



CAPABLE

CAnCer PATients Better Life Experience



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CAPABLE Project



CAPABLE is supported under European Union's Horizon 2020 research and innovation programme



Call	Digital transformation in health and care
Topic	Big data and artificial intelligence for monitoring health status and quality of life after the cancer treatment
Type of action	RIA (research and innovation)
Agreement No	875052
Duration	01/01/2020 – 31/12/2023
Budget	5.9 million €

Consortium



1	UNIPV	University of Pavia
2	UoH	University of Haifa
3	BIOM	BIOMERIS s.r.l.
4	AMC	Academic Medical Center
5	IBM	IBM Israel – Science and Technology LTD
6	BIT	Bitsens, JSC
7	PUT	Poznan University of Technology
8	ICSM	Istituti Clinici Scientifici Maugeri
9	NKI	Netherlands Cancer Institute
10	DEON	Deontics Ltd
11	AIMAC	Associazione Italiana Malati di Cancro, Parenti e Amici
12	UPM	Universidad Politécnic de Madrid



Motivation



- Cancer becomes another chronic disease – increasing incidence and improved survival
- Most of treatments provided at home with only occasional assessment visits and re-hospitalizations
- Needs of cancer patients may be unknown to care providers and thus not properly addressed
- Management of cancer patients associates with additional challenges related to multi-morbidities

Overall Goal



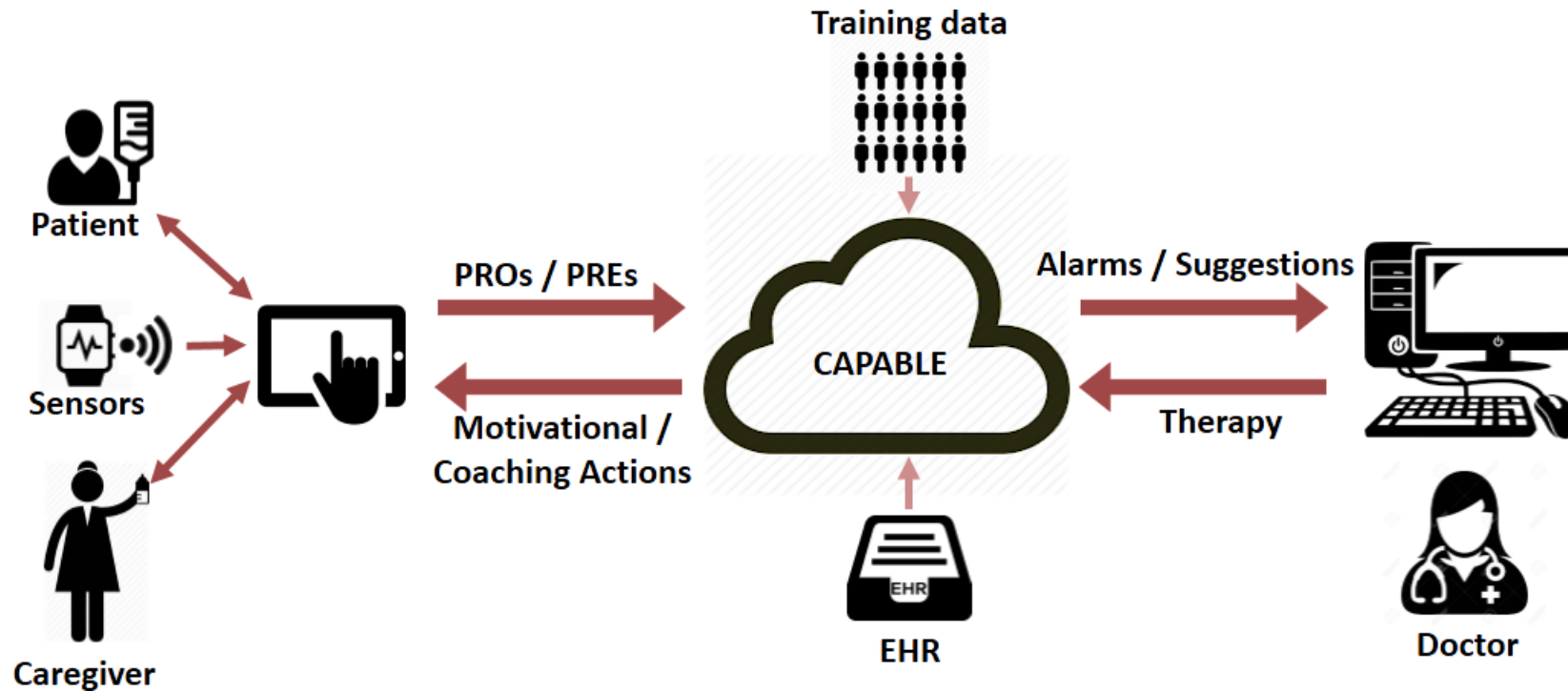
To develop a **support system** for **improving the quality of life of cancer home patients** by combining **technologies** for data and knowledge management with **socio-psychological models and theories**

Objectives



- Comprehensive support system for patients, their home caregivers and physicians
 - Mobile and web apps for ubiquitous accessibility
 - Wearable sensors for unobtrusive monitoring
- Early detection of cancer-related issues and unmet patients' needs (psycho-social, educational, ...)
- Timely delivery of knowledge- and data-based decision support, information and coaching
- Improved patients' adherence, engagement and wellbeing leading to improved quality of life

CAPABLE Architecture



More Information



Website	https://www.capable-project.eu
E-mail	info@capable-project.eu
Facebook	https://www.facebook.com/capableprojecteu/
Tweeter	https://twitter.com/capable_project
Instagram	https://instagram.com/capable_project
LinkedIn	https://www.linkedin.com/company/capableprojecteu
