LINK

Linking Excellence in Biomedical knowledge and Computational Intelligence Research for personalized management of CVD within PHC

A twinning example – The LINK project

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Link

- Linking Excellence in Biomedical knowledge and Computational Intelligence Research for personalized management of CVD within PHC

- Grant Agreement No: 692023

- Start Date: 1st January 2016
- End Date: 31st December 2018

- Total Budget: 1,010,590.00€

The Consortium

3 **partners**
3 **countries**

UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

POLITECNICO
MILANO

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Objectives

☐ **Objective 1:** To define a research agenda

- ☐ Establishment of a research forum for intelligent algorithms for PHC in CVD management.
  - ◼ Industry: Philips, IntelliCare, VTT, Medtronic, TSB
  - ◼ Academic: California University, Georgia Tech, Uni. Zagreb,
  - ◼ Professional Societies & Professionals: IFMBE, IEEE-EMBS, European Cardiology Society, Portuguese Cardiology Society, HL7 Foudation, ISfTeH, several hospitals
  - ◼ Decision Makers: Portuguese Health Ministry, Croatian Health Ministry
  - ◼ Patients: European Patient Forum, Patients like me

- ☐ Contact with fundamental stakeholders in the field to help identifying key gaps and barriers

- ☐ Definition of a research agenda for intelligent algorithms for PHC in CVD management.

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Objectives

- **Objective 2:** To deepen the link between research institutions in a sustainable way
  - Identification, planning and implementation of common research tracks.

  - Successful definition of concepts and project proposals for H2020 framework.

  - Definition and implementation of a structured common data repository and a pool of common resources.

Objectives

- **Objective 3:** To enhance S&T excellence in intelligent algorithms for PHC for CVD management.
  - Develop research track

  - Exchange and internship program of researchers

  - Co-advisement of PhD students and post-docs

  - Successful definition of PhD thesis and post-doc themes as well as competitive grant applications

  - Increase of common journal and conference publications
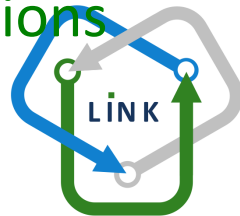
Objectives

☐ **Objective 4:** To increase <u>international impact </u>and recognition

- ☐ Definition of curricula and training materials for advanced training programs for intelligent algorithms for PHC in CVD management
    - ■ Contribute to IEEE and IFMBE
    - ■ Participation on the Health Informatics Book Series by the Health Informatics WG of OFMBE

- ☐ Organization of major international conferences and workshops in the field
    - ■ IEEE-BHI 2016 – Special Session
    - ■ PAHCE 2016 – Special Session & Round Table
    - ■ CBEB 2016 - Workshop
    - ■ IEEE-EMBC 2016 – Special Session
    - ■ Medicon 2019

- ☐ Co-organization of summer schools
    - ■ IEEE – Biomedical Signal Processing
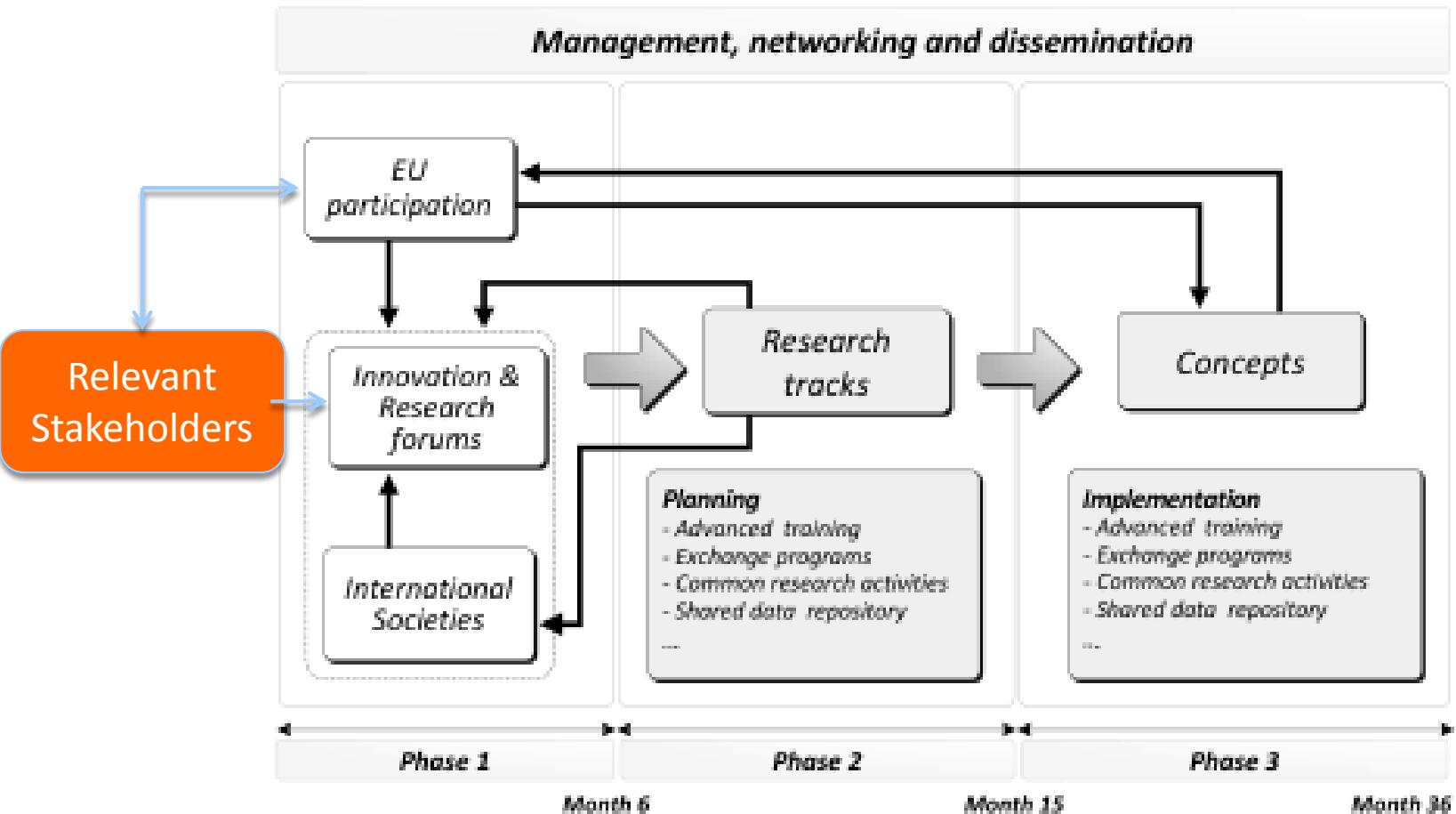
- ☐ Organization of special issues of Journals

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Objectives

- **Objective 5:** To enhance Innovation and Inclusion
  - Establishment of an innovation forum in order to identify gaps, industrial needs and best practices to foster innovation culture in PHC

  - Define of a roadmap for EU research widening and participation
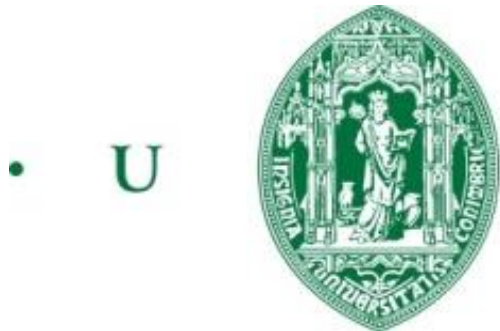
The Approach

WP organization
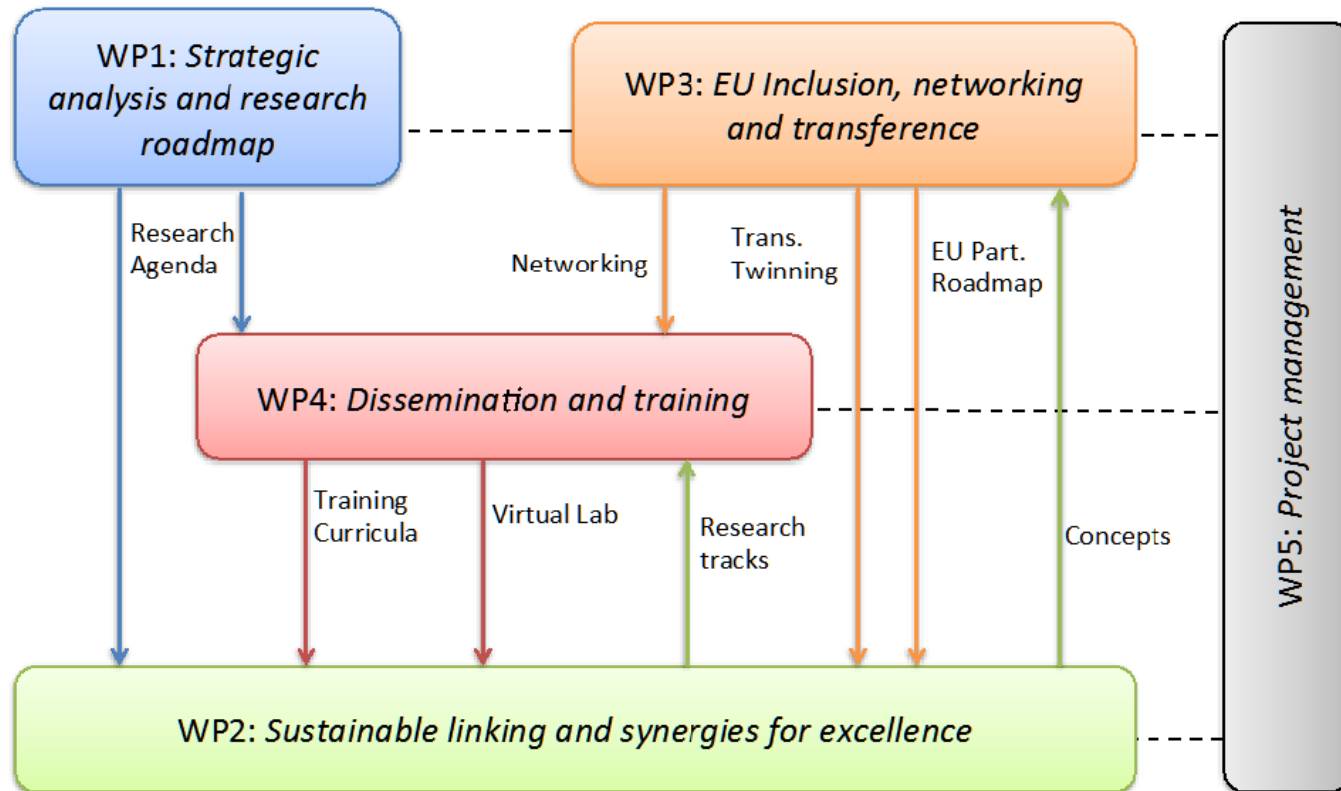
Conclusions

- LINK:
    - Define a network to research and develop solutions for key barriers in PHC for CVD management (focused on ICT/intelligent algorithms)

- Explore Synergies
    - Identify current status and common relevant key barriers
    - Define research agenda
    - Continuum of Cooperation
        - Research tracks
        - Common projects
        - PhD student exchange
        - Concepts and projects
        - …

□ Thank you