



From a RIA project to a product The CAPTAIN story

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 This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769830

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Captain
www.captain-eu.org

DCU
Maynooth University
INNOVATION
HoloCamp
nively
intrax
vicomtech
salumedia
UNIVERSITY OF TRENTO
socialIT
AMEN

Coordinated by

VYOND

Proud of my partners in this journey...

The consortium

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Created with mapchart.net ©

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Our deliverables were:

develop radically new ICT based concepts and approaches for empowering and motivating people in need of guidance and care

users should be involved and drive the innovation at all stages of design and development, including user acceptability, satisfaction and impact in realistic settings

Launch of a new company based on CAPTAIN

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CAPTAIN methodology

DESIGN THINKING

Explore the problem
(Pilot partners)



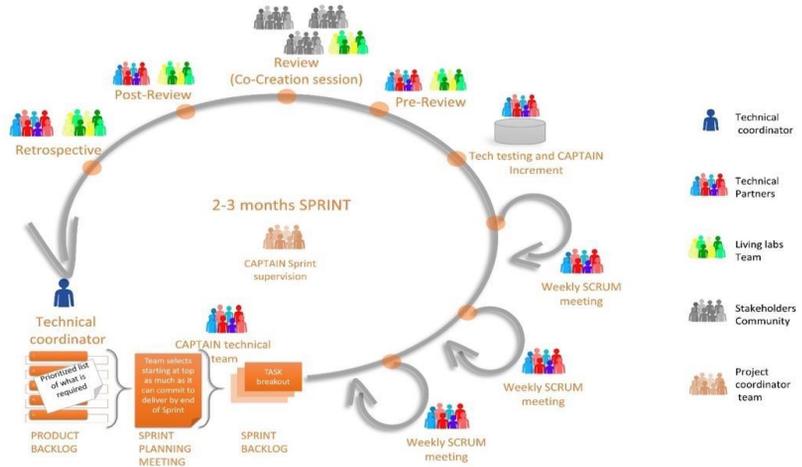
LEAN

Build the right things
(Pilot & Technical partners)



AGILE

Build the things right
(Technical partners)



Tessarolo, F., Petsani, D., Conotter, V., Nollo, G., Conti, G., Nikolaidou, M., Onorati, G., Bamidis, P. D., & Konstantinidis, E. I. (2022). Developing ambient assisted living technologies exploiting potential of user-centred co-creation and agile methodology: the CAPTAIN project experience. *Journal of Ambient Intelligence and Humanized Computing*. <https://doi.org/10.1007/s12652-021-03649-0>

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At some point, partners started losing their real interest



The new company vision was communicated to all partners through a workshop from the Exploitation WP partner.

The vision of a new company where partners would keep their IPRs was enough to motivate them to work more effectively.

The technological partners were more motivated compared to the pilot partners.

Different skills are required for the dissemination and exploitation tasks, although most of the times are under the same WP with one WP leader.

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The motivation

Include a deliverable or milestone for launching a new company. At the end of the project, you will have to deliver ;-)

MS7	Definition of business model and business take-up	WP9	4 - INI-Novation	39	Launch of a new company based on CAPTAIN
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The illustration shows two hands shaking over a document labeled 'LICENSE' and a dark blue book titled 'Licensing of Intellectual Property Rights (IPR): Business Perspective'. The KIPG logo is in the top right corner.



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The support of the Technology Transfer Office

- We had 3-4 meetings with AUTH's TTO, Legal Support and the Vice Rector for Research and Lifelong Learning
- The TTO and the Legal Support of AUTH went through the Grant Agreement and the Consortium Agreement to make sure everything is fine.
 - The project was ongoing when the company was established, and some conditions should be met
 - They understood our needs for some conditions and they accepted some amendments in the agreement between RC AUTH and the spin-off



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OUR VISION

CAPTAIN COACH vision is to improve the adoption of technology by people in need of care by reshaping the ways of interaction.

CAPTAIN COACH mission is to turn the homes of older adults into a gentle coach within an empowering space, providing intuitive interaction, guidance and help for independent living, whenever and wherever it is needed, leading to physical, cognitive, mental and social well-being.



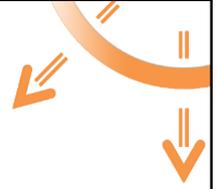
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Photo by Pexels

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CAPTAIN COACH SYSTEM

RADICALLY NEW USER INTERFACE



Projection



Speech



Tangible



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CAPTAIN COACH

OUR SOLUTION



Radically new technology for empowering and motivating people in need of guidance and care



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Photo by Matthias Zomer from Pexels

CAPTAIN COACH

VALUE PROPOSITIONS FOR HELPING ELDERLY



AI Movement Analysis
Collection and assessment of data from movement and exercising inside the house



AI Emotion Analysis
Emotion analysis from face and voice



Speech Analysis
Speech analysis and speech generation to provide a multilingual, intuitive user interface



User Modeling
Using AI to model and comprehend user's behavior through non-invasive monitoring



Environmental Monitoring
Sense and adapt to environmental conditions like weather, noise and temperature



AI Behaviour Prediction
Predict everyday life behaviour and activity recognition



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CAPTAIN COACH

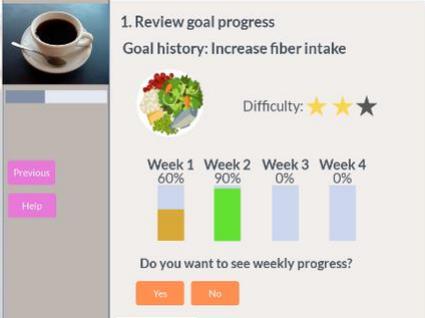
KEY CONCEPT

Set GOALS

Coaching is delivered

Get feedback

Coaching plan adaptation



1. Review goal progress
Goal history: Increase fiber intake
Difficulty: ★★☆☆

Week	Progress
Week 1	60%
Week 2	90%
Week 3	0%
Week 4	0%

Do you want to see weekly progress?





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Photo by Matthias Zomer from Pexels

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CAPTAIN Smart Goal Plugin Marketplace

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Problem turned into opportunity?

Improved UX for:

- Deployment
- 1st time installation
- Usage
- Simplified manuals



A project closer to a product



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The drawback



Uncertainty for pilots

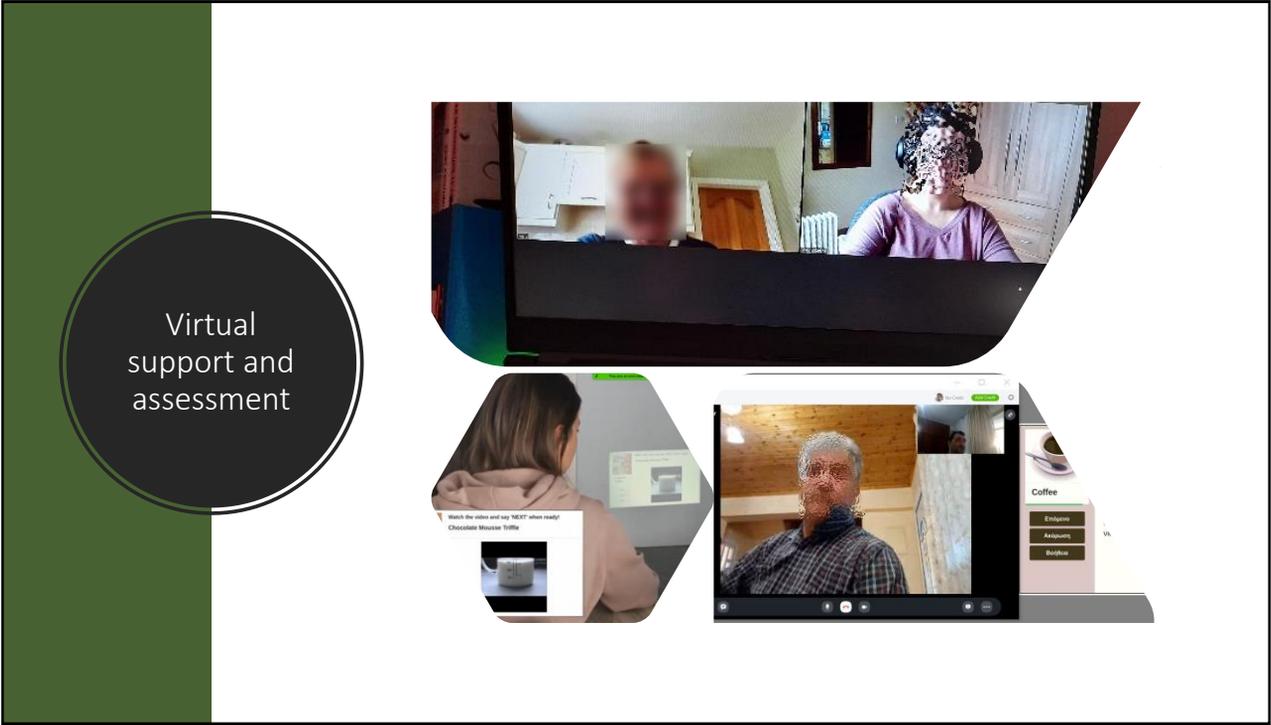
Evaluation protocol needs to be substantially amended (space for innovation though)



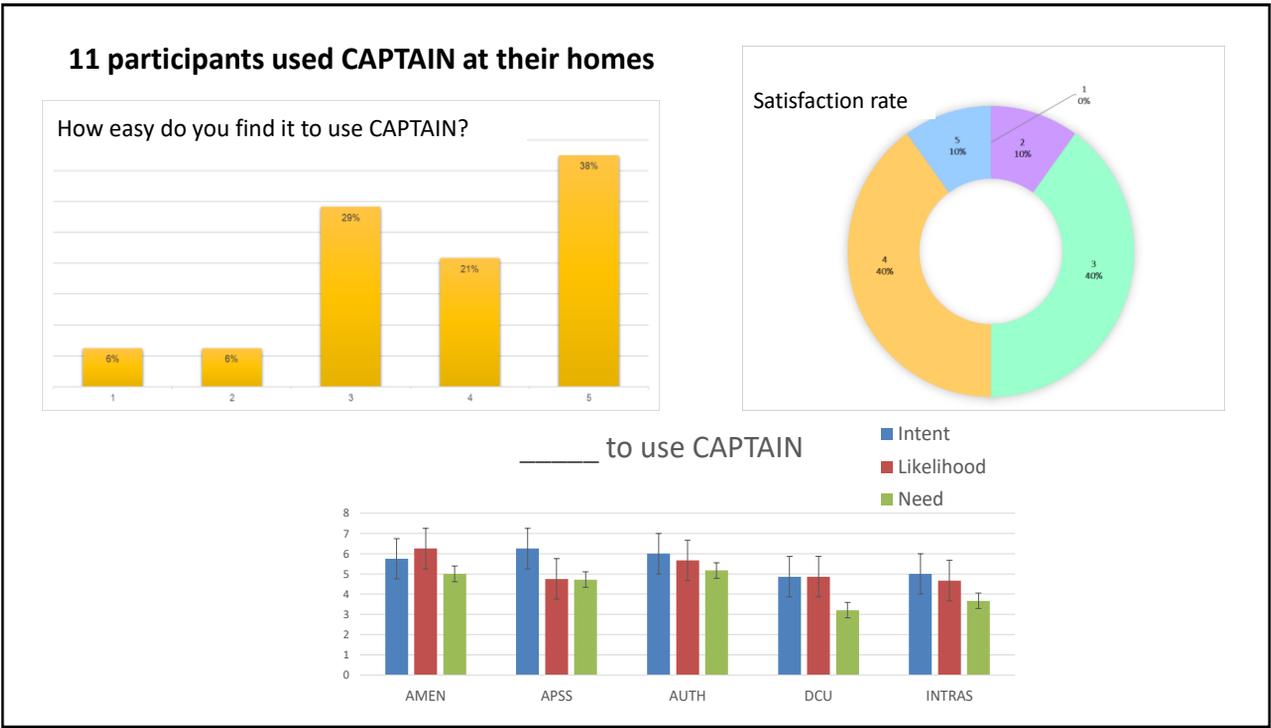
Scientific publications without results???



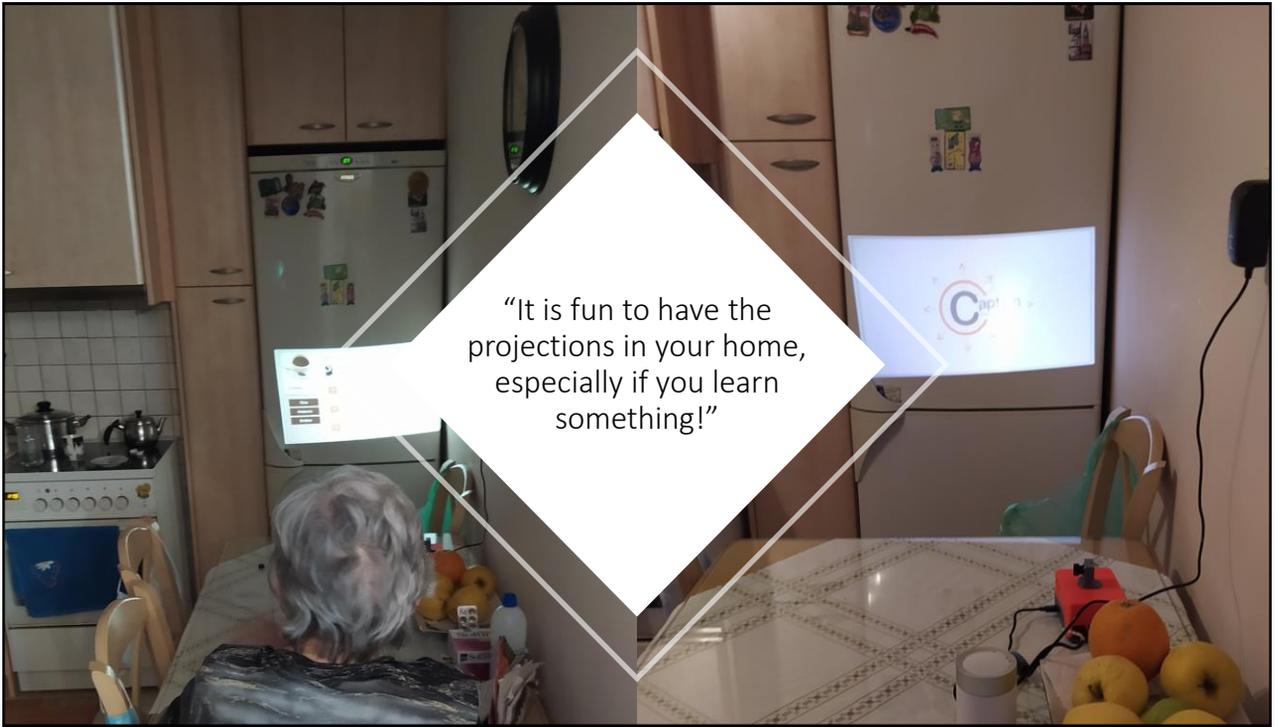
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“It is nice that when it detects you it starts automatically. Then, out of curiosity, you might read the text”

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PRIZE

10th Digital
TELEBRATE
INNOVATION

FOR A STRONG DIGITAL EUROPE



WINNERS 2020

Home / EIT Digital Venture Program / Winners 2020

EIT Digital Venture Program

- Overview
- Partners
- Winners 2020**
- Winners 2019
- Winners 2018

WINNERS 2020

REGION 2

Captain Coach

CAPTAIN COACH is a "transparent" technology designed as a ubiquitous assistant for elderly compensating their phy



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CAPTAIN Coach solution for fighting COVID-19



COVID^x OC1 #GameChangers

CAPTAIN-X

CAPTAIN reduces the mental burden of remembering to monitor symptoms as it motivates the user through a coaching and rewarding system that increases adherence. It becomes a gentle companion that helps to put the right patient in the right place.



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PCP Phase 2

The European Commission is supporting pre-commercial procurement to help public procurers and suppliers develop innovative solutions to societal challenges.



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XGain – 5G for deploying in rural areas



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CAPTAIN COACH TEAM



Dr. EVDOKIMOS KONSTANTINIDIS
Chief Executive Officer and Founder



MICHALIS TIMOLEON
Chief Technology Officer



ANGELA IVANOVA
Business Development & Marketing Manager



MIHAIL STANEV
Chief Operating Officer Support



DESPOINA PETSANI
Junior Product Manager



NIKOS ATHANASOPOULOS
Software Engineer



SEBASTIAN KНИЕJSKI
Programming and User Interaction Support

ADVISORY BOARD



Prof. PANAGIOTIS BAMIDIS
Chairman of the Advisory Board and Founder



Dr. WOLFGANG KНИЕJSKI



Dr. GIUSEPPE CONTI
CEO at WITA Care Multiple Entrepreneur



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