Agder er utpekt rom referanseregion i Europa, hvordan henger dette sammen med pågående prosjekter som M4ALMO og planene for I4Helse?

Samarbeidskonferanse e-helse Agder, 10.03-2017

European Innovation Partnership on Active and Healthy Ageing

REFERENCE SITE

Rune Fensli

Professor/Forskningsleder

Senter for eHelse

Universitetet i Agder

rune.fensli@uia.no

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Agder, EIP on AHA Reference Site

European Innovation Partnership on Active and Healthy Ageing
REFERENCE SITE

Centre for eHealth is Lead Partner on behalf of the Agder-region (Quadruple Helix):

- Sørlandet Hospital, 30 municipalities, business partners, researchers and patient organizations, supported from Aust-Agder and Vest-Agder Counties.

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TOWARDS AN **AGE-FRIENDLY** EU

Commissioner Carlos Moedas for Research, Science and Innovation: *"In every EU Member State, the share of the population aged 65 years and over is increasing, which presents us with a ready-made, emerging market for social entrepreneurship and innovation, a sound case for developing cheaper, more efficient, personalised approaches to healthcare, and a growing customer base for tailored goods and services."*

Günther Oettinger, Commissioner for Digital Economy and Society: *"Europe is one of the continents with the oldest population world wide. This offers opportunities but also poses massive societal challenges to sustain our care and pension systems, and to maintain our quality of life. While seizing the opportunities of the Silver Economy, we must not deepen inequalities. Innovation for Active and Healthy Ageing must benefit our citizens - all of them."*

http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing&pg=silvereconomy

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From challenge to answer

From Societal challenge

Dependency Ratio

From 1:4 to 1:2

80+ doubles by 2025

Cost of Care

GDP by 2025 Cost of Care

Human Resources

Shrinking work force

Lacking 20 million carers by 2020

To Major Opportunity

Empowerment

Active Ageing

New Care Models

Home based

Integrated care

Large Efficiency gains

Growth and Markets

3000 B€ wealth

85 Million Consumers

– and growing

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Blueprint Goals 2018

BLUEPRINT
DIGITAL HEALTH & CARE INNOVATION
FOR EUROPE'S AGEING SOCIETY

Transforming the future of health and care

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Why EIP is important for Agder

Partners opportunities

- ***Learn*** **from others with shared interests or that have gone through similar challenges / opportunities**
- ***Contribute*** **in deploying large-scale, digitally-enabled innovative solutions for active & healthy ageing**
- ***Share and work together*** **for scaling-up innovative practices**
- ***Deliver creative and workable solutions*** **improving the lives and health of older people**

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What can EIP on AHA offer stakeholders?

EIP on AHA is not a funding line, but…

- Several calls for proposals (e.g. Horizon 2020) are inspired by and contribute to the work of EIP on AHA
- Opportunity to learn from best / innovative practices already implemented and measured (impact assessed).
- Sharing own experiences and ideas and seeking to establish new partnerships that will help scale up innovative AHA solutions across the EU / global markets – OR – accelerate investment into implementation of innovation at local regional level
- A 'quality mark' for stakeholders, recognition of excellence (for Reference Sites) and recognition of expertise and leadership for those leading Action Groups and synergies.

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Some highlights from the application:

- *Lead partner (on behalf of the Agder region):*
  - eHealth Centre, University of Agder (UiA) and Head of Office, the South Norway European Office
- *Geographical coverage:*
  - Aust-Agder and Vest-Agder Counties. 298 085 inhabitants, out of which 42 578 are above 67 years old
- *Partners mentioned by name:*
  - University of Agder, Centre for eHealth, Aust-Agder and Vest-Agder Counties, South Norway Health Authority (part of East and South Norway Health Authority), The Municipality of Kristiansand, The Municipality of Grimstad, Devoteam AS /Egde Consulting, Centre for Caring Research (UiA), The South Norway European Office AS

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Actual Pillars and involvements

- Pillar I: Prevention, Screening and Early Diagnosis
  - *A1. Prescription and adherence action at regional level*
  - *A2. Personalized health management, starting with a Falls Prevention Initiative*
  - *A3. Action for prevention of functional decline and frailty*
- Pillar II: Care and Cure
  - *B3. Replicating and tutoring integrated care for chronic diseases, including remote monitoring at regional level*
- Pillar III: Active Ageing and Independent Living
  - *C2. Development of interoperable independent living solutions, including guidelines for business models*?
  - *D4. Age-friendly cities, buildings and environments*?

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Actual projects and activities named:

- United4Health
- I4Health
- 3P
- TELMA
- ICT test network technologies/ test, verification and certification activities
- Agder Living Lab
- M4ALMO
- Alarm center service
- Interreg IVB North Sea project e-inclusion in ageing Europe /iAge/In for Care
- ALTAS Erasmus+ project
- Varslings- og lokaliseringsteknologi – behovskartlegging og erfaringsinnhenting
- Tools/processes/guidelines
- Education and training
- Standardisation and interoperability

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M4ALMO

- Planer for arbeidet 2017
- Fra analoge til digitale løsninger

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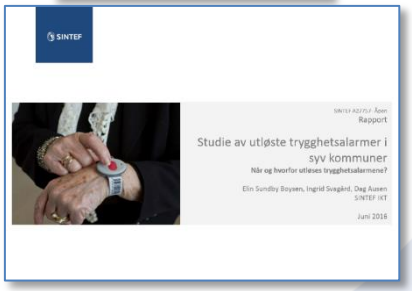
M4ALMO

Prosjektet «Modell for Alarmmottak» skal utrede funksjonalitet, tjenestemodeller og teknologistøtte for fremtidens digitale alarmsentral for mottak og oppfølging av alarmer og varsler fra ulike velferdsteknologiske løsninger samt telefonhenvendelser fra hjemmeboende.

Rapporter juni 2016:

- Responssentertjenester i helse- og omsorgstjenesten: Behov og fremtidsbilder
- Studie av utløste trygghetsalarmer i syv kommuner



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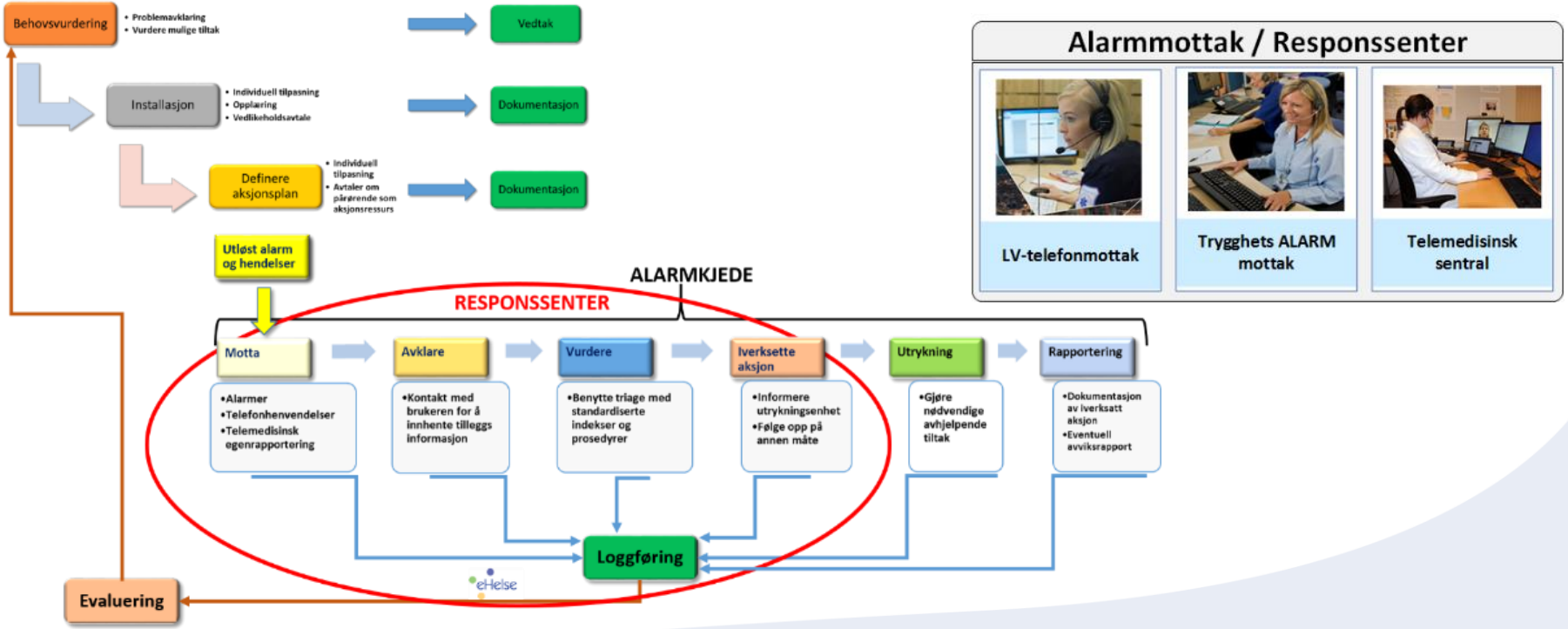
Responssenter for
for helse- og omsorgstjenester



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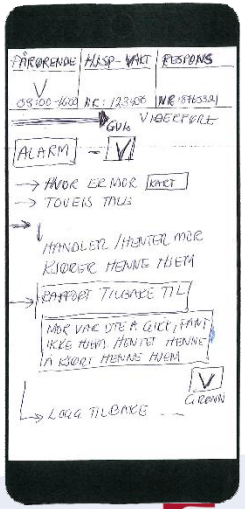
Samarbeid helsetjenesten – bruker - pårørende

- Pårørende en viktig ressurs
- Vanskelig i dag å ha kontakt og utveksle informasjon
- Behov for «Pårørende APP»?
- Utfordrer lovverket



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Pågående aktivitet

- Vurderer juridiske problemstillinger
- Vurderer pårørendeinvolvering
- Ønsker å se på Beslutningsstøtte systemer
- Skal se på implementasjon ~ Referansearkitektur

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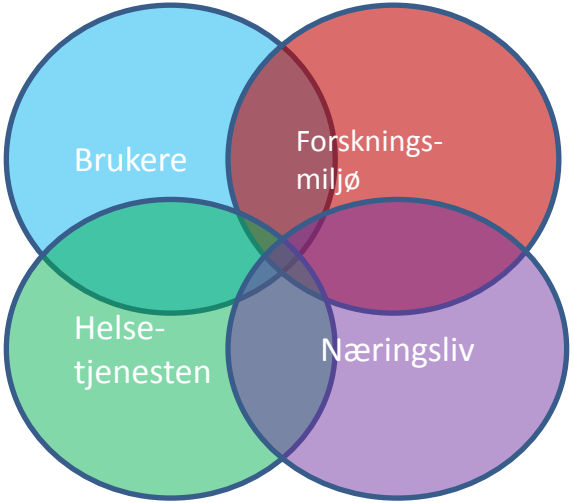
Hva er universitetets rolle?



'There is not a single key technology behind the iPhone that has not been State-funded' (Mazzucato, 2013: The Entrepreneurial State)

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UiA Visjon:
Samskaping av kunnskap

Samfunnsoppdraget:

Læring og utdanning for framtiden

Globalt mindset

Samfunnsengasjement og nyskaping

- ***UiA skal bidra til å løse framtidens komplekse utfordringer***

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Forskning:

Omsetting av **ressurser til kunnskap/ideer**

Innovasjon:

Omsetting av **kunnskap/ideer til løsninger** for samfunnet

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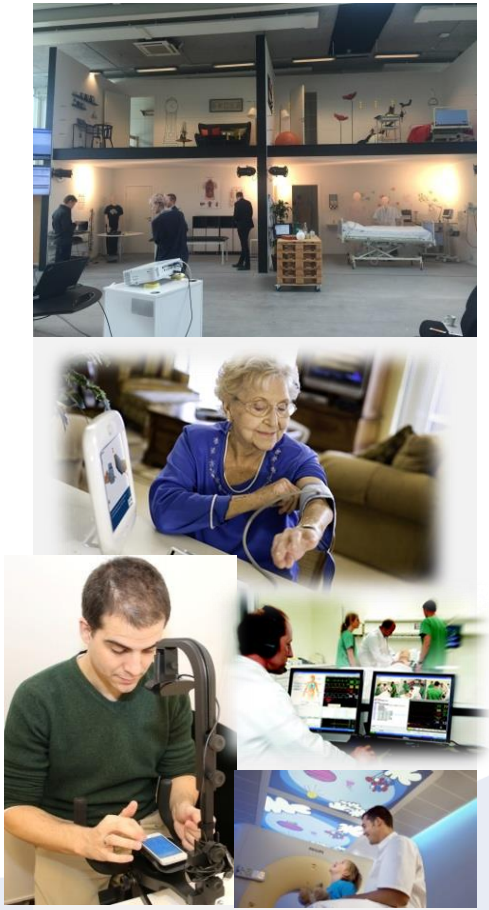
I4Helse er..

- En nasjonal arena for innovasjon innen helse og omsorg, hvor velferdsteknologi og helseløsninger utvikles fra idé til skalerbar implementering og varig anvendelse.
- **I4Helse består av..**
  - **Continua-sertifisering tjenester-** Internasjonale interoperability standarder
  - **Moderne fasiliteter for «end to end» simulering og utprøving av nye tjenester**
  - **Operative kommunale helsetjenester** integrert i lokalet
  - **Lokaler for kursing og seminarer** skreddersydd for helsepersonell



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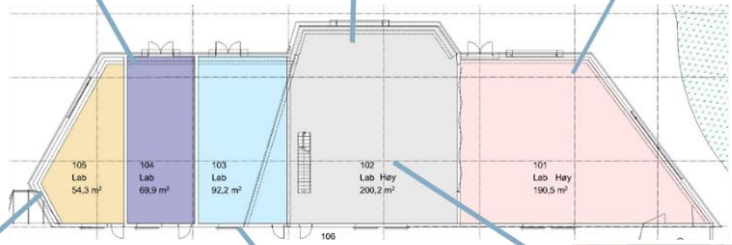
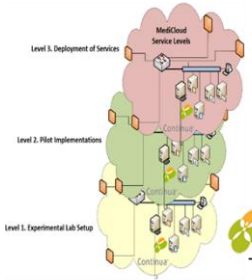
Home Health Service
Logistics Optimization Lab

Home Simulator
and Accessibility lab

Patient Treatment
Simulation lab





Continua
Test- &
Certification Centre

Usability lab

Health Service
Co-creation Lab

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Part of a multi-center multi-national Living Lab network

I4 Health Co-Creation Lab, UiA Grimstad

Lab 1

Lab 2

Lab 3

Lab 4

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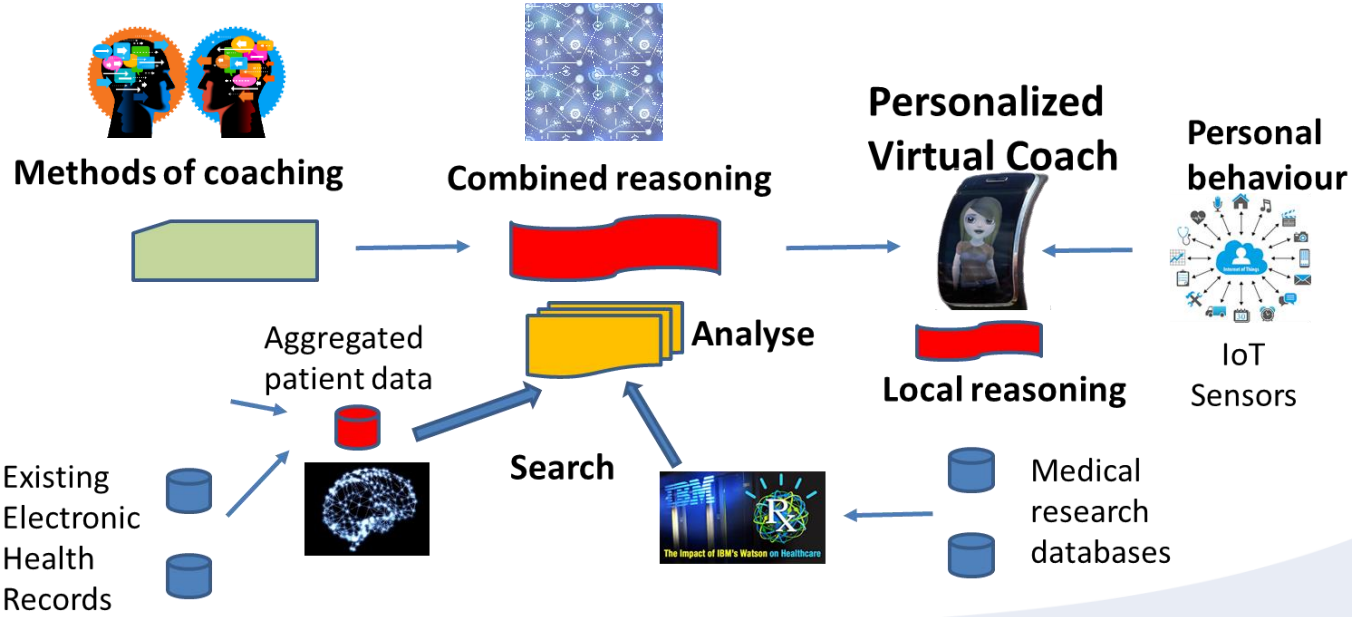
Multi-professional research:
eHealth + Coaching + Artificial Intelligence



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Fields of convergence:

I[4]Health Lab

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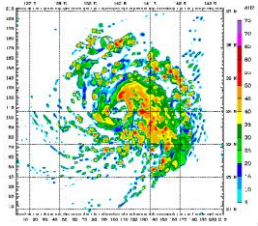
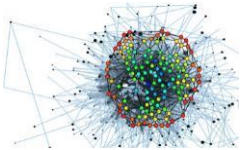
Mechatronics
Innovation Lab

Remote sensors

Modeling & simulation



AI



Robotics

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I⁴Helse AS

- Idé
- Involvering
- Innovasjon
- Implementering

Ideer blir til virkelighet gjennom kreativ samskaping