



# Northern Excellence in Active and Healthy Ageing Symposium

Tuesday 6<sup>th</sup> June 2017, Horizon Leeds



# Symposium Agenda

<b>Registration</b>	<b>08:45 – 09:30</b>
<b>Welcome Address, Richard Stubbs</b>	<b>09:30 – 09:45</b>
Keynote 1, Professor Maddalena Illario	09:45 – 10:15
Keynote 2, Professor Martin Vernon	10:15 – 10:45
Northern AHA Exemplar Practice – Yorkshire and Humber	10:45 – 11:00
<b>Coffee Break</b>	<b>11:00 – 11:15</b>
Northern AHA Exemplar Practice – North East	11:15 – 11:30
‘Raising the Bar’ Lessons from Wales, Scotland and Northern Ireland	11:30 – 11:50
Domestic, European and Global Partnership Working	11:50 – 12:10
Morning Speakers’ Panel Q&A	12:10 – 12:30
<b>Lunch and Group Photo</b>	<b>12:30 – 13:00</b>



YORKSHIRE & HUMBER  
ACADEMIC HEALTH SCIENCE NETWORK

IA Improvement Academy

# A Call to the North

## A Region Rising to the Ageing Challenge



Richard Stubbs

Managing Director  
Yorkshire & Humber Academic Health Science Network

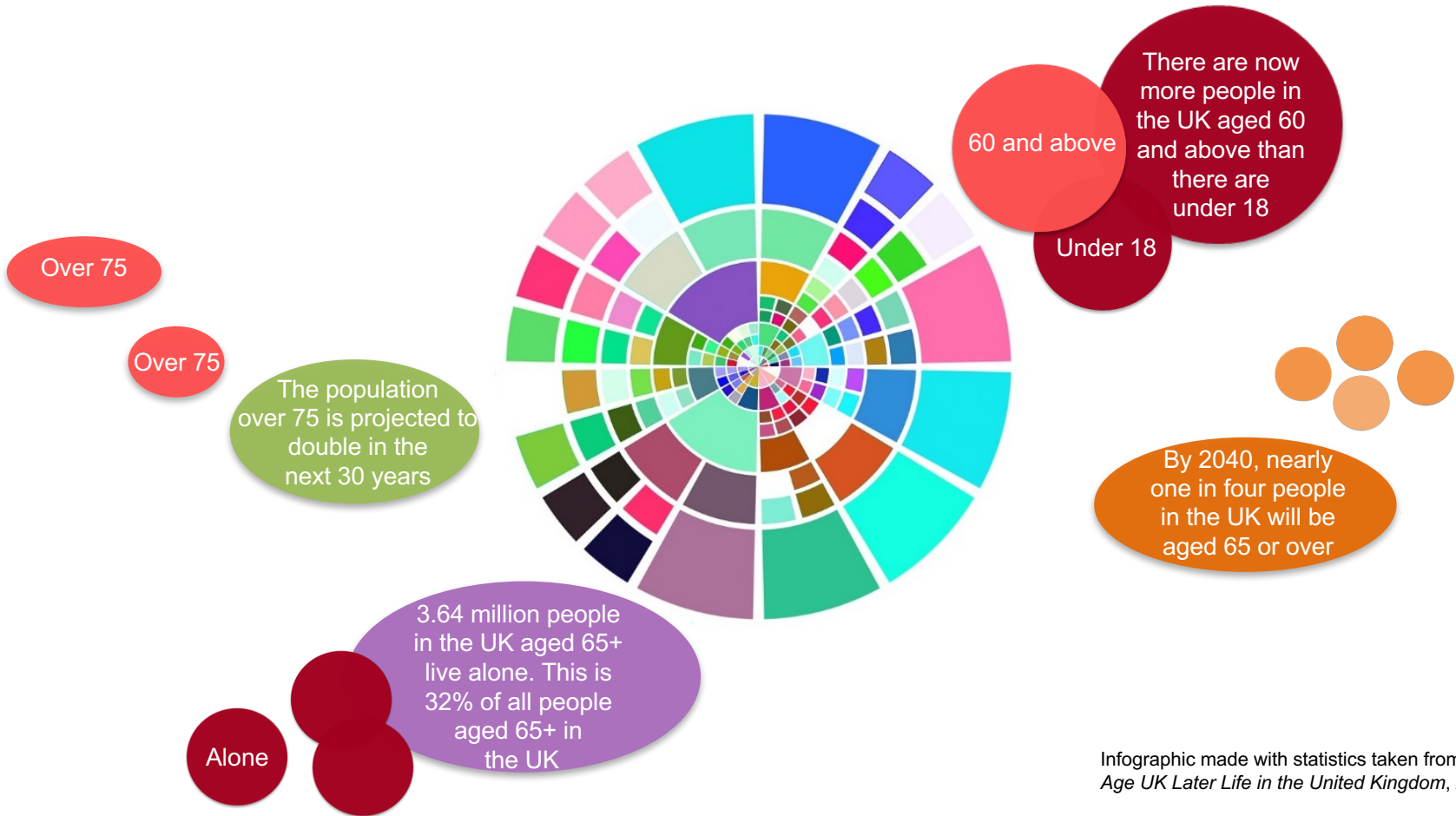
[@richarddstubbs](#)  
[@AHSN\\_YandH](#)





# If numbers could speak

## Reasons the ageing challenge cannot be ignored



Infographic made with statistics taken from *Age UK Later Life in the United Kingdom*, April 2017





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# The Northern Story So Far



electronic frailty index (eFI)



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European Reference  
Site Status



Newcastle  
University



The Four AHSNs, Newcastle University's NE Coalition for Active and Healthy Ageing and the NHSA have come together to form the AHA North Programme



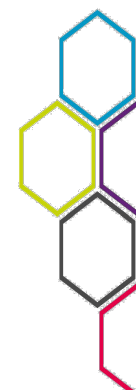


# Leading the way Our Ambition for the future



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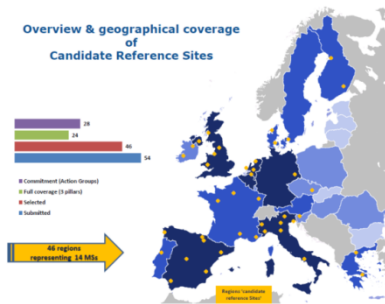
# Campania's Experience in the European Innovation Partnership on Active and Health Ageing (EIP-AHA): Challenges and Enablers

Maddalena Illario  
Coordinator of the Division for Health Innovation  
Campania Region  
Campania Reference Site & RSCN

 @Eipaha\_campania



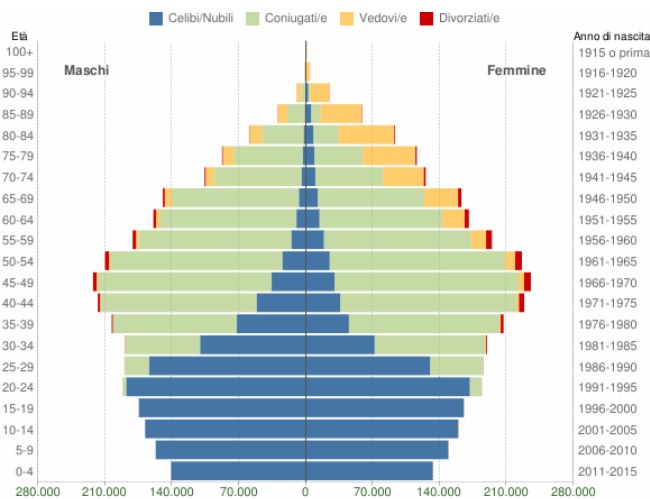




**5,869 million residents**

Third most populated region

The most crowded: 432 inhab/km<sup>2</sup>



Popolazione per età, sesso e stato civile - 2015  
 CAMPANIA - Dati ISTAT 1° gennaio 2015 - Elaborazione TUTTITALIA.IT

Ageing index: 117 (2016, was 77.2 in 2002)

Mortality rate National Average: 10

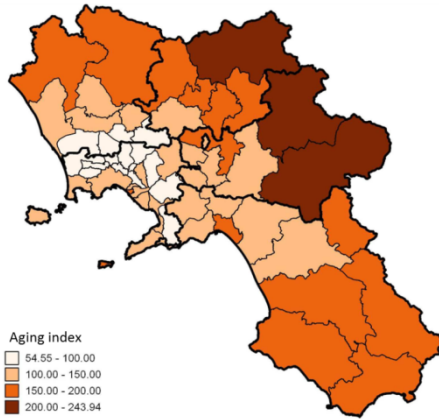
Mortality rate in Campania Region: 8.9 (2016, was 8.2 in 2002)

Older adults dependency index: 26.7 (2016, from 21.2 in 2002)

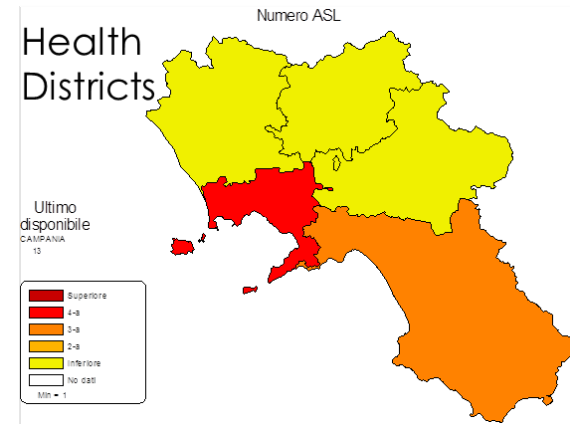
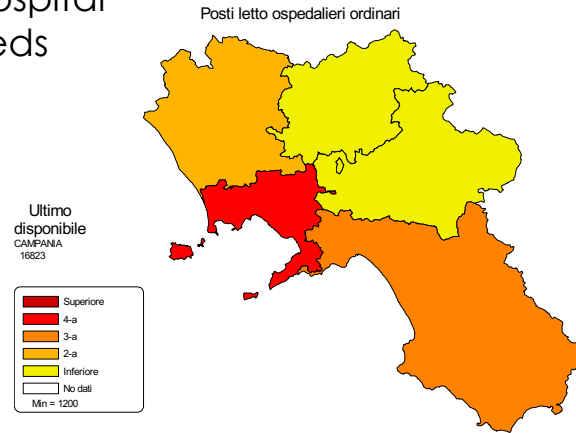
Older adults (>65): 17.9 (2016, from 12.3 in 2002)

Life expectancy Campania Region / National Average (F, 2016):  
 83.5 / 85.1

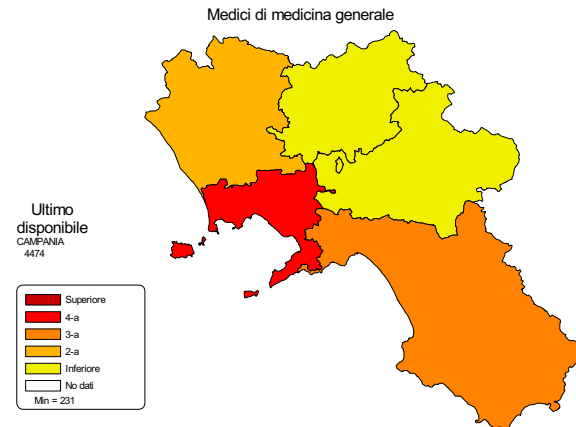
Life expectancy Campania Region / National Average (M, 2016):  
 78.9 / 80.6



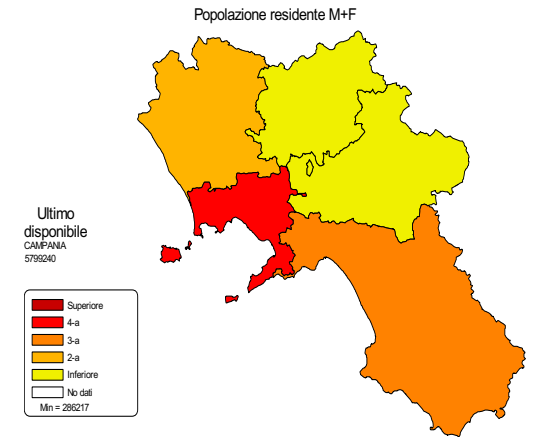
## Hospital Beds



## GPs



## Residents



## From a societal challenge...



### Dependency rate

- From 1:4 to 1:2
- 80+ doubles by 2025



### Cost of care

- Increase by 4-8 % of GDP by 2025



### Human resources

- Reduction of labour work force
- Lack of 20 million units by 2020

## ...to a great opportunity



### Empowerment

- Active Ageing



### New models of care

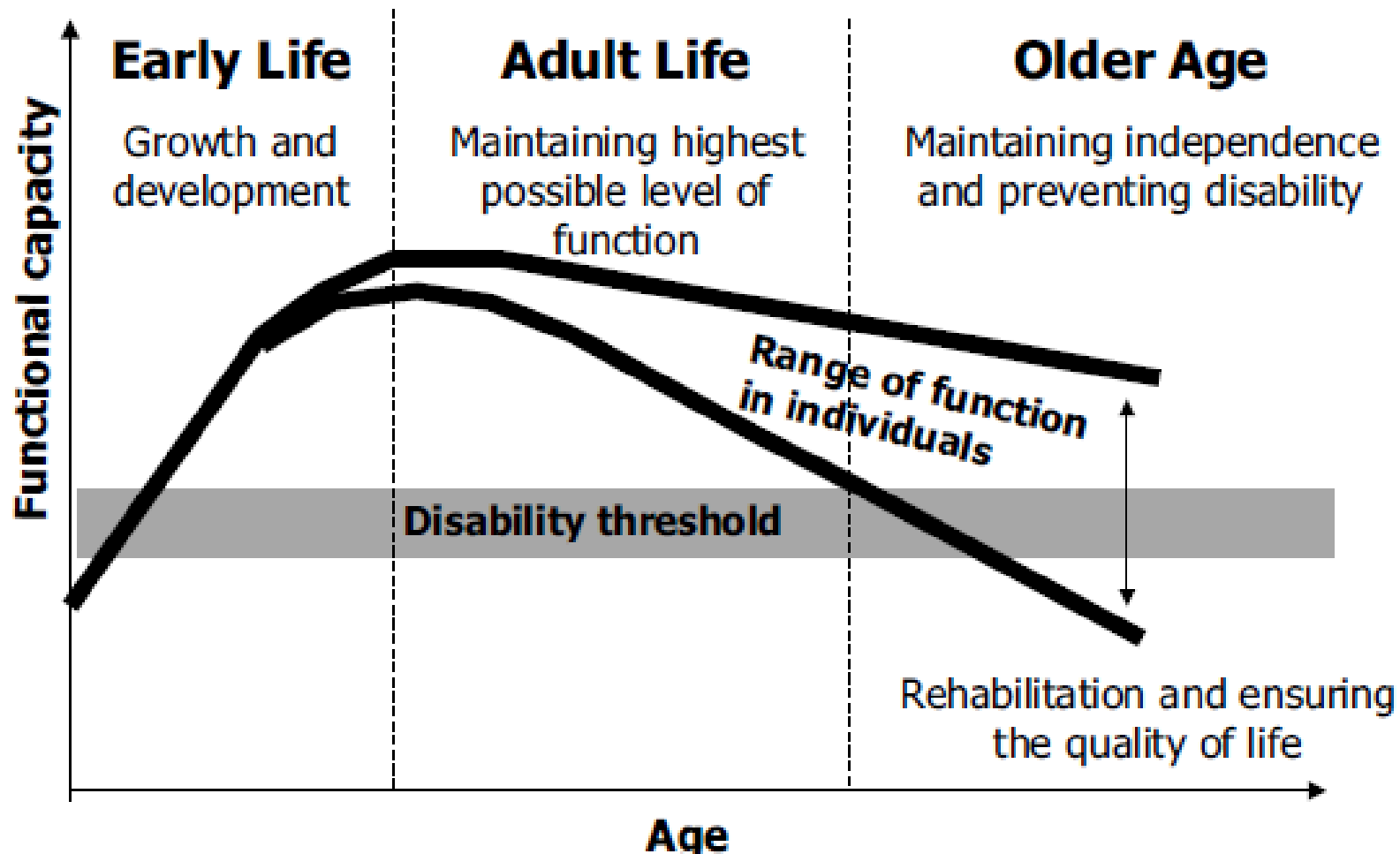
- Home care
- Integrated care
- Effectiveness



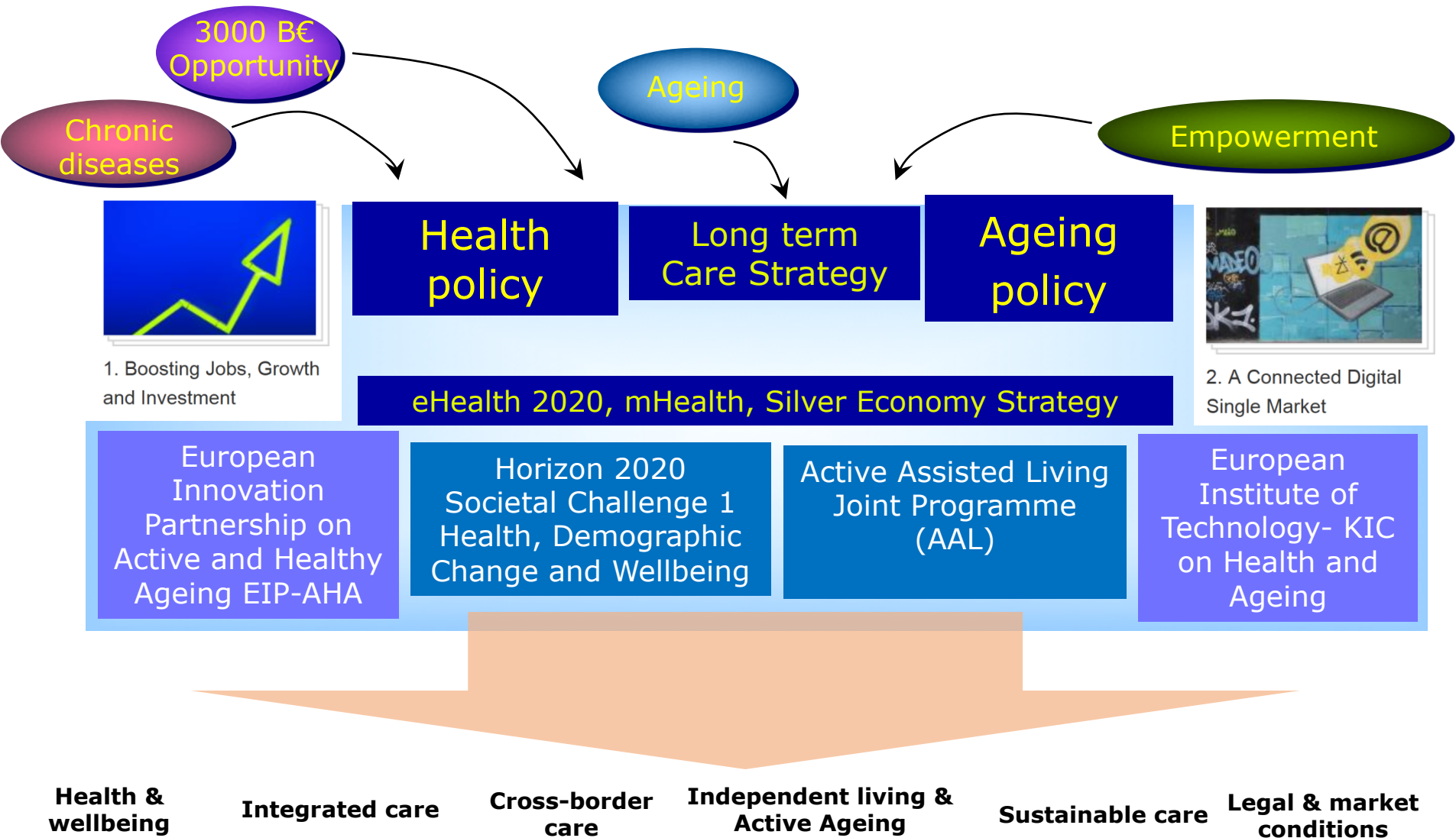
### Growth and Markets

- 3000 B€ wealth
- 85 Million Consumers - and growing
- Large scale uptake of digital innovation

# A Life Course Approach to Active Ageing



# A VERY COMPLEX EU POLICY LANDSCAPE



# Tackling the digital innovation challenges

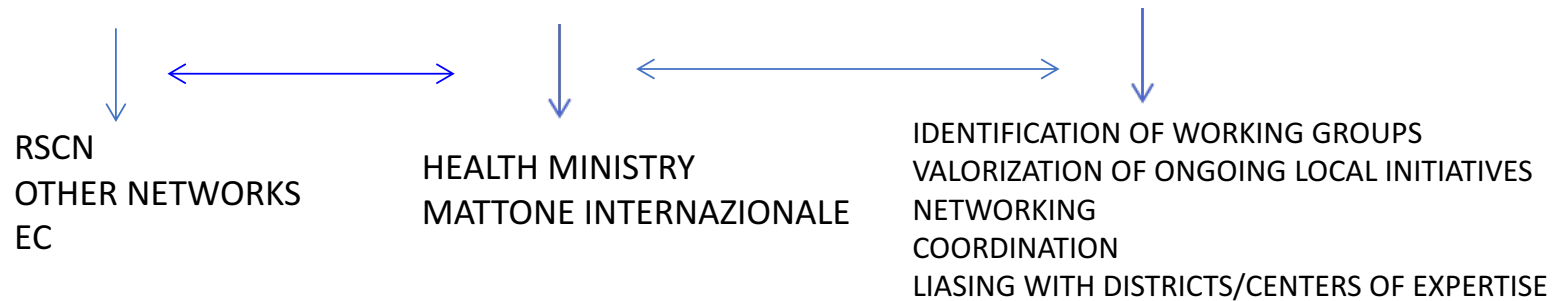
- to integrate health and social care
- promoting social transformation
- containing cost and staffing levels
- providing growth opportunities in sectors directly linked to these issues.
- 54 sustainable employment and job market participation for both informal carers and for older citizens themselves
- opening up avenues for investment and employment elsewhere.

**Digital innovation can help unlock the potential of technology to address societal needs: From SMART CITIES to SMART CITIZENS to address local challenges by shared solutions**

## EIP-AHA CAMPANIA RS

### **THREE-FOLD LEVELS STRATEGY**

ACROSS EUROPEAN, NATIONAL AND REGIONAL LEVELS



**PRIORITY ISSUES**

**ICT-INTEROPERABILITY**

**SOCIAL-HEALTH INTEGRATION**

**HEALTH & ICT LITERACY**

**MULTI-DIMENSIONAL APPROACH TO AGEING**

**INTERNATIONAL  
APPROACH**



# BLUEPRINT

DIGITAL TRANSFORMATION OF HEALTH AND CARE FOR THE AGEING SOCIETY

**Objective 1:** "connects the dots" of a very complex EU policy landscape on digital health and care and active and healthy ageing. Create an overarching "political vision" that is aligned with the major priorities of the Juncker Commission.

**Objective 2:** A Blueprint will establish a "common language" based on a shared and widely recognised impact assessment framework for digital health and care innovation.

**Objective 3:** Inform the "direction of travel" of existing and future EU initiatives on digital health and care.

**Objective 4:** A Blueprint will aggregate investments and commitments towards the goals identified in the "blueprint".



**QUARTER 1 /  
QUARTER 2**

**DEFINE USE-CASE SCENARIOS**

**USE-CASE SCENARIOS**

**EUROPEAN REGIONAL  
MAPPING OF  
INVESTMENT  
COMMITMENTS**

50+ REGIONS DEPLOYING  
LARGE-SCALE, SUSTAINABLE,  
DIGITALLY-ENABLED  
INNOVATIVE SOLUTIONS FOR  
DIGITAL HEALTH AND ACTIVE  
AND HEALTHY AGEING.

ORGANISED ACCORDING TO:  
- AREA OF INTERVENTION  
- NEED IDENTIFIED (TO BE  
ADDRESSED BY  
INVESTMENT)  
- MODEL OF INVESTMENT  
(PROCUREMENT ETC.)  
- AMOUNT INVESTED  
- TIMEFRAME OF  
INVESTMENT (SET-UP -  
RUNNING SOLUTION)

**INNOVATIVE PRACTICES  
REPOSITORY  
(EVIDENCE-BASE)**

50+ INNOVATIVE PRACTICES  
WITH ROBUST OUTCOME  
INDICATORS READY TO BE  
TRANSFERRED.

GROUPED UNDER  
CATEGORIES' AREAS OF  
INTERVENTION EG.  
• INTEGRATED CARE  
• FALL PREVENTION  
• ADHERENCE TO MEDICAL  
TREATMENT  
• ETC.

5-10 USE CASE  
SCENARIOS /  
PRIORITY AREAS OF  
INTERVENTION BASED  
ON HIGH SOCIO-  
ECONOMIC RETURNS

**QUARTER 3 /  
QUARTER 4**

**TRACKING OF BLUEPRINT COMMITMENTS – PROGRESS TOWARDS OBJECTIVES**

**NUMBER OF REGIONS DEPLOYING  
INNOVATION AT LARGE SCALE  
(MONITORING)**

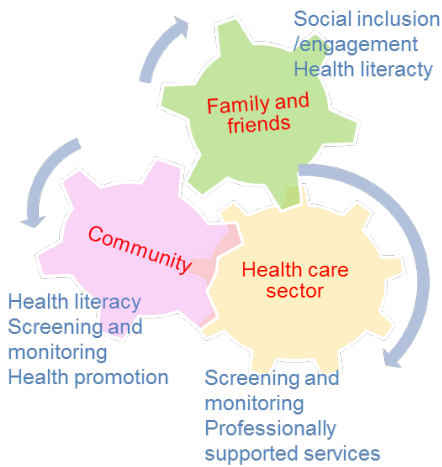
**TRACKING INVESTMENT IN DIGITAL  
INNOVATION BY PUBLIC AND  
PRIVATE INVESTORS**

**TRACKING NUMBER OF USERS /  
BENEFICIARIES TARGETED WITH  
ACTUAL DIGITAL SOLUTIONS FOR  
ACTIVE AND HEALTHY AGEING**



# CAMPANIA INTERNATIONAL GOOD PRACTICES

PERSSILAA Campania



**ADOPTION & EMPOWERMENT**

**Education Package**

Older adults Empowerment

ICT Literacy

Health and Nutrition Literacy

## **BENEFIT**

Transfer to the Regional Strategy on health promotion

## CAMPANIA INTERNATIONAL GOOD PRACTICES

*Beyond Silos Campania: ICT-supported integrated care*

*Nested in B3 Action Group of the EIP on AHA*

- Focusing on home care services
- Integrating ICT supported tools for multimorbidity patients
- Collecting data on interoperable platform
- Training workforce
- Connecting hospital and territory services



### **BENEFIT**

**«ADD Protection»:** aligning regional investment on innovation through SF  
Exploiting Beyond Silos tools to implement protected discharge

# CAMPANIA INTERNATIONAL GOOD PRACTICES

**SIMPATHY Campania:** managing politherapy to face the challenge of multimorbidity in the ageing population  
Nested in A1 Action Group of the EIP on AHA



- Older adults are likely to be prescribed multiple medicines for multimorbidities
- Polypharmacy is one of the most pressing prescribing challenges
- Case Studies
- Benchmarking EU Strategies
- Policy and Change Management
- Knowledge Sharing

## BENEFIT

Ministero della Salute  
«RICERCA FINALIZZATA» 2016 call

Risorse attualmente disponibili per il finanziamento dei programmi di rete – 24.000.000

Are tematiche	Regioni e Province autonome finanziatrici	Risorse regionali	Risorse del Ministero della Salute
Valutazione dell'efficacia degli interventi di audit e feedback per migliorare la qualità delle cure e ridurre l'eterogeneità di accesso alle cure efficaci nella popolazione italiana incluse le emergenze cardio e cerebrovascolari	Lazio, Emilia Romagna, Friuli Venezia Giulia, Piemonte, Calabria, Lombardia	3.600.000	3.600.000
Gestione delle multi morbidità dell'anziano con particolare riferimento al territorio, alla politerapia integrata e alla robotica riabilitativa	Liguria, Piemonte, Calabria, Campania	2.400.000	1.800.000
Strumenti standardizzati per la valutazione delle performance delle aziende sanitarie, la valutazione di efficienza e efficacia dei percorsi di cura erogati e la strutturazione di percorsi di audit clinico per il miglioramento della qualità delle cure incluse le emergenze cardio e cerebro vascolari	Lombardia, Umbria, Toscana, Liguria	2.400.000	2.400.000
Studio di metodiche avanzate per la diagnosi e per il monitoraggio della retinite pigmentosa e sviluppo di terapie innovative	Toscana, Sicilia	1.200.000	1.200.000
Sviluppo di nuove terapie immunitarie in oncologia attraverso l'uso di una piattaforma integrata di Precision Medicine	Toscana, Lombardia	1.200.000	1.200.000
Valutazione della appropriatezza nell'invio di pazienti oncologici pediatrici a trattamenti radianti con protonterapia e Ioni di carbonio	Provincia autonoma di Trento,	600.000	600.000
Analisi di determinanti di patologia metabolica nello sviluppo dell'obesità dall'età neonatale all'adolescenza (0-10) e valutazione di efficacia degli interventi di prevenzione	Campania	600.000	600.000
Sviluppo e valutazione di modelli e approcci diagnostici, terapeutici e riabilitativi nella presa in carico di pazienti con trisomia 21			600.000
		12.000.000	12.000.000



## The National Program for the internationalization of the Regional Health Systems

### What is it?

- Started as a project of the MoH
- Now a permanent structure
- Approved by the Health Committee of the Conference of the Regions on July 29th 2015
- Financially supported by the Regions
- Has now a work trajectory on active ageing supporting Italian Reference Sites

### Results

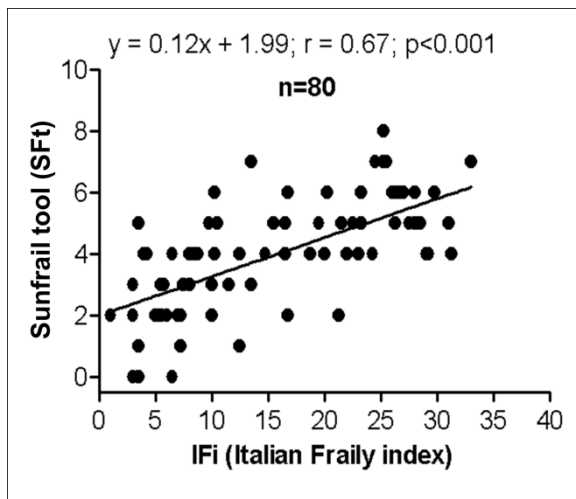
- Inclusive: involved all stakeholders of Health at the regional and national levels
- Innovative: an effective governance for projects with an added value for the Italian regions
- Enabling: scaling up methodologies, disseminating results and supporting stakeholders in the setting of valuable proposals
- Training: addressing tailored needs of the regional health systems

# Campania International Good Practices



## PILOT

**Validation of “Sunfrail tool” in comparison to Italian Frailty Index, based on deficits in health, in a cohort of non-institutionalized elderly people of Campania Region**



## CONCEPT

“Sunfrail tool” (SFt) represents an easy and short item consumption multi-domain screening tool (9 items) combining biological/physical, social and psychological/ cognitive aspects of frailty and multimorbidity.

Thus, the aim of the present study is to validate SFt to IFi in a cohort of non-institutionalized elderly people of Campania Region (Italy) performed by Geriatricians after CGA.

In fig. 1 are shown preliminary data of 80 elderly subjects.

## ADVANTAGE JOINT ACTION

“Managing Frailty. A comprehensive approach to promote a disability-free advanced age”

35 Partners

24 Paesi Europei

**Partner: Regione Marche - ARS**

**Affiliated entities: 4 Reference Site**

Regione Campania – AOU Federico II

Regione Emilia Romagna - ARS

Regione Liguria

Istituto di Ricerche Economiche e Sociali per il Piemonte

- Coordinates DISSEMINATION

- Is supported by the ProMIS



Co-funded by  
the Health Programme  
of the European Union

## PROEMPOWER:

# PROCURING INNOVATIVE ICT FOR PATIENT EMPOWERMENT AND SELF-MANAGEMENT FOR TYPE 2 DIABETES MELLITUS















- Is a **Pre Commercial Procurement** (PCP) founded by Horizon 2020 programme. It aims to procure a disease self-management solution to help meet the imminent threat of type 2 diabetes mellitus. Very significant synergies will be reaped by supporting all 10 action areas of diabetes management in an integrated ICT solution. Early detection, personal decision support, self management and peer support are to be delivered from a platform with full interoperable and secure access to the necessary devices and health records.
- **4 Procurers:**
  - Ministry of Health of Turkey
  - Servicio Murciano de Salud, Murcia, Spain
  - Servico Partilhados do Ministerio de Saude, Portugal
  - **Società Regionale per la Sanità SpA, Campania, Italy**
- **Procurement Budget: € 3.000.000**



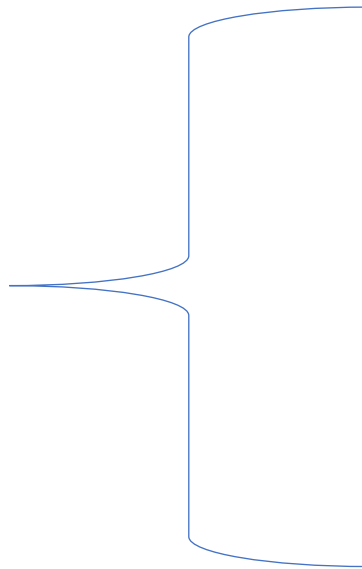


# THE OPPORTUNITY OF MULTILEVEL SYNERGIES IN THE EIP-AHA

EIP on AHA

	<p><b>Implementing innovative prevention and health promotion strategies to tackle frailty:</b></p>			<p>AG A3</p>
	<p><b>Prescription adherence</b> Management of polytherapy, revision of prescriptions, prescriptive appropriateness, clinical audits for general practitioners., informative campaigns aimed to citizens and involving pharmacists</p>			<p>AG A1</p>
	<p><b>Use of ICT for the integrated care of chronic patients:</b> - Designing, implementing and scaling up telematic follow-up for multimorbidity patients</p>		<p><b>ADD Protection</b> Bando Innovazione 2016 PO FESR</p> 	<p>AG B3</p>
	<p><b>Reference Sites Network for. Prevention and Care of. Frailty and Chronic Conditions in community dwelling persons of EU Countries</b></p>			<p>RSCN</p>
<p><b>Joint Action on Frailty Prevention: ADVANTAGE</b></p>	<p><b>Managing frailty. A comprehensive approach to promote disability-free advanced age in Europe.</b></p>			<p>RSCN AG A3</p>

# THE OPPORTUNITY OF MULTILEVEL SYNERGIES IN THE EIP-AHA



Loco-regional perspective



Multi-regional perspective



National perspective

## CAMPANIA COMMITMENT TO THE BLUEPRINT

### ***Priorities:***

- Health equity
- Integrated health services
- Innovative approaches to health promotion & disease prevention
- Integrated health record

### ***Resources:***

- Innovative procurements, H2020
- Regional strategic documents on circular economy
- Structural funds: RIS 3 Strategy; POR/FESR 2014-2020; ESF; Digital agenda

# HOW CAN OTHER STAKEHOLDERS JOIN IN

## **Partnerships**

- EIP on AHA Action Groups
- RSCN
- ProMIS
- Other EU Networks

## **Twinings**

- Telerevalidatie
- Gastrological approach
- Rhinitis
- QMCI
- Campania Nel Cuore

## **Innovative Procurements**

- ProEmpower
- CARE

## **International ESF**

- grounded in inter-regional agreement frameworks
- built on twinings content

## **AN INVESTMENT MAP WOULD BE USEFUL TO:**

- Match demand and offer
- Speed up adoption of innovations in health
- Drive private investments to target areas
- Stimulate public/private partnership
- Improve health equity
- Increase sustainability

# THANKS FOR YOUR ATTENTION!



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 @Eipaha\_campania

