

Advantages and challenges in H2020 projects, the participant perspective

My Active Ageing against Cognitive Frailty



1. Fraunhofer AICOS

- Fraunhofer-Gesellschaft > 80 Research Units worldwide
- Fraunhofer Portugal AICOS

'Extending the Reach of the Information and Knowledge Society'

'Remarkable Technology, Easy to Use'

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Key Project Initiatives – Ambient Assisted Living

Smart Companion



- Result of **internal research project**, already **licensed** to an industrial customer;
- Android customization for **ageing and elderly people**;
- **Highly simplified interface**, which allows it to be easily used and adopted by seniors;
- Includes many useful features, such as **medication reminders**, **pedestrian navigation**, **fall detection** and **fall risk evaluation**.



Excellent Smart Health Innovation Award
with GoLivePhone in the AAL Forum 2015
2nd place in the Zon Prémio Criatividade 2011
Contest

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Key Project Initiatives – Ambient Assisted Living

COLABORAR



- Network to assist several projects regarding user **research** and **usability studies**, in sessions conducted either within Fraunhofer's **Living Lab**, or offsite;
- Ever growing. Now comprising over **400 users and over 40 institutions** (day-care centres, hospitals, etc.);
- Platform for over 2.000 activities (usability tests, focus groups, interviews, etc.);



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Key Project Initiatives – Ambient Assisted Living

Fall Competence Center



- In the FCC the **human motion, activities** and **falls** were investigated in depth. Core competences in these areas were developed and are being applied to **new solutions** and **converted into valuable products**;
- Advanced prototypes were developed for:
 - Fall Detection, Fall Risk Assessment and Fall Prevention;
 - Promotion of Physical Activity and Exercise Games;
 - Sports Performance Measurement;
 - Safety and Security.



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Key Project Initiatives – Ambient Assisted Living

ChefMyself

ChefMyself ▶

- Automatic **cooking solution** to support seniors in preparing daily meals and **maintaining healthy eating habits**;
- Social network to promote **healthy eating habits**, recipe exchange and interaction amongst seniors;
- Open and extensible ICT service with three main components: **tablet device, cooking robot and cloud services**.



FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA



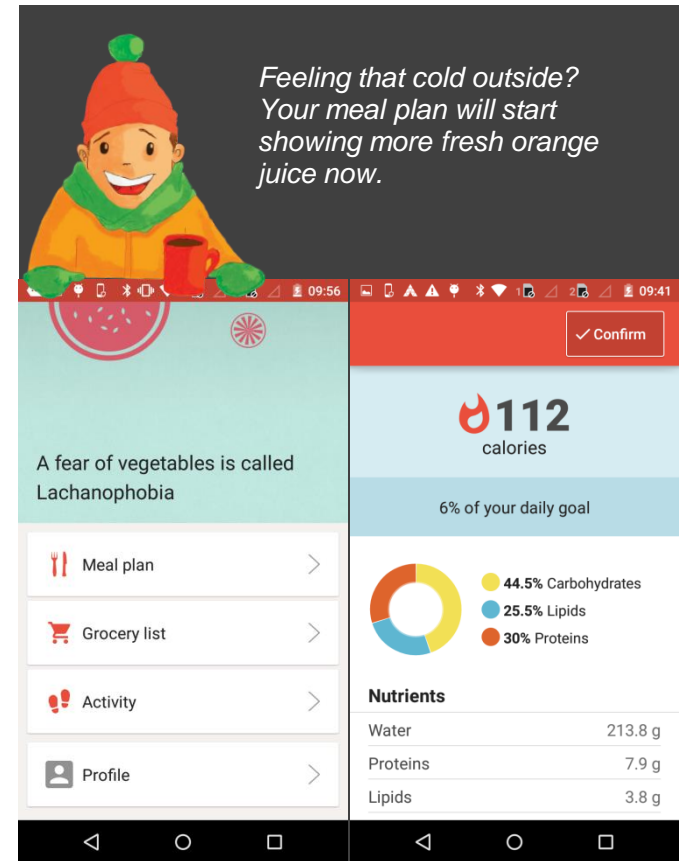
AAL Award Finalist in the AAL Forum 2015
Finalist in Innova eVIA Awards 2015

1. Fraunhofer AICOS

Key Project Initiatives – Ambient Assisted Living

SousChef

- The **nutrition companion for older adults**, which is fond of the Mediterranean diet;
- Generates **weekly meal suggestions**;
- Generates automatic grocery list;
- Easy visualization of physical activity along with nutrition related information;
- Provides **healthy tips** and fun facts to support and maintain behaviour change.



2. Why H2020?

- Focus on applied research and being an R&D partner for industry
- Reinforce international collaborations
- Possibility to strengthen our core competences and advancing our knowledge
- PHC-21-2015 Advancing active and healthy ageing with ICT: Early risk detection and intervention



ICT-based System to Predict & Prevent Falls



European Summit on Innovation for Active & Healthy Ageing

Brussels, 9-10 March 2015



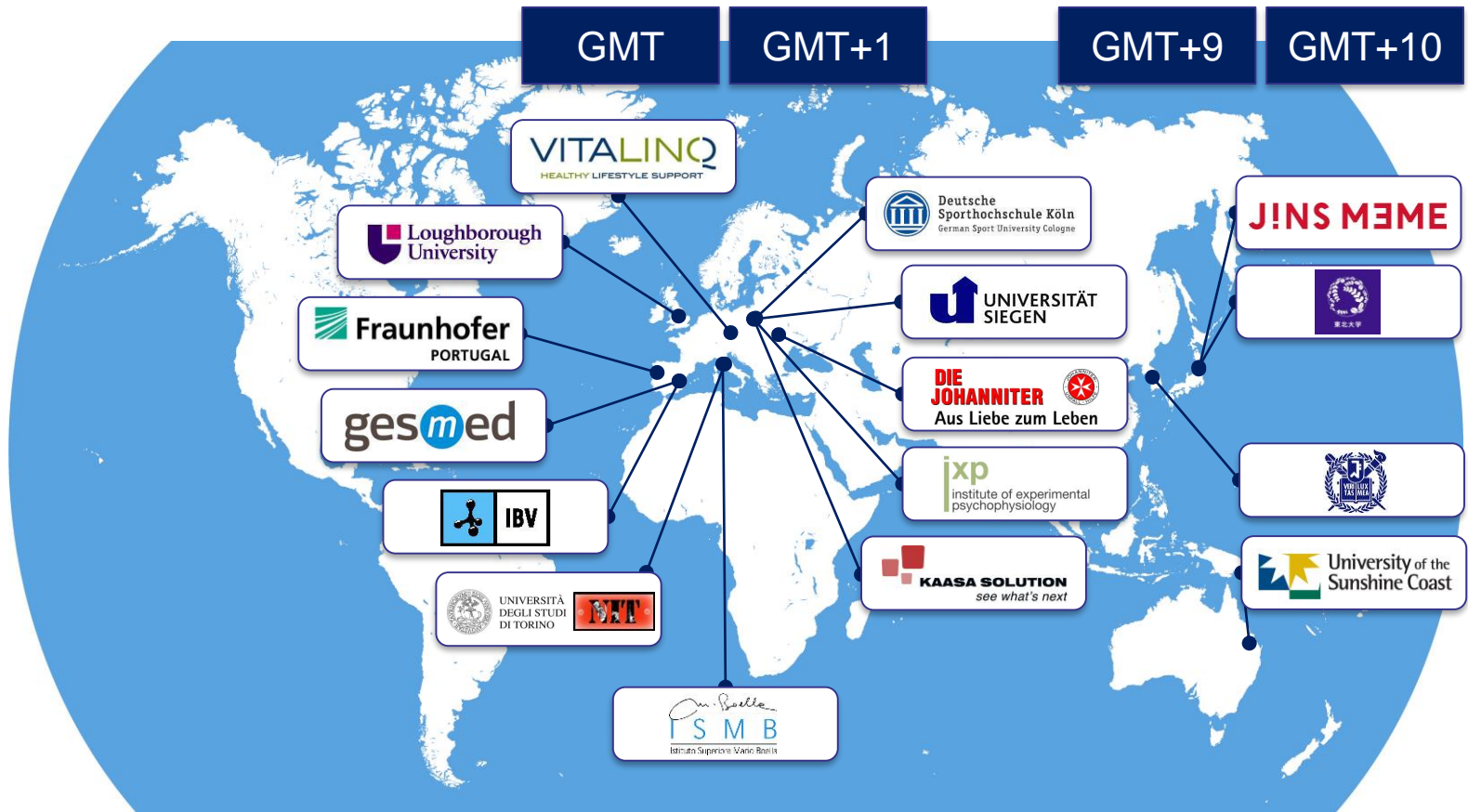
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3. Consortium



3. Consortium

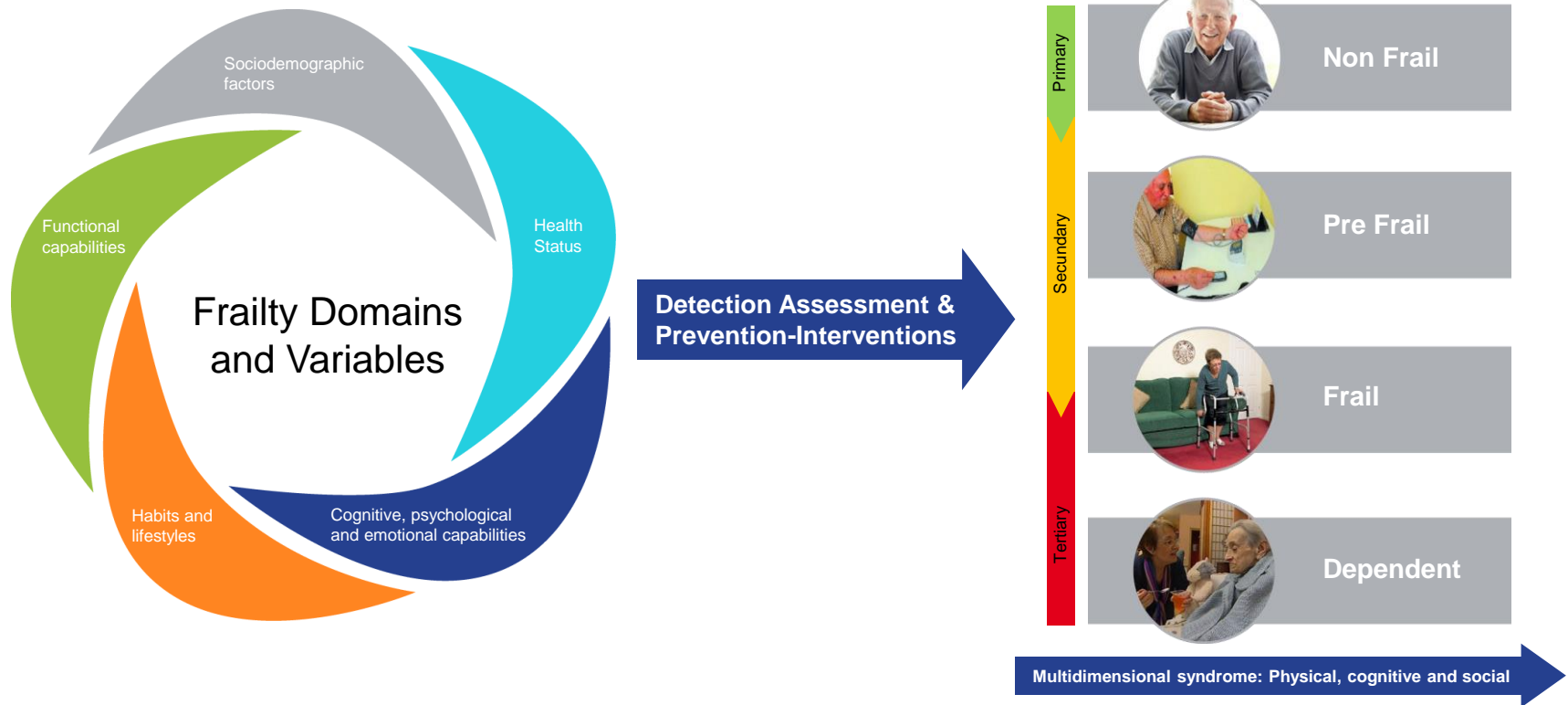
	Universities	Research Centres	Enterprises
Clinical	 UNIVERSITÀ DEGLI STUDI DI TORINO 		
Technology & Models	 Loughborough University  UNIVERSITÄT SIEGEN	 Fraunhofer PORTUGAL  IBV  I S M B Istituto Superiore Merio Boella	 VITALINQ HEALTHY LIFESTYLE SUPPORT  xp institute of experimental psychophysiology  JINS MEME  KAASA SOLUTION <i>see what's next</i>
End-users	 Deutsche Sporthochschule Köln German Sport University Cologne  University of the Sunshine Coast  東北大学  札幌医科大学	 DIE JOHANNITER Aus Liebe zum Leben  HOCHSCHULE BOCHUM	 gesmed

The project

<http://www.activeageing.unito.it/>

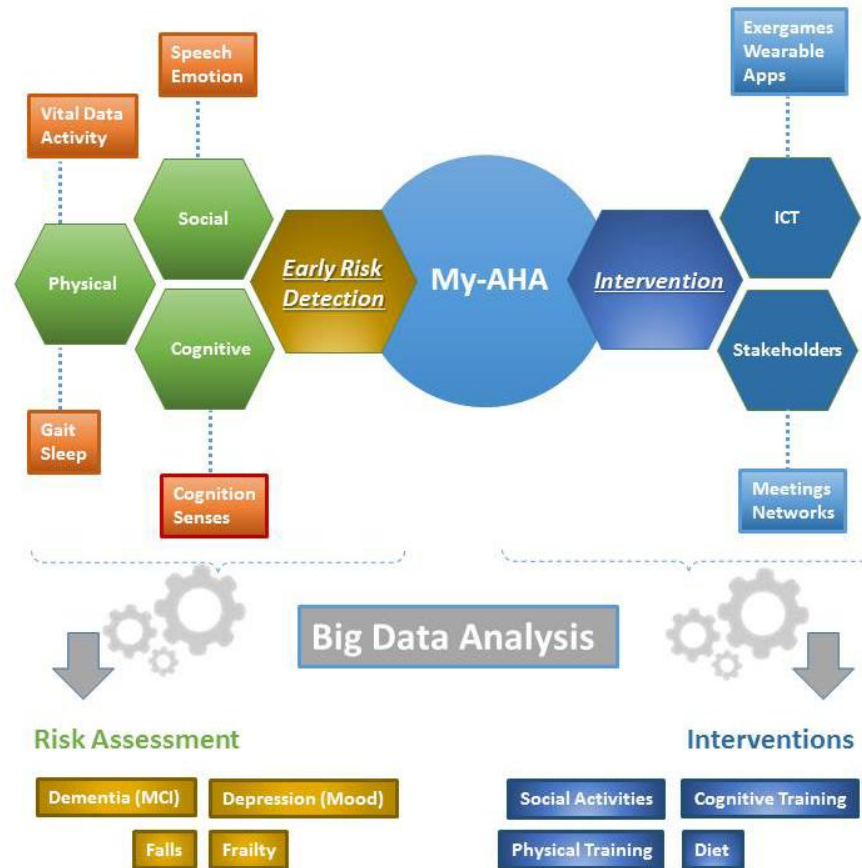


4. The Project

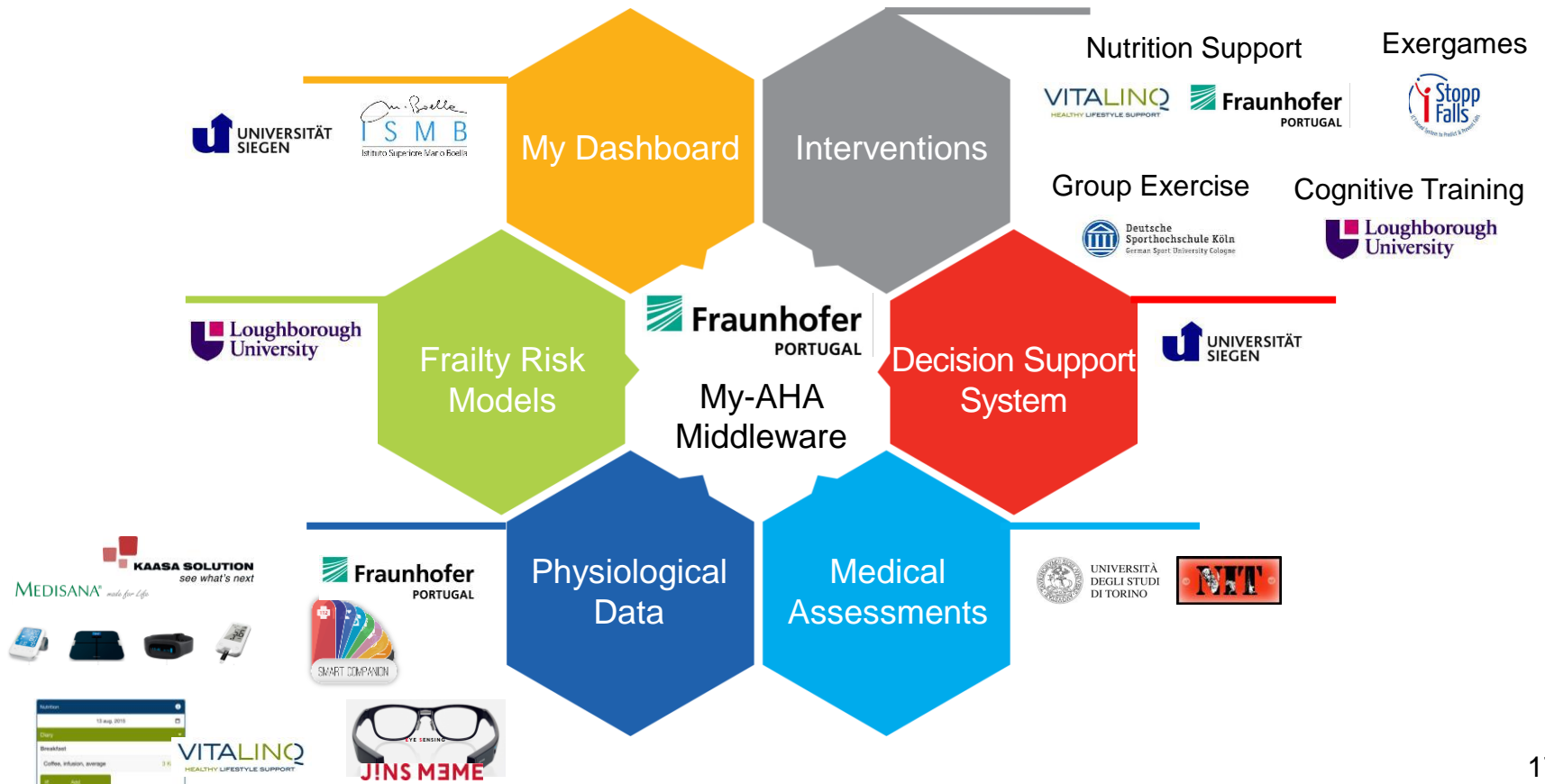


4. The project

My-AHA Approach



4. The Project



Questions?





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