



European Innovation
Partnership on Active
and Healthy Ageing

REFERENCE SITE



**REGIONAL
COORDINATION GROUP**
E-HEALTH AND WELFARE TECHNOLOGY
AGDER

Agder Region

Program-manager eHealth Agder 2030,
Project manager, Digital Telehealth,

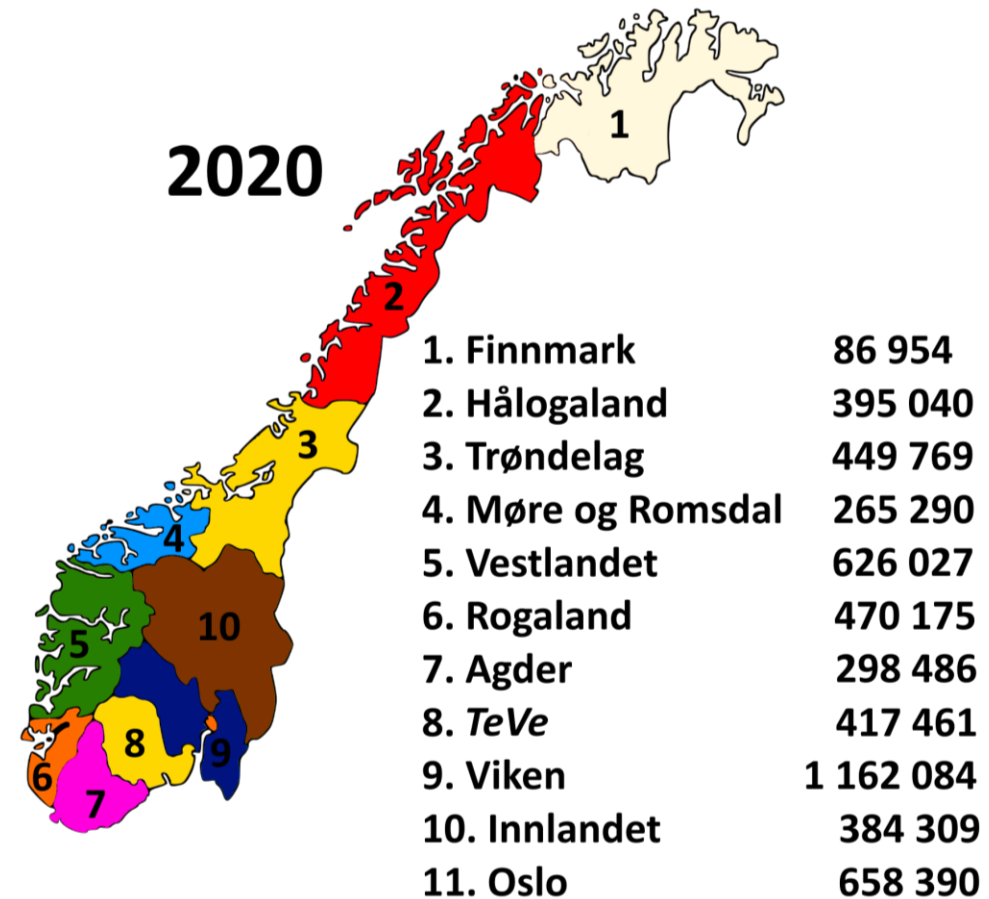
Kjetil Løyning
Morten Lauknes

Agenda:

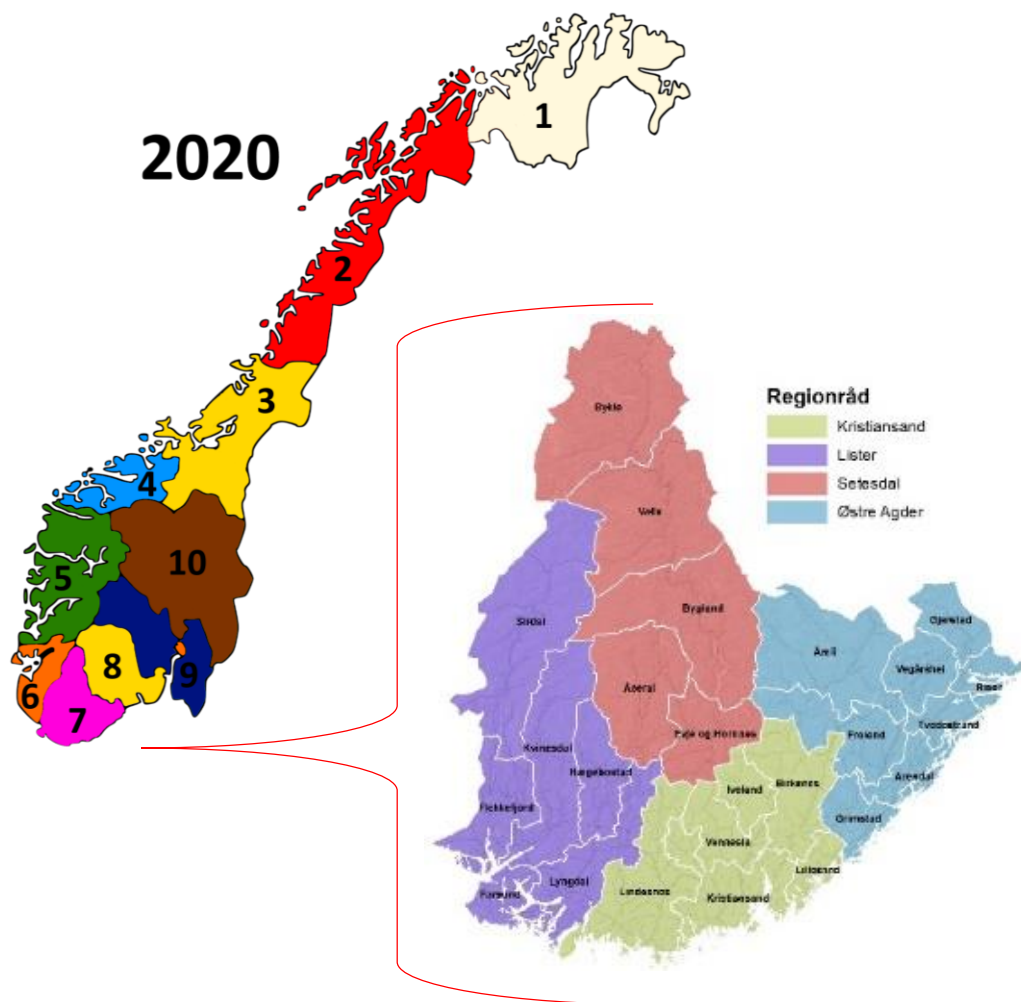
- 1. Norway, Agder**
- 2. Collaboration between municipality, GP's and the Local Hospital**
- 3. Multiple monitoring services**
- 4. Successes**
- 5. Challenges**

Norway

- 5, 3 million inhabitants
- Municipalities (356)
 - Primary health care
 - General practitioners
- Hospitals



Agder



- 25 municipalities (300 000 citizens)
- The regional coordination group for E-Health and Welfare technology involves administrative as well as political decisionmakers.



- South Norway European office
- European Innovation partnership - Active and Healthy Ageing
- **Reference Site (2016 & 2019)**

Two main strategies in Norway

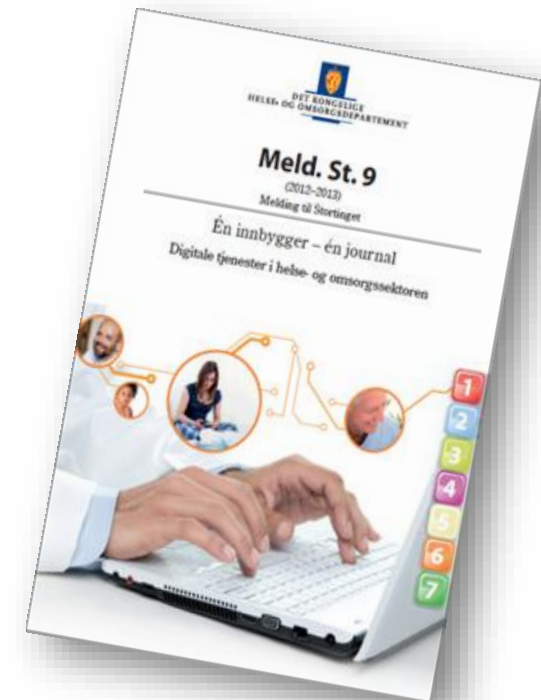
- **Welfare technology projects**

- Telecare
- Telehealth



Photo: Erling Hægeland

- **One citizen – One Journal**

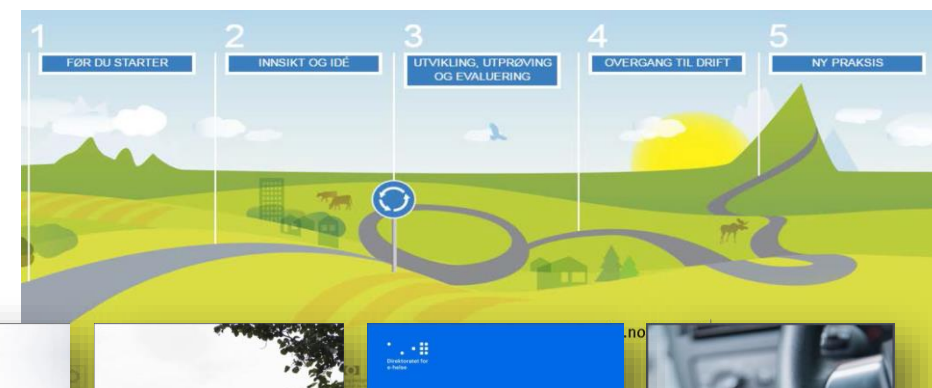


National Welfare Technology Program

Think big – Start small – Scale fast



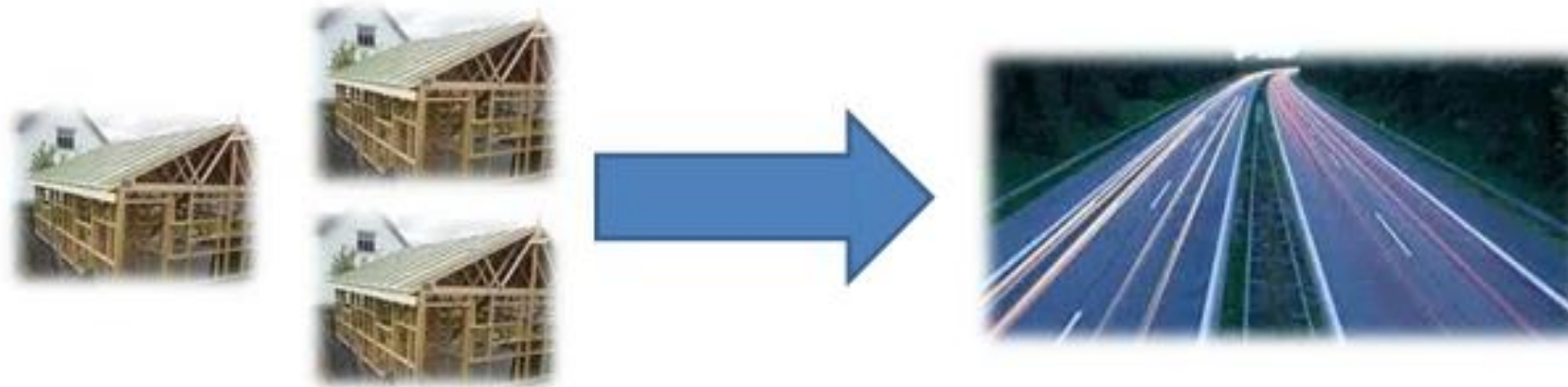
- Develop common practical tools and methods
- Financial support schemes
- National recommendations and demands.



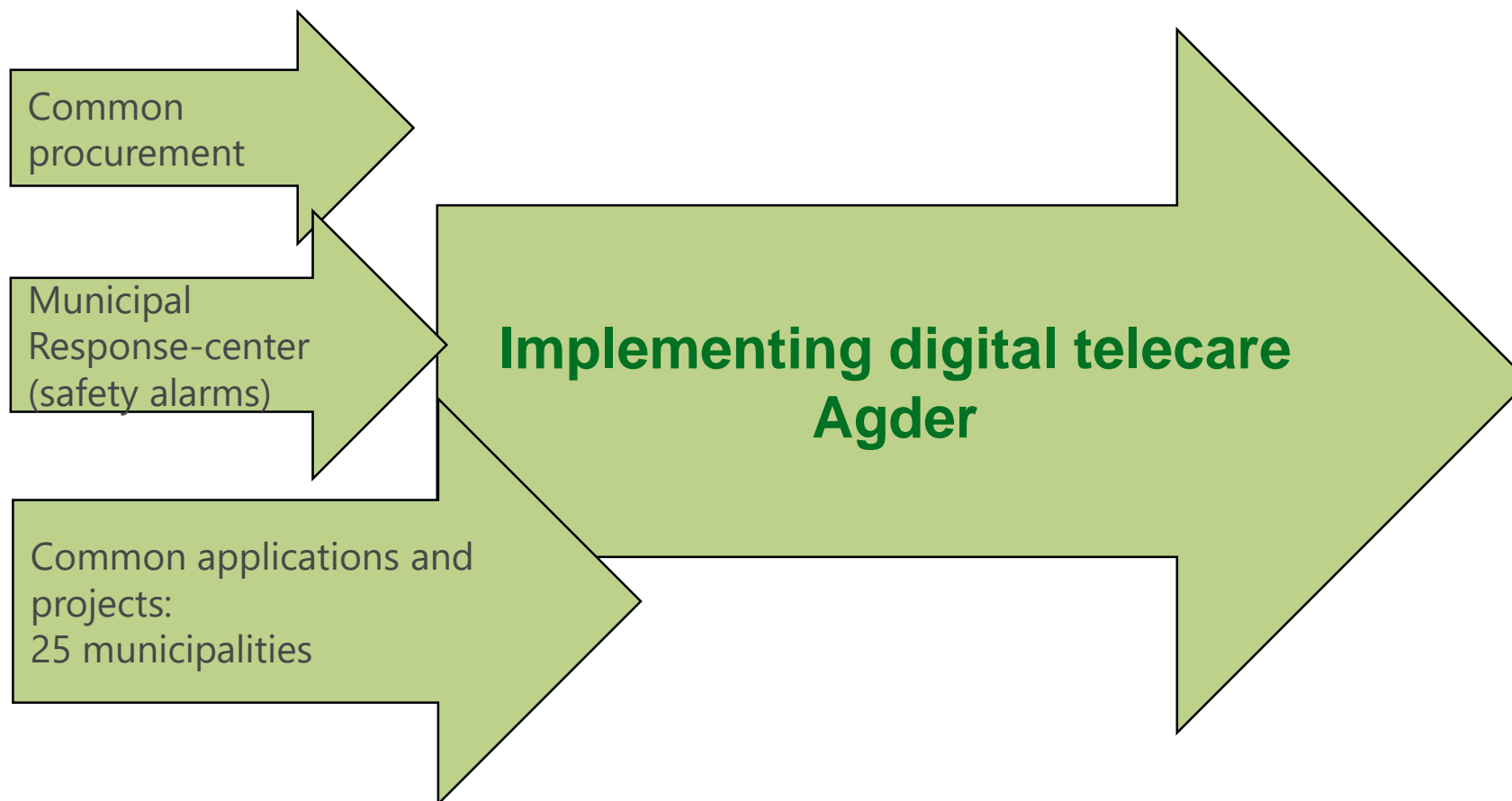
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Agder strategy: From testing to large-scale operation



Digital telecare Agder



Status digital telecare

- 5448 digital safety alarms in operation in Agder.
- Safety technology at institution/nursing homes:
 - 25 medical systems are in operation in Agder (in 15 municipalities)
 - A further 7 systems are under design and installation

Technology	Municipalities	Users
E-lock	5	482
Dooralarm	9	105
GPS	9	94
Bedsensor	7	19
Medicine dispenser	8	52



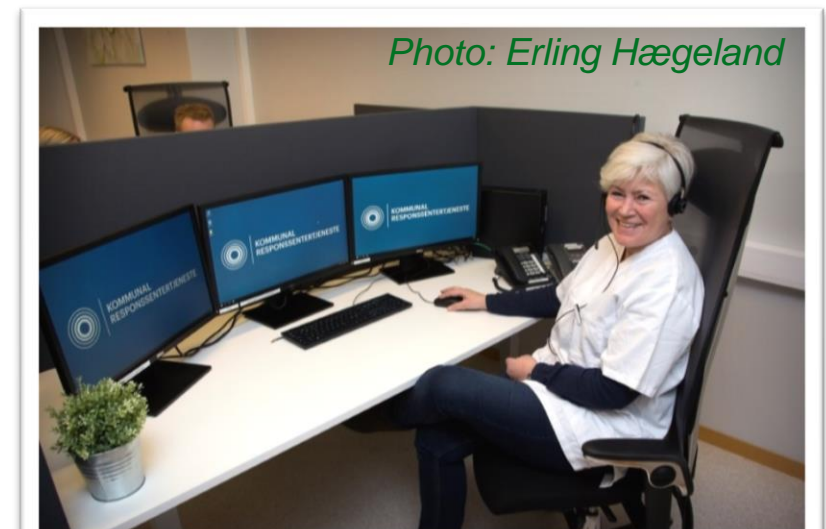
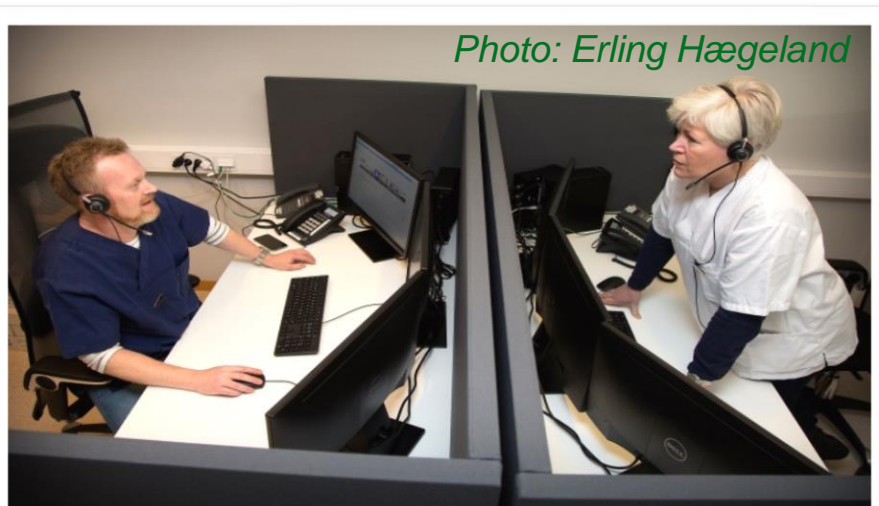
Municipal Response Center Service

Outcome:

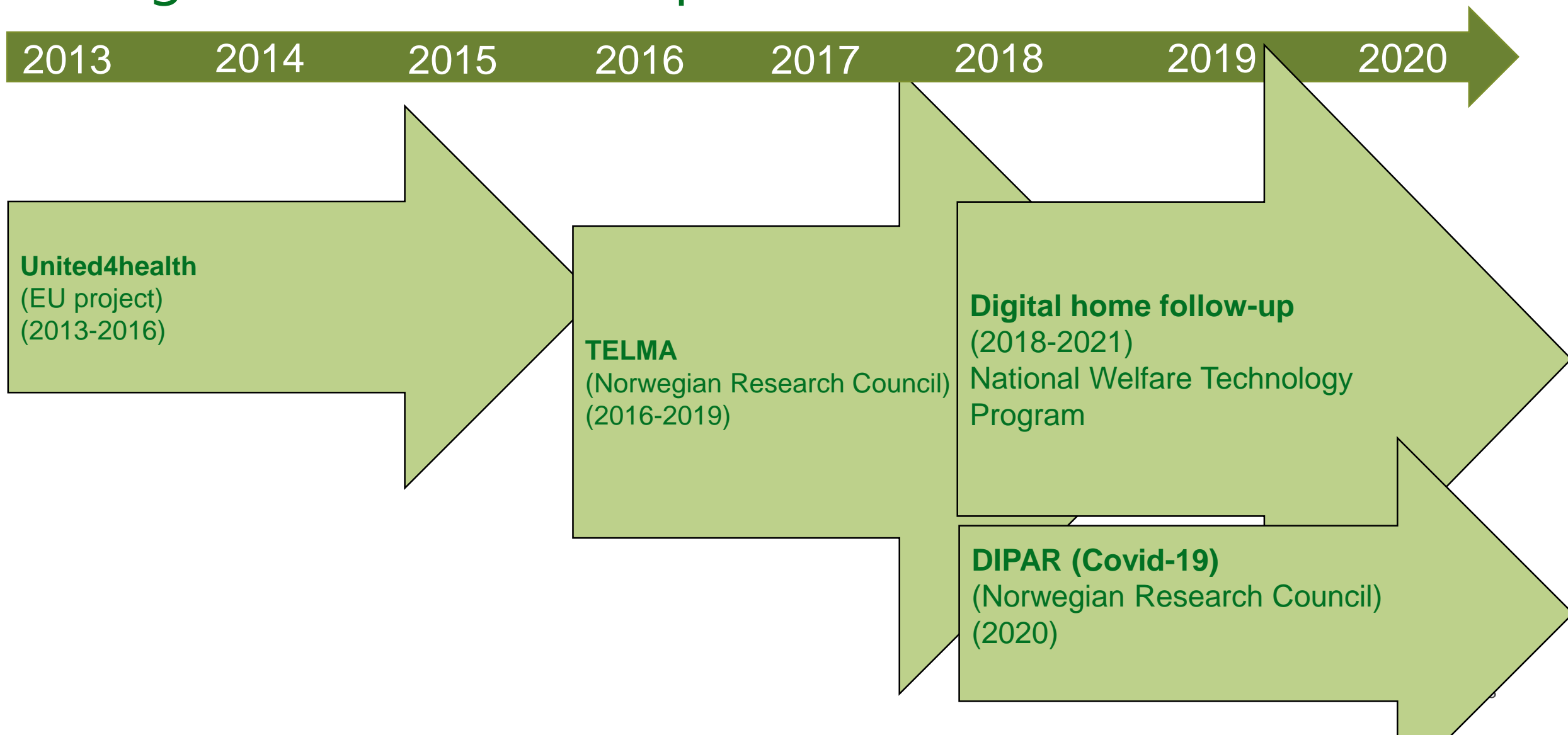
- Users can stay safe and well at home longer
- Services that are more adapted to users' needs
- Personnel – less required

Status: over 13,000 users connected

- 30 municipalities with full response center service, digital telecare
- Receives alarms from Safety alarms and smoke detectors, door alarms, bed sensor, epilepsy sensor, etc.
- Prevents nearly 70-80% of the alarms from further actions



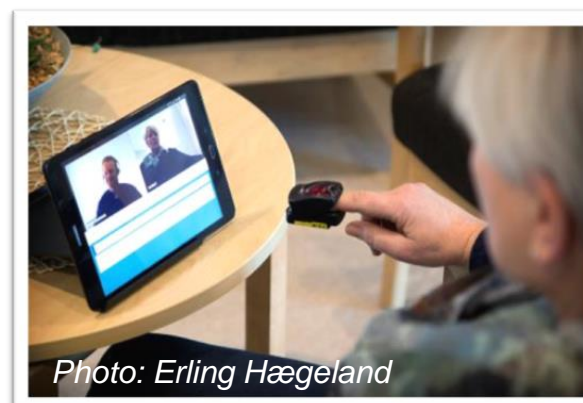
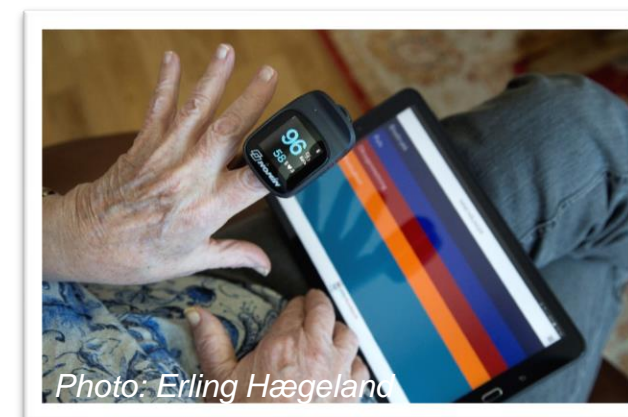
Digital Telehealth Agder - Digital home follow-up



Telehealth - Digital home follow-up

Scheduled follow-up in their own homes, including people with:

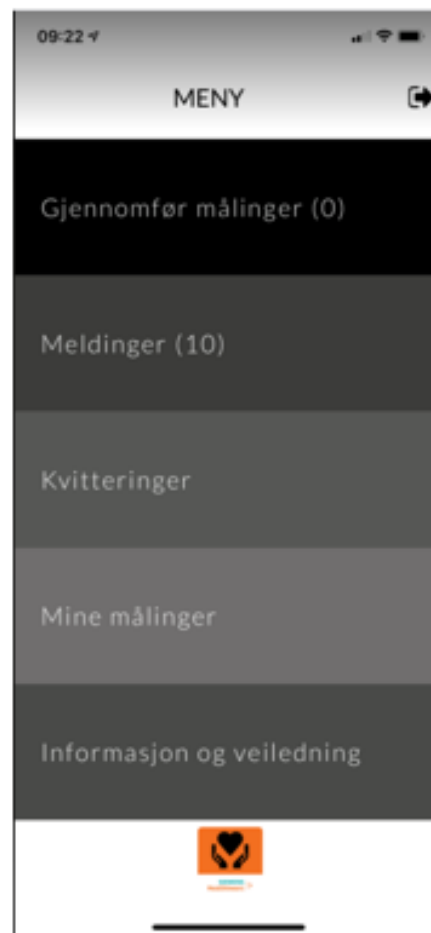
- COPD
- Diabetes
- Heart failure
- Multiple diseases
- Mental Health
- Oct 2020: 170 included.
- Covid-19: approx. 50



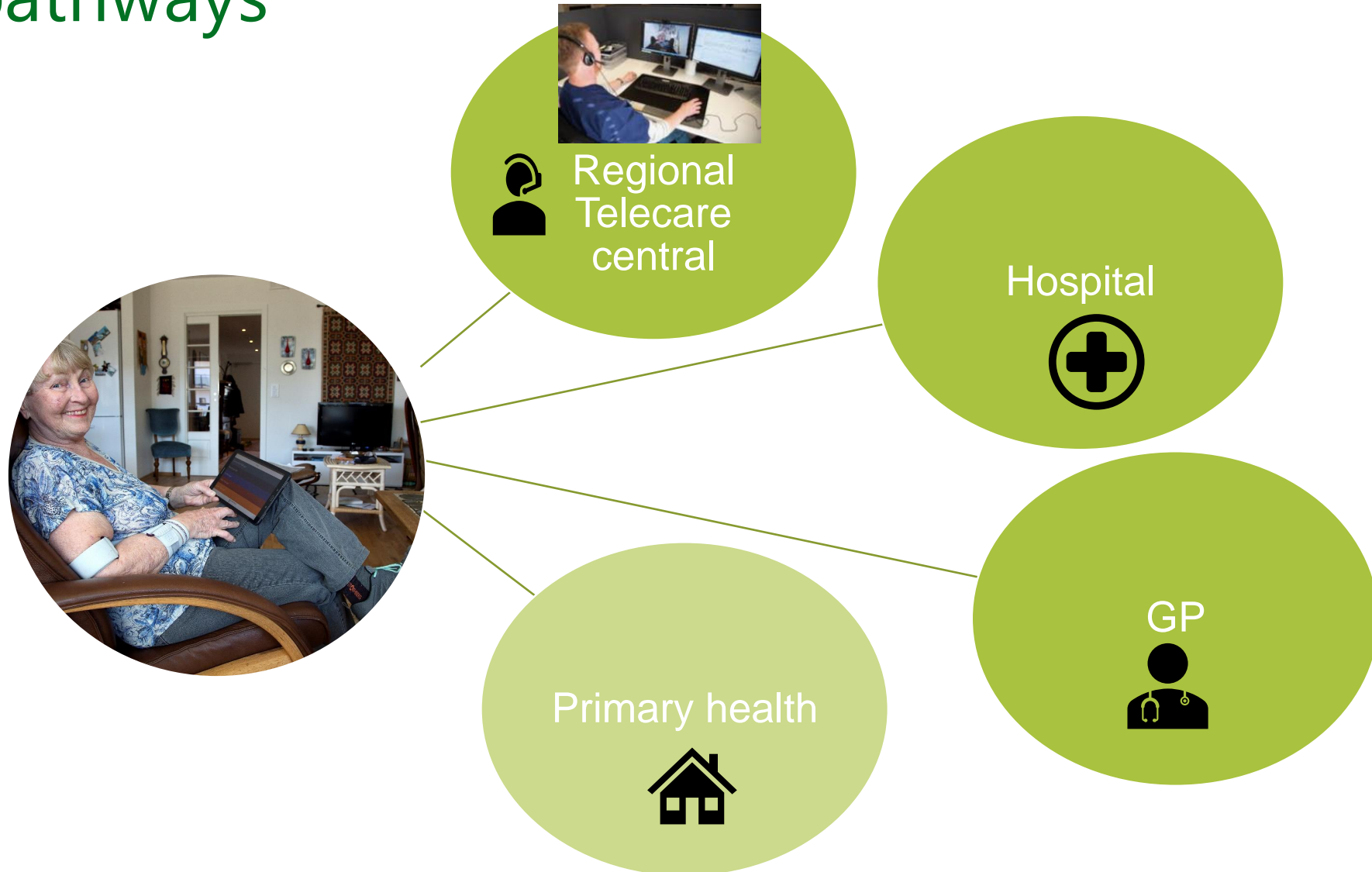
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What`s telemedicine?

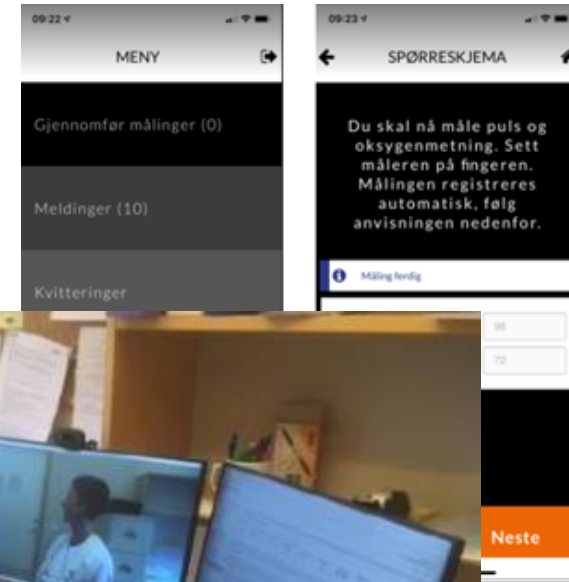


Clinical pathways



Covid 19

Local outbreak Farsund municipality



42 x 436

Technological development Q3, Q4 2020



← From manual plotting of data

To automated processes →



Register personlige data

Fødselsnummer *	18079415142
Fornavn *	Test
Etternavn *	Testing
Adresse *	Gatenavn
Postnummer *	1487
Sted *	Hakadal
E-Post *	a@a.com
Mobil *	123456789
Festligte	Dr. Dracula

[Send inn](#)



← From only stationary follow-up

To flexible follow-up in the service →



← From large KIT

To BYOD →

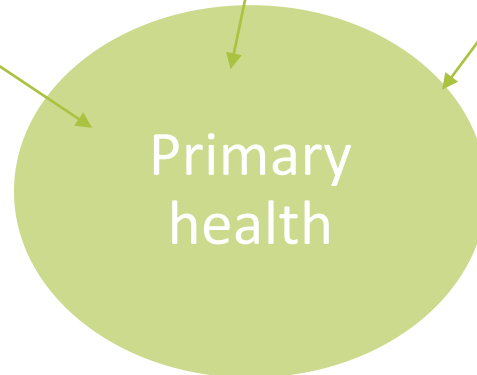
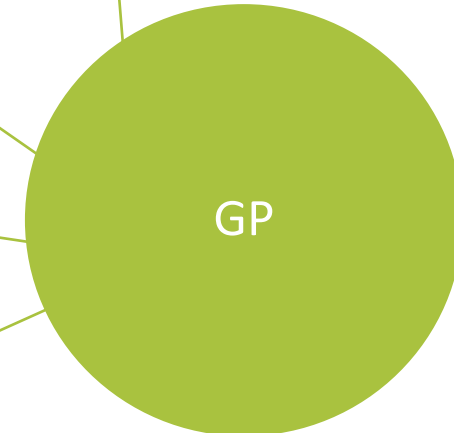
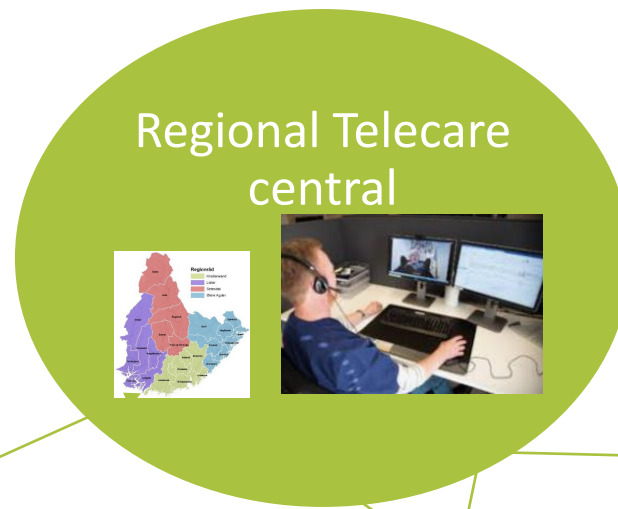


VOPD

*Valuable process guidance from
VOPD v / PA Consulting*



Silo challenges



Recommendations from VOPD project regarding road maps

Step 1

The municipalities and the hospital agree on common goals and strategy for digital home telecare

Step 2

Clarify how joint initiatives should be prioritized and managed to ensure equality between the parties.

Step 3

Division of tasks and financing are formalized in binding agreements

Step 4

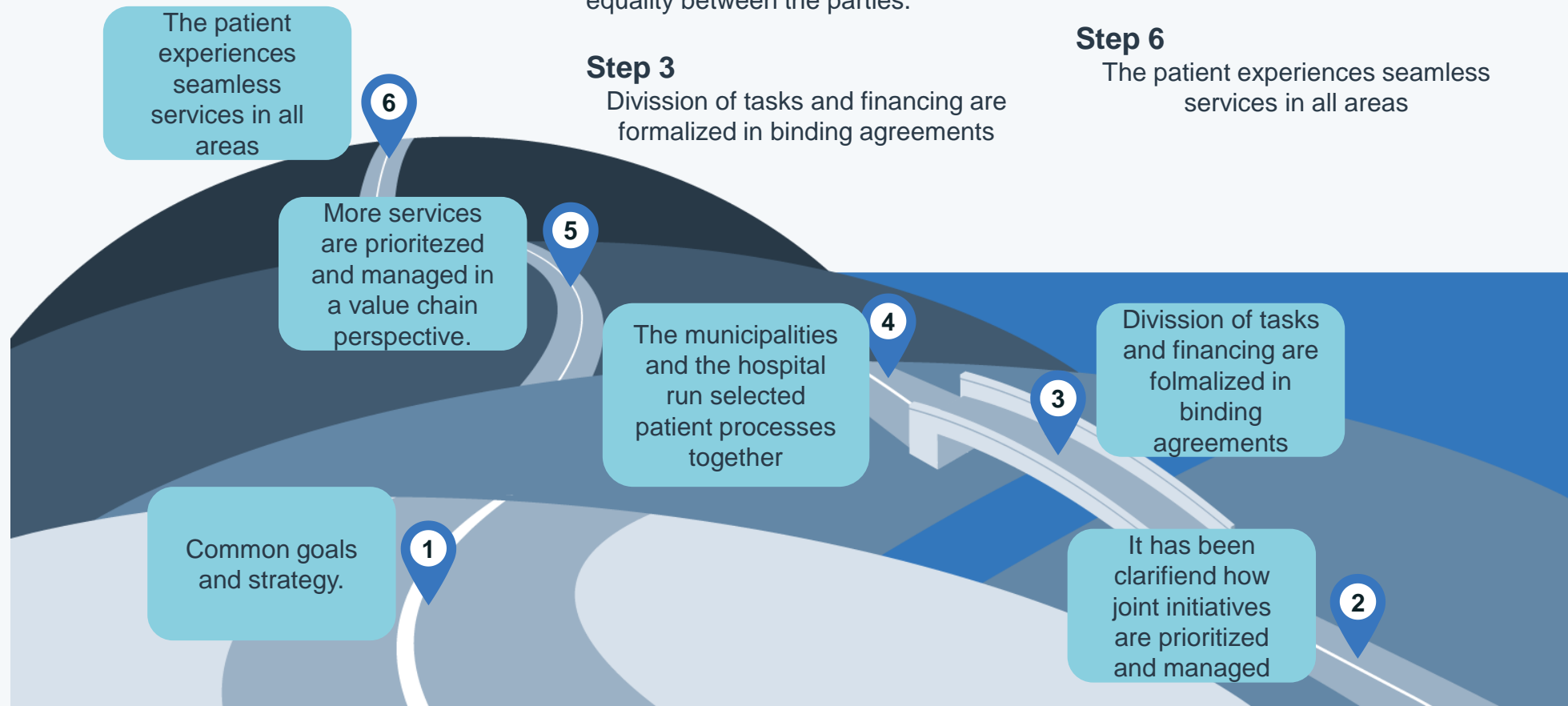
The municipalities and the hospital run selected patient processes together

Step 5

More services are prioritized and managed in a value chain perspective.

Step 6

The patient experiences seamless services in all areas



Comprehensive service model Agder



Agenda:

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3. Successes

- National Welfare Technology Program


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National Welfare Technology Program

Think big – Start small – Scale fast

Planning

2013-2014

Test /
developing

2014-2016

Upscaling

2015-2020

Consolidating

2020

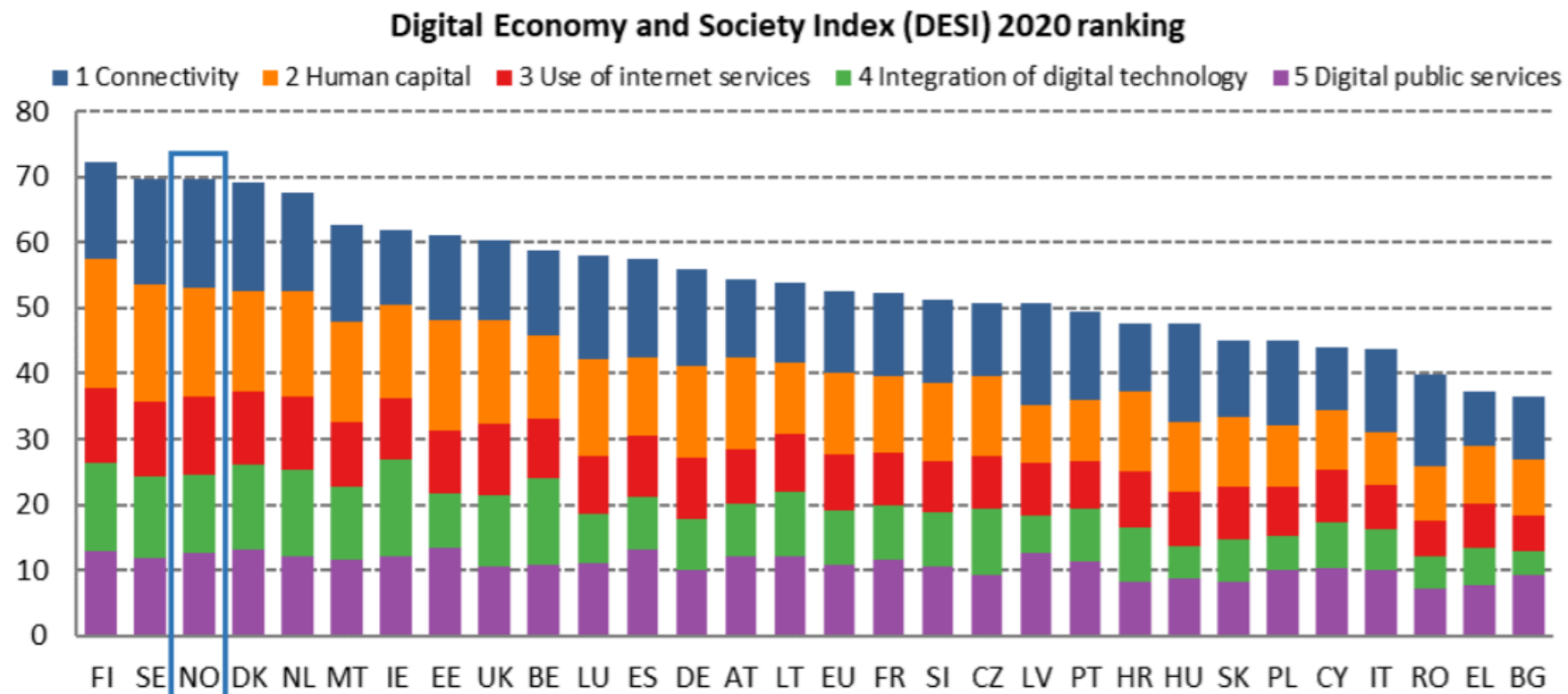
- Develop common practical tools and methods
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3. Successes

- National Welfare Technology Program
- Digital maturity in Norway.



3. Successes


- National Welfare Technology Program
- Digital maturity in Norway.
- User involvement



KOMMUNESPEILET

Ny teknologi redder liv

Tilordnet for vilddødsfallene gjør livet bedre for både pasienter og ansatte. Næringslivet på Froland utvikler en ny form for teknologi for rullestol. NÅ, samarbeider Grimsdal med de 15 andre kommunene i Agder om nye vilddødsfall.




TILBAKEMELDING: «opplever mestring og trygghet»

Prøvekaninene

NYHETER

PUBLISERT: 22.12.2016 | OPPDATERT: 04.01.2017




BRUKERE: Hans Jakob og kona Ragnhild Fønstølen er med på prosjektet Agder Living Lab. Hans Jakob er glad i å gå tur, men har demens. Han bruker GPS en rundt halvann time en uke og rasler. (Foto: Ingrid Kvinnad)

Ingrid Kvinnad
Journalist




Hjemmetjenester og sykehjem i Grimsdal kommune fungerer som et levende testlaboratorium. Her er både sykepleiere, pasienter og pårørende med på å finne

Tester teknologi som gir trygghet

... teknologi for å opplevere trygghet



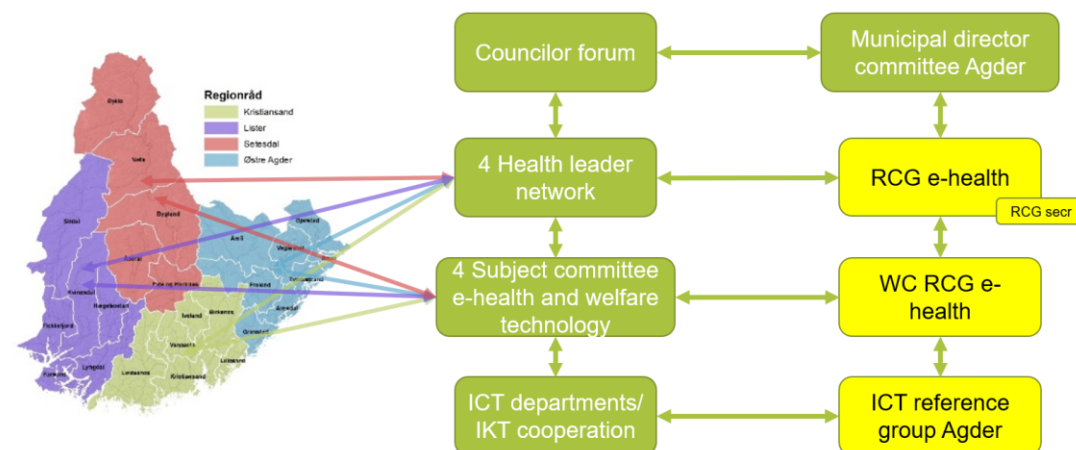
SITAT: «overvåking med kjærlighet»

3. Successes

- National Welfare Technology Program
- Digital maturity in Norway.
- User involvement
- Regional structure to ensure involvement, anchoring and implementation
 - Joint procurements
 - Joint projects
 - Joint solutions

Regional coordination group e-health and welfare technology Agder - RKG e-health

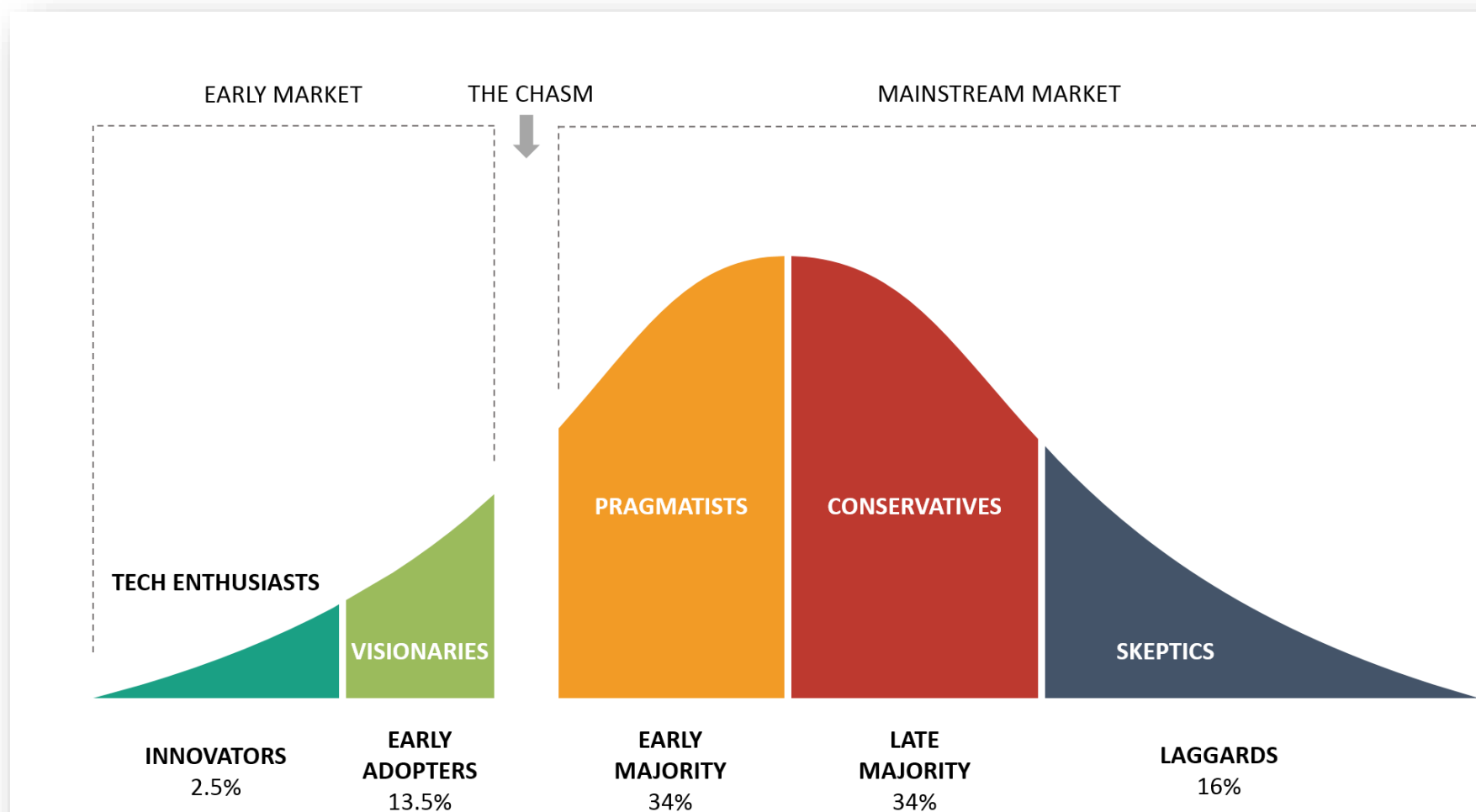


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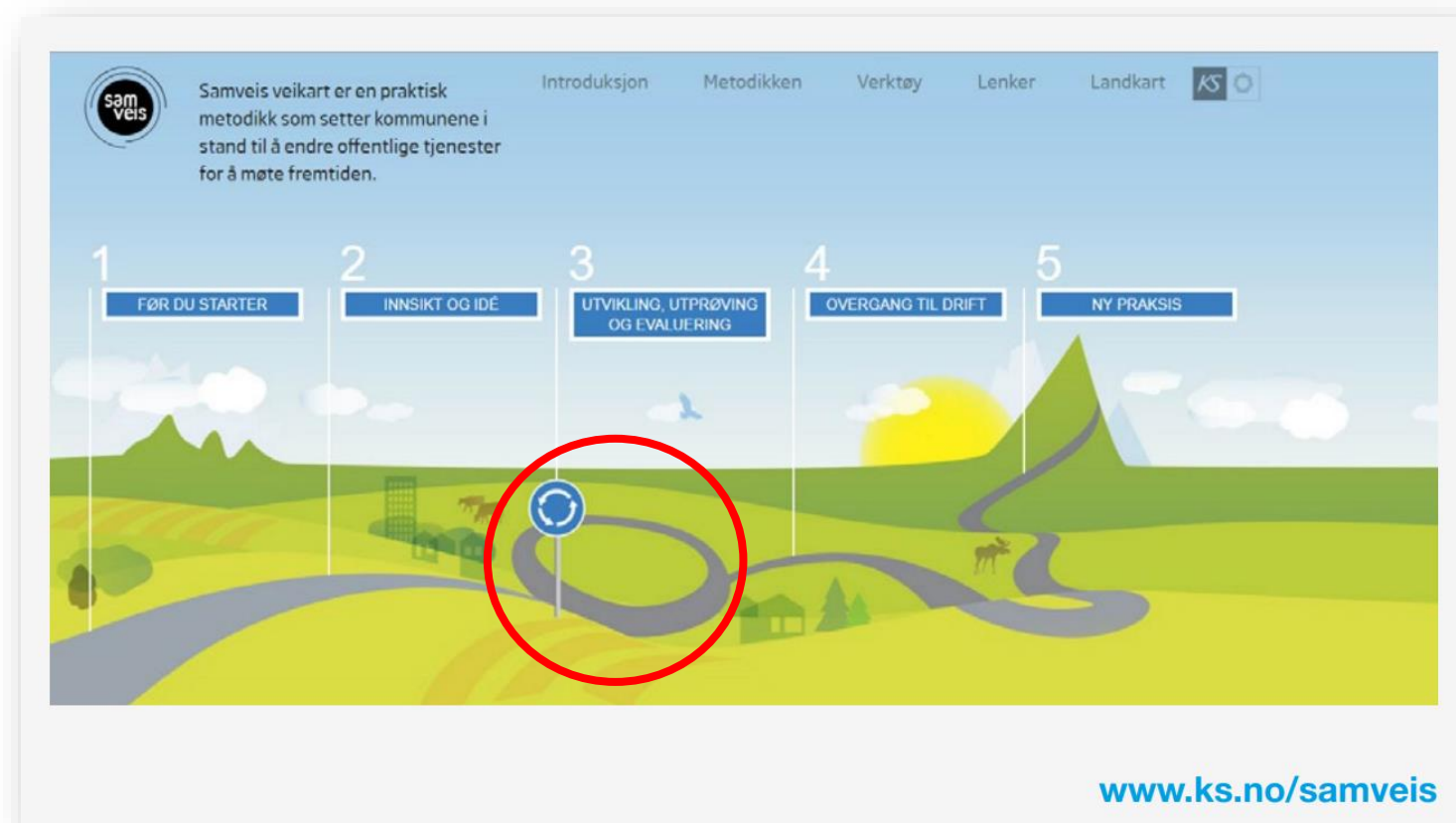
4. Challenges

- Frontrunners



4. Challenges

- Frontrunners



4. Challenges

- Frontrunners
- Scattered team
- Lack of Standardization
- Decision-making across silos, with different budgets.

Thank you for your attention



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