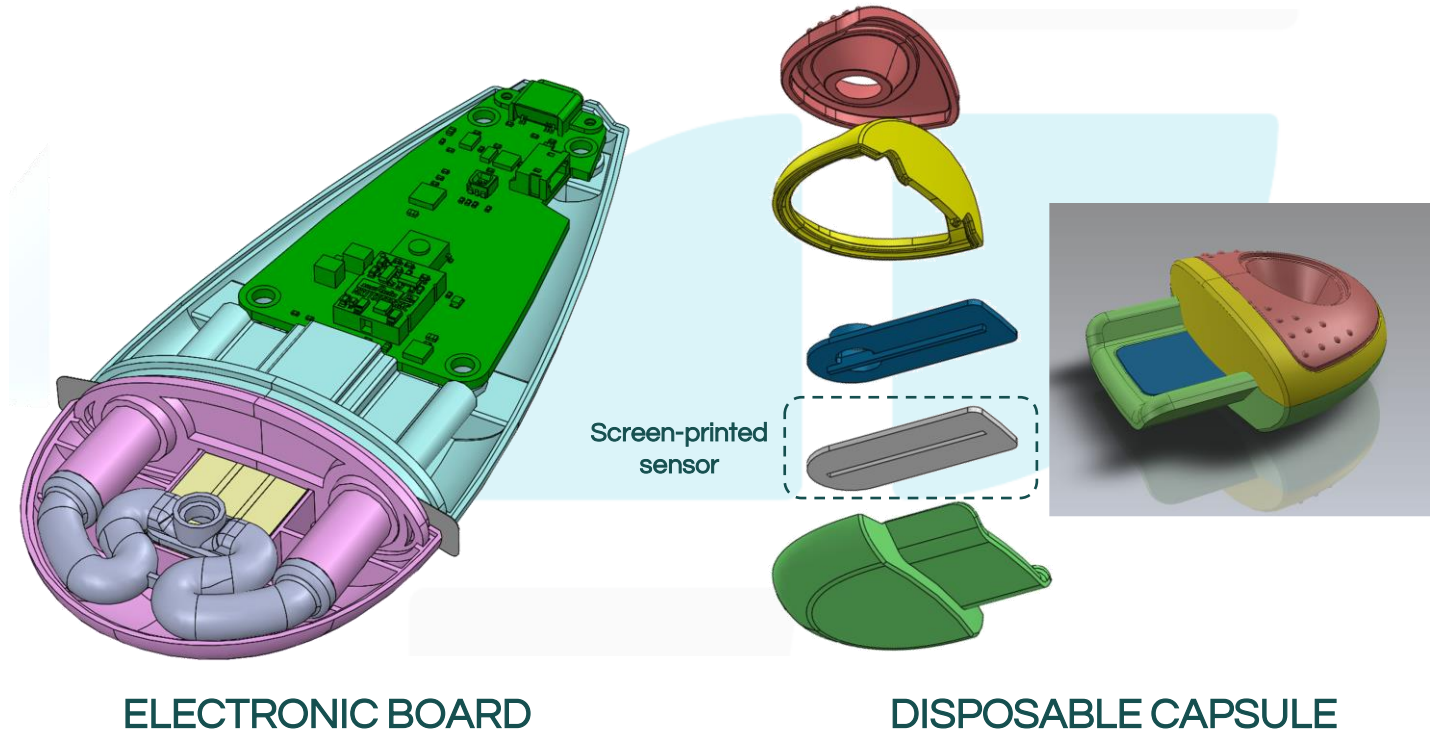Seamless doctor to patient interaction

Requirements covered by Renalyse (Leading SME)
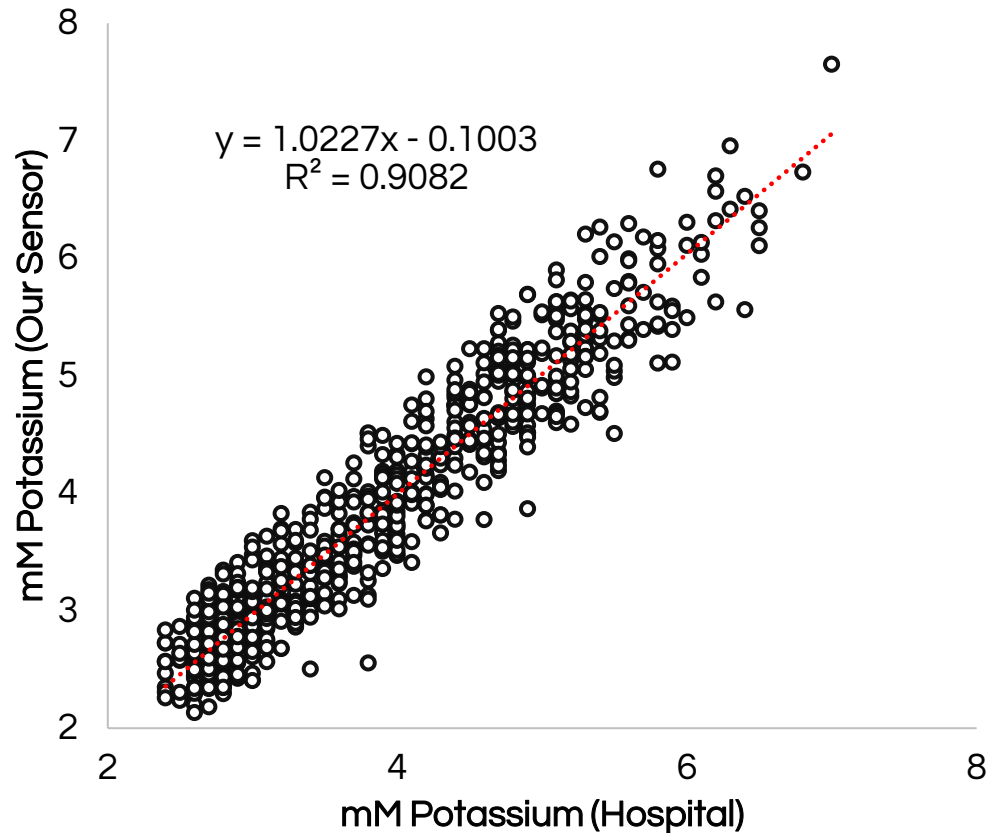
FINAL PRODUCT OF RENALYSE'S PROJECT

Easy and affordable Point-of-care and Home use device to monitor CKD patients

=

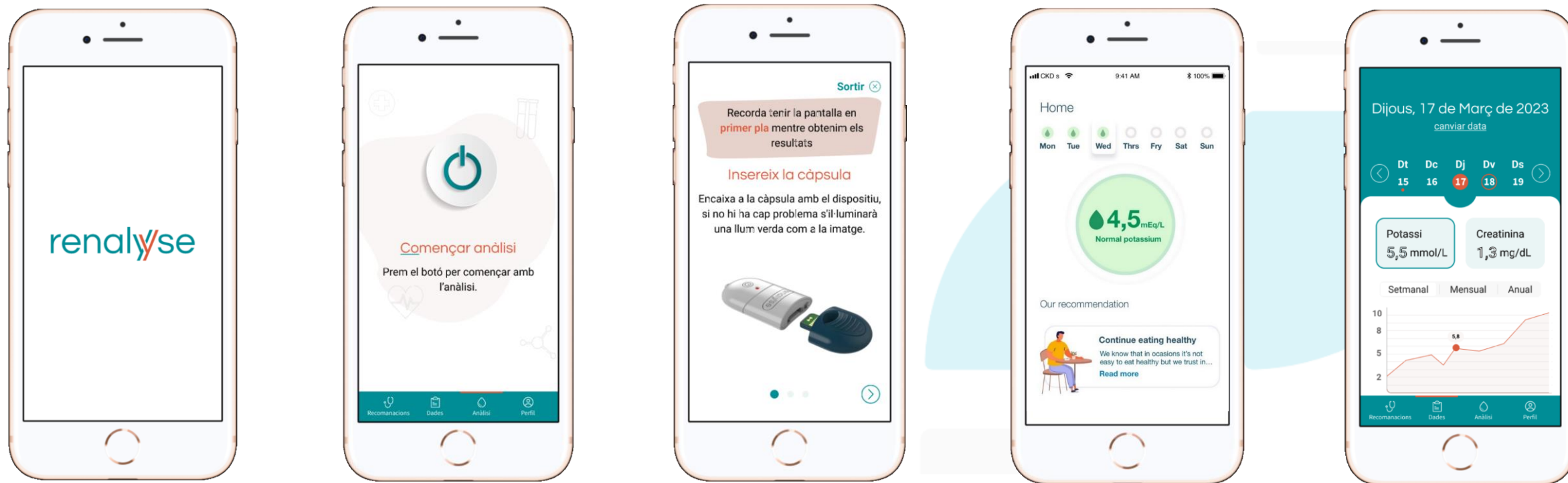ELECTRONIC BOARD

Screen-printed sensor

DISPOSABLE CAPSULE

Requirements covered by Renalyse (Leading SME)

$y = 1.0227x - 0.1003$
$R^2 = 0.9082$

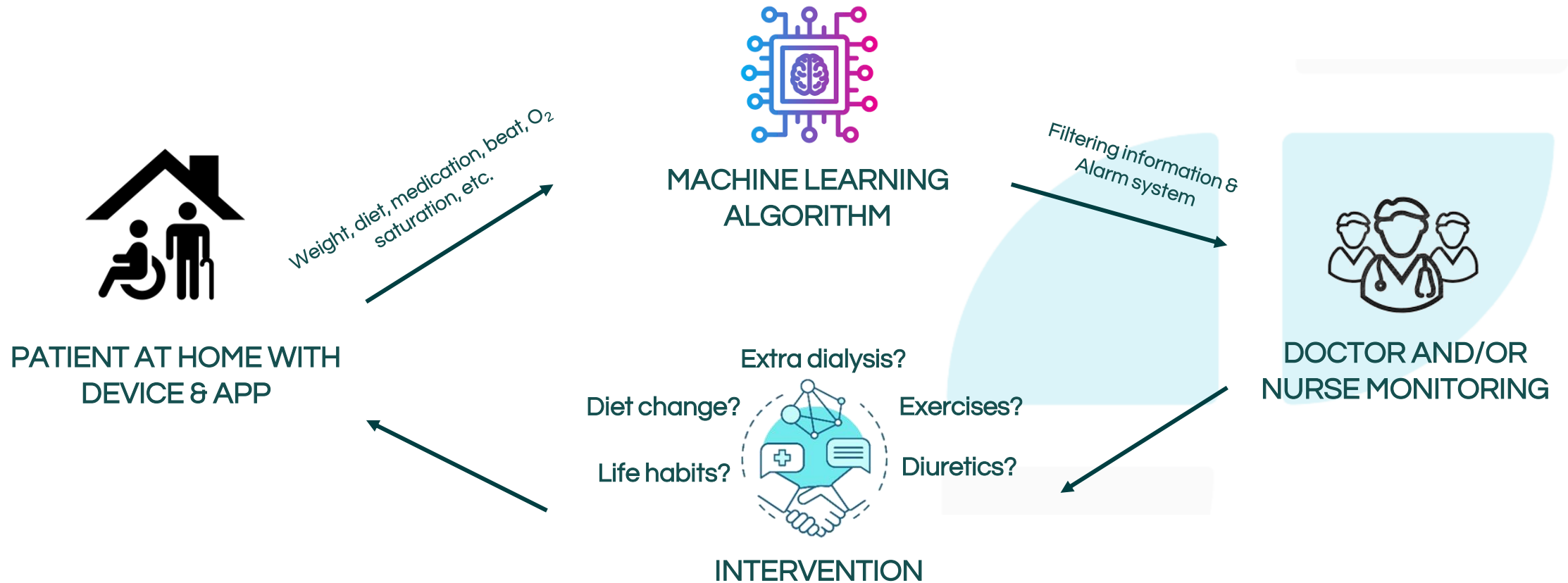**300 venous blood samples from dialysis patients analysed**

Error less than 20% in whole blood

Work to be done by the Follower SME

EASY-TO-USE APP as a remote symptomatology accessory to facilitate **DOCTOR-PATIENT COMMUNICATION**

Work to be done by the Follower SME

MACHINE LEARNING ALGORITHM

Weight, diet, medication, beat, O_2 saturation, etc.

Filtering information & Alarm system

PATIENT AT HOME WITH DEVICE & APP

DOCTOR AND/OR NURSE MONITORING

Extra dialysis?

Diet change?

Exercises?

Life habits?

Diuretics?

INTERVENTION

Q&A

05

HEALTHCHAIN

READ

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

ASK

In case of **questions**, please contact us through the following channels:

F6S blog (Online Q&A)
F6S 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**

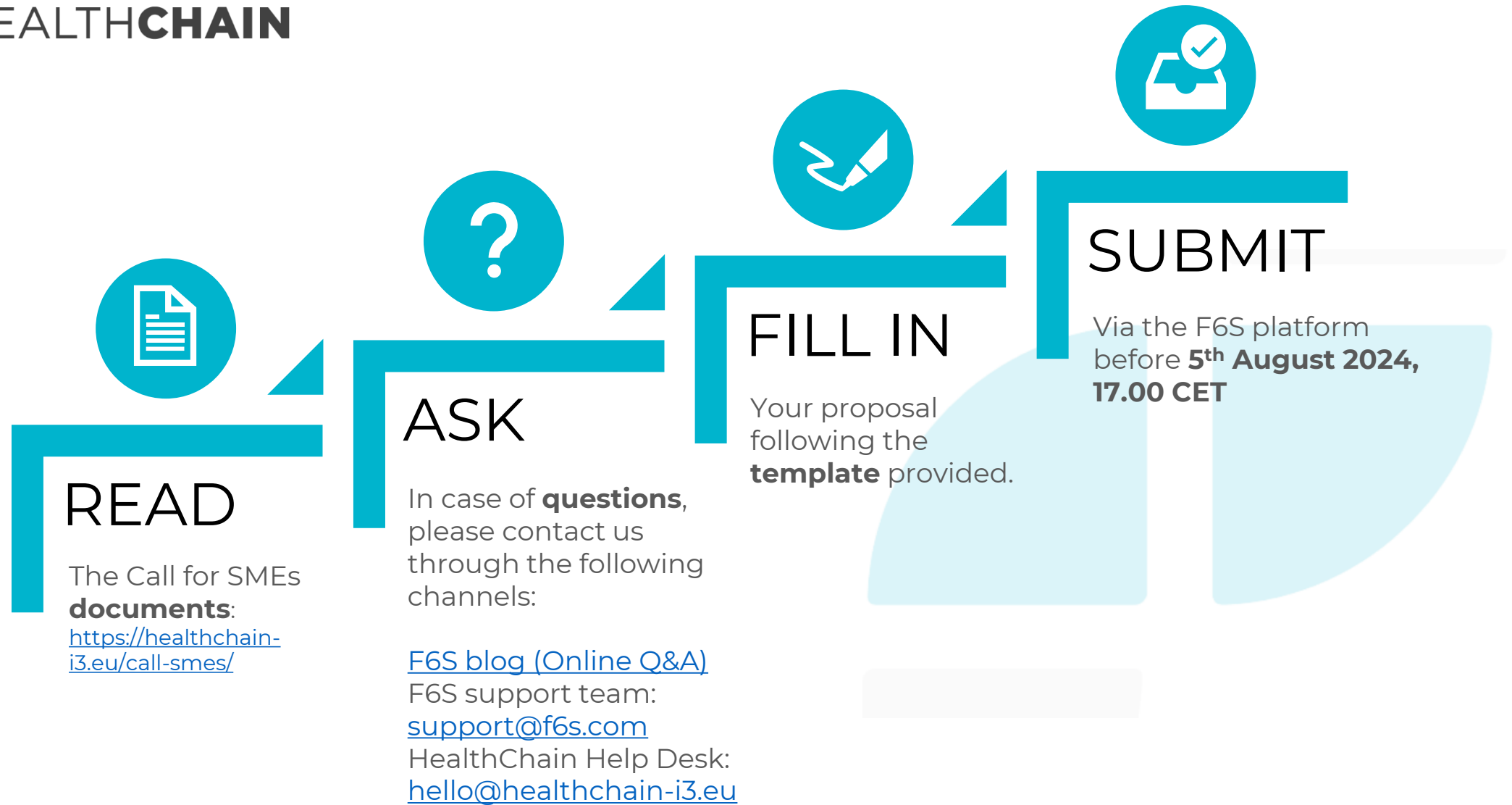I3 Interregional Innovation Investment Instrument

Co-funded by the European Union

Adrià Maceira - Renalyse: adria.maceira@renalyse.com

Miguel Alborg - IDI EIKON: miguel@idieikon.com

Thank you!

Visit HealthChain I3 on:

www.healthchain-i3.eu