CONNECARE

CONNECARE

Personalized Connected Care for Complex Chronic Patients

Eloisa Vargiu & The CONNECARE Consortium

CONNECARE

Aim & Objectives

CONNECARE

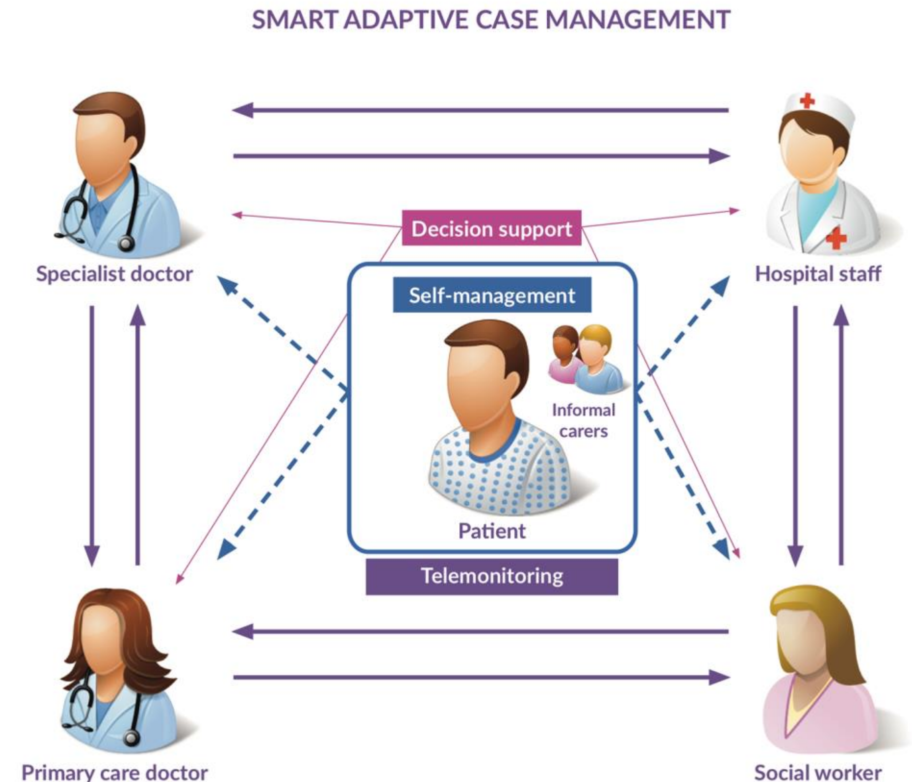
Aim & Objectives

The Challenge

- More sustainable and optimized use of healthcare resources

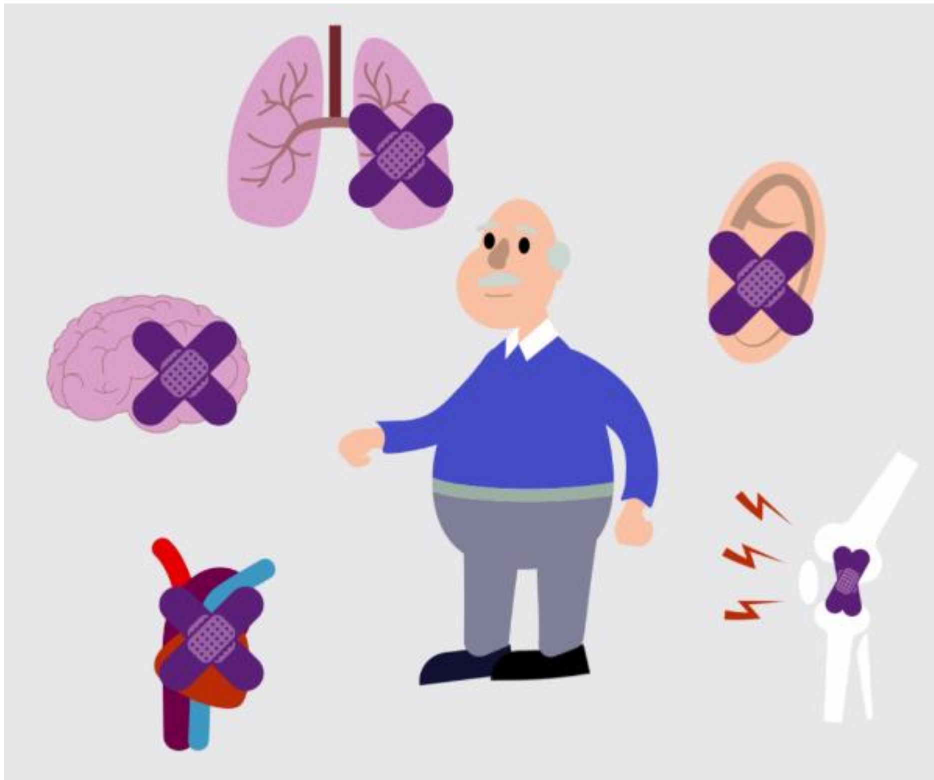
- Engaging patients with a 360º approach
- Self-management for patient empowering

- Collaborative and adaptive support to professional staff
- Support for decision making



Aim & Objectives

The chronic complex patient



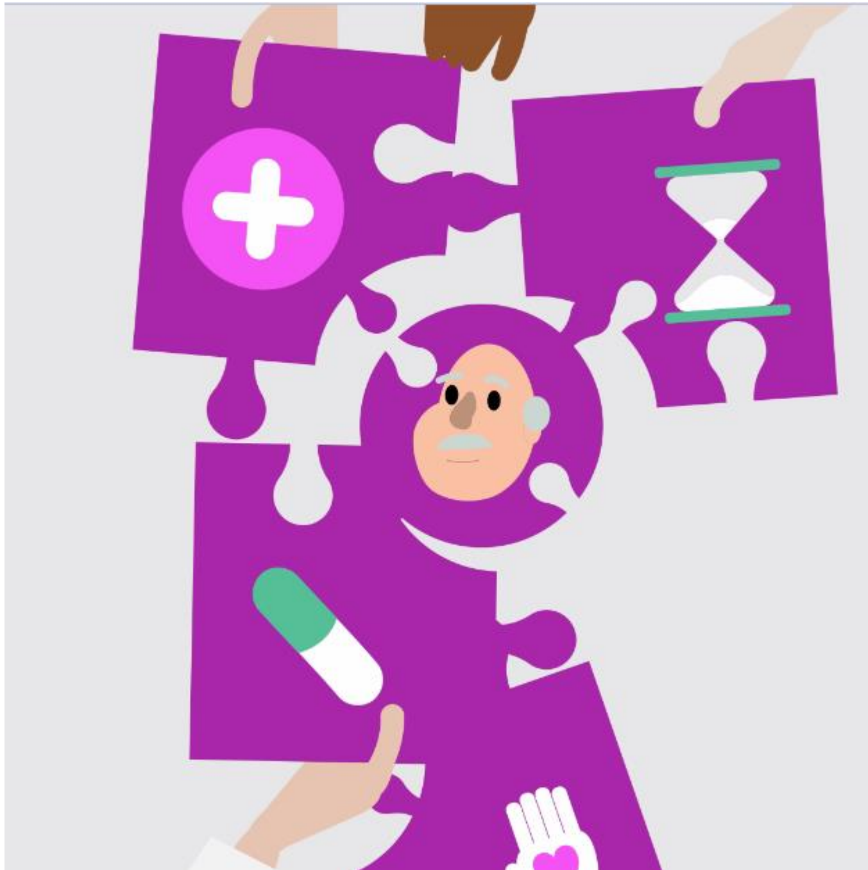
- Frail (due to social, economic and/or clinical factors)
- Usually elderly
- With multi-morbidities
- Who requires provision of care by several health professionals pertaining to different medical disciplines and working in different healthcare tiers

CONNECARE

A 3D Paradigmatic Shift

A 3D Paradigm Shift

Organizational Shift



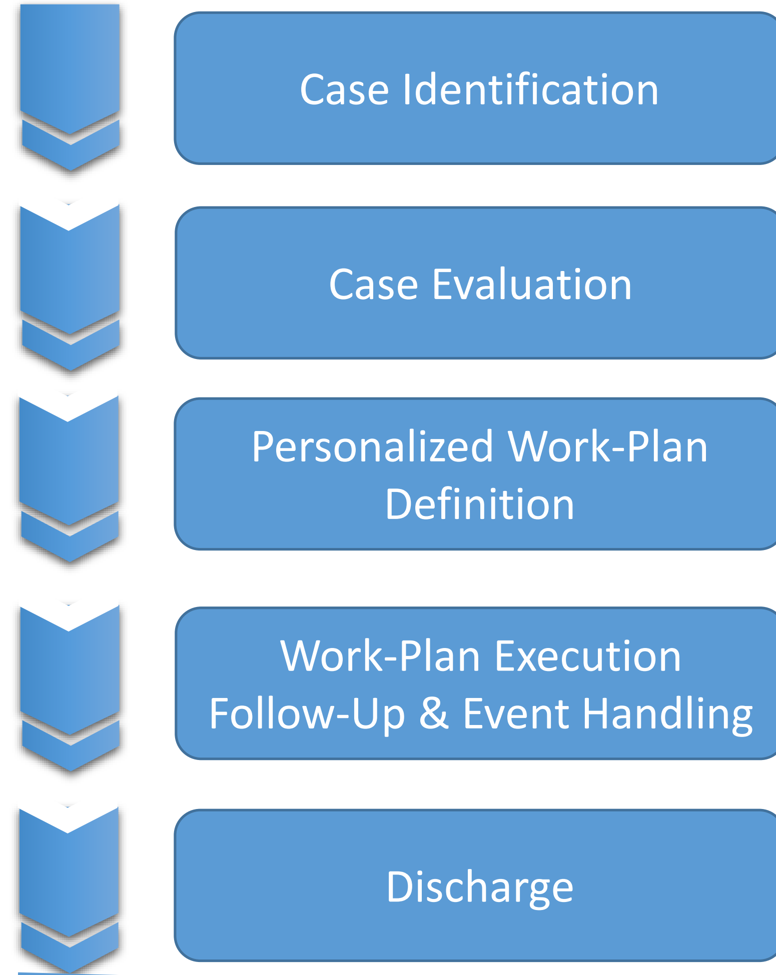
- Making health and social care systems interoperable
- Promoting collaboration among care settings
- Moving from institutional reactive care to a home-based preventive model

CONNECARE

A 3D Paradigm Shift

Care and Social Services Shift

- Health risk prediction
  - operational population-based tools
  - a patient-based five-dimension scoring strategy



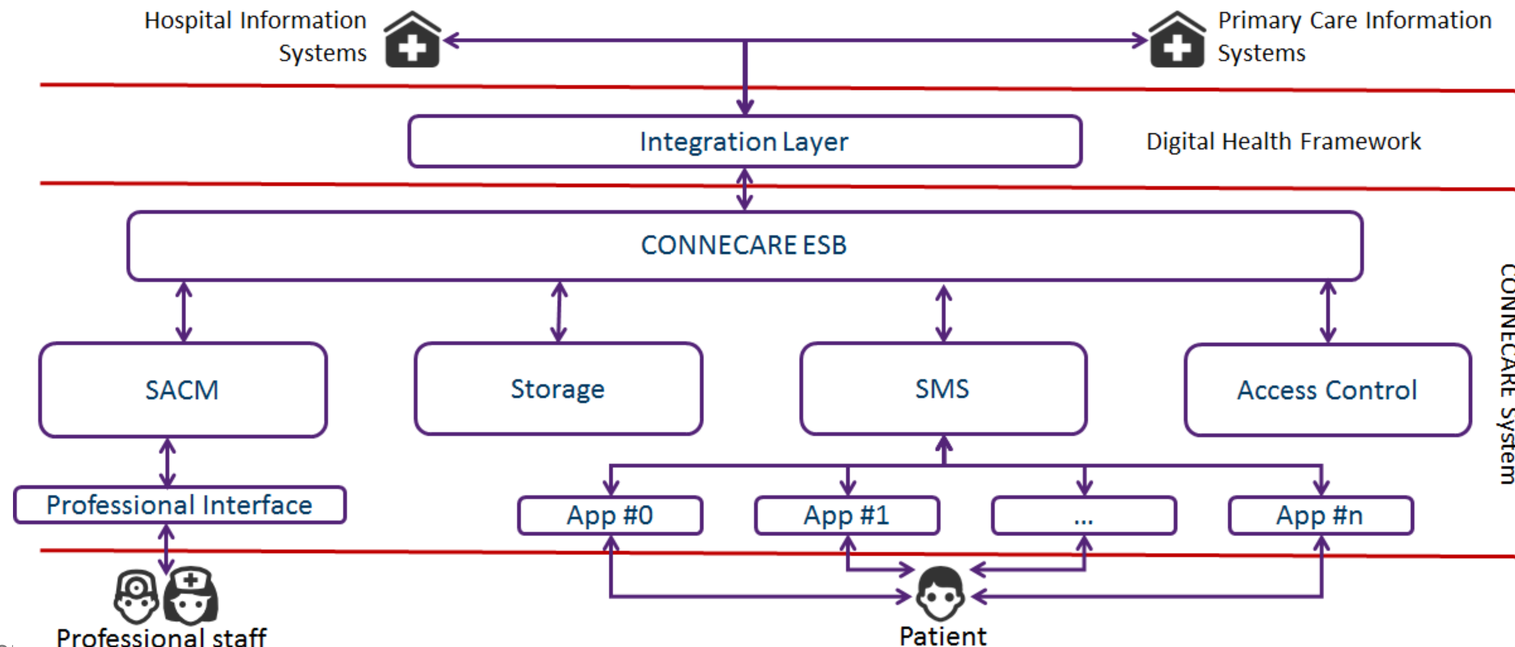
CONNECARE

A 3D Paradigm Shift

Technological Shift

- A CONNECARE system which leverages existing assets from partners, fully integrated with management systems in place

- Smart Adaptive Case Management
- Self-management
- 3-level monitoring features



CONNECARE

The Approach

CONNECARE

The Approach

The Basic Concept

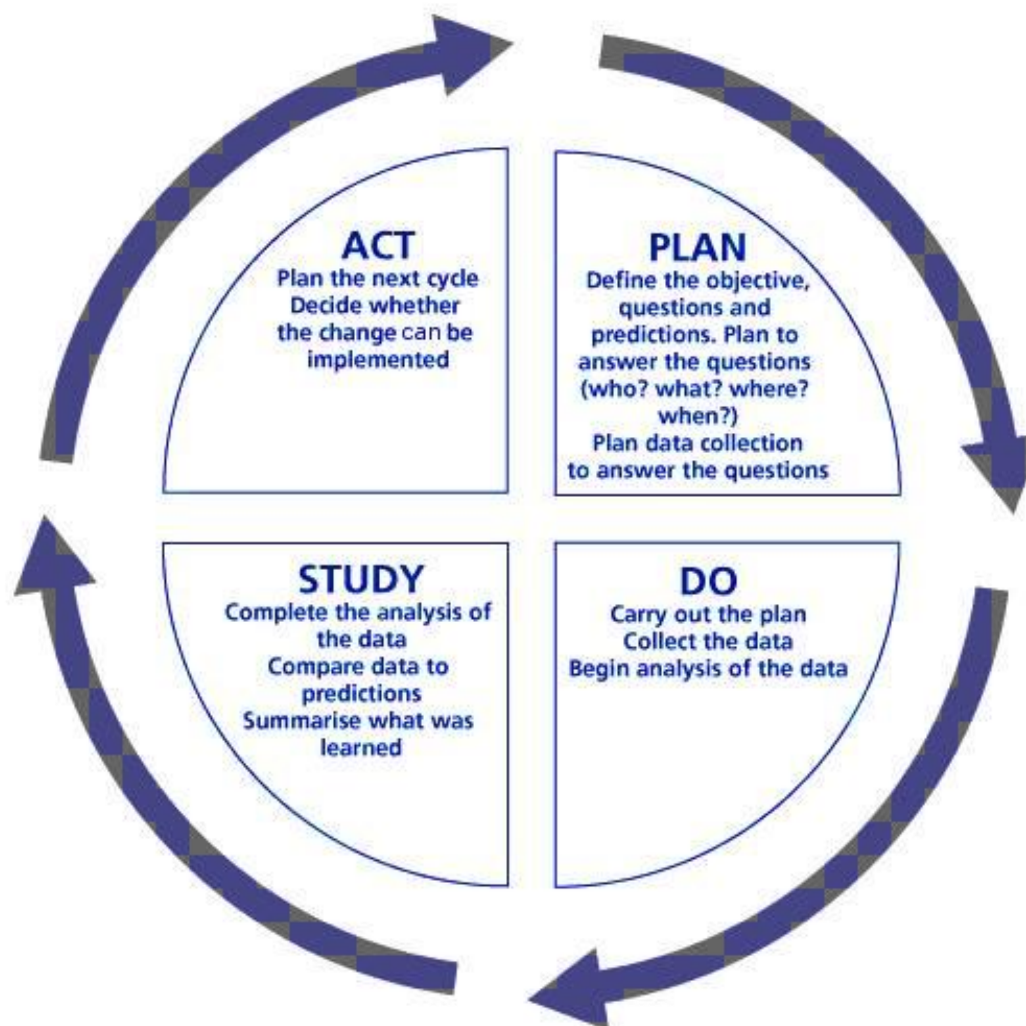
- CONNECARE is based on the concept of 4P medicine
  - Predictive
  - Personalized
  - Preventive
  - Participatory

- CONNECARE will provide
  - Decision support for the adaptive management of personalized clinical pathways
  - Tools to monitor patients' activities and status
  - Recommendations to self-manage patients' condition

CONNECARE

The Approach

Iterative Co-Design



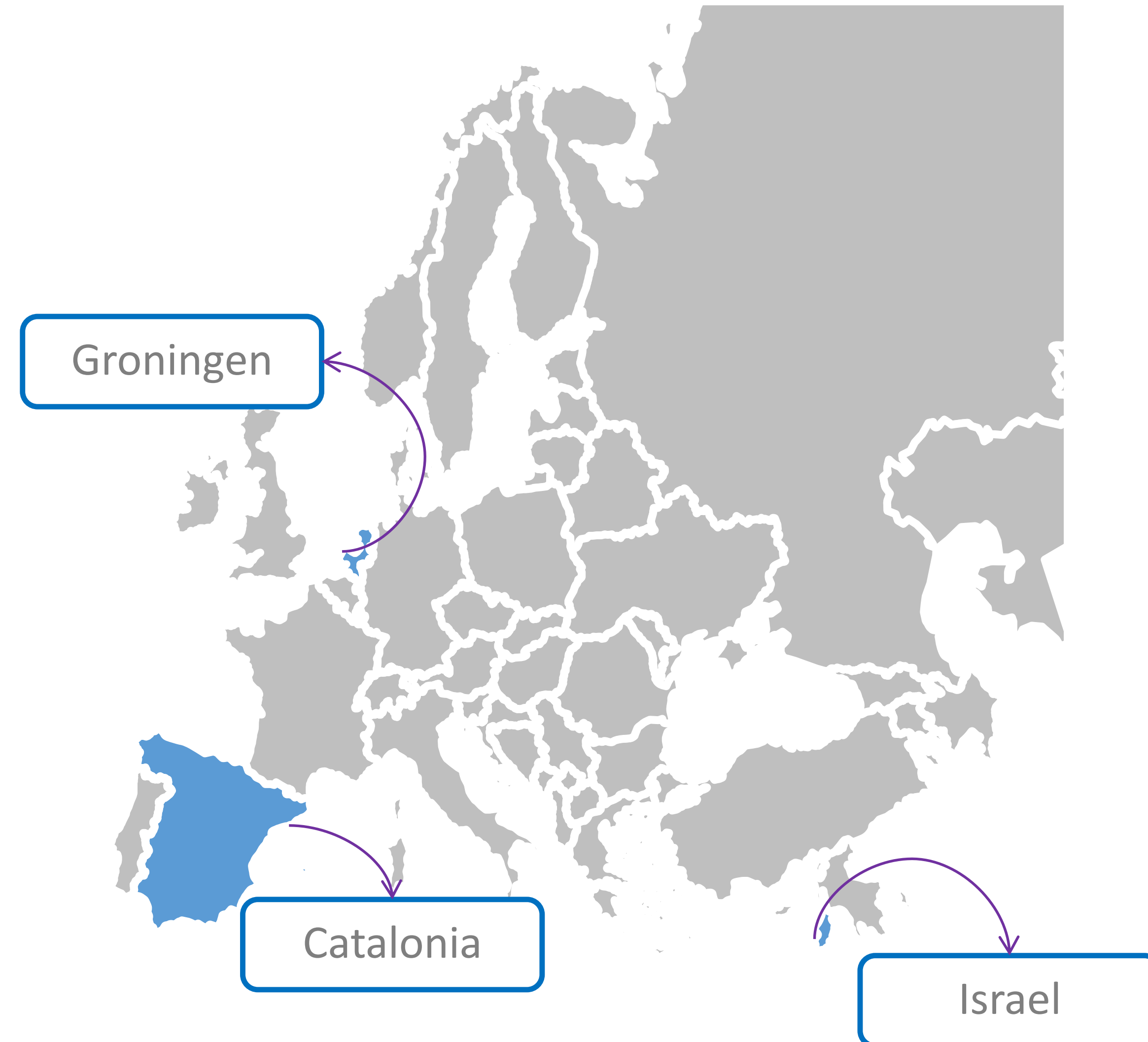
CONNECARE

The Approach

Clinical Studies

➤ Three case studies

- Community-based prevention of unplanned hospital-related events in chronic complex patients with high risk for hospitalization
- Preventive patient-centered intervention in complex chronic patients undergoing elective major surgical procedures
- Pre-habilitation intervention in high risk candidates for major surgery



Conclusion

CONNECARE

Conclusion

- Some 70% of hospital beds in Europe are occupied by people with chronic long term conditions
- The project aims to reduce costs and improve patient outcomes by improving the integration of long term care for those chronically sick with more than one long term condition
- The CONNECARE consortium will co-design with patients, develop, implement, and evaluate a novel smart-adaptive integrated care system

Thanks
Bedankt תודה Gràcies
Grazie Danke

Eloisa Vargiu
Manager of Integrated Continuous Care research line at EURECAT-Centro Tecnológico de Catalunya
Barcelona Area, Spain | Research
Previous: Barcelona Digital Technology Centre, University of Cagliari, CRS4
Education: Università degli Studi di Cagliari
eloisa.vargiu@eurecat.org

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 689802