TRANSFORMING HEALTH AND CARE SYSTEMS

TransCare

New care pathways for supporting TRANSitional CARE from hospitals to home using AI and personalised digital assistance

Terje Grimstad – Karde AS

December 12, 2025

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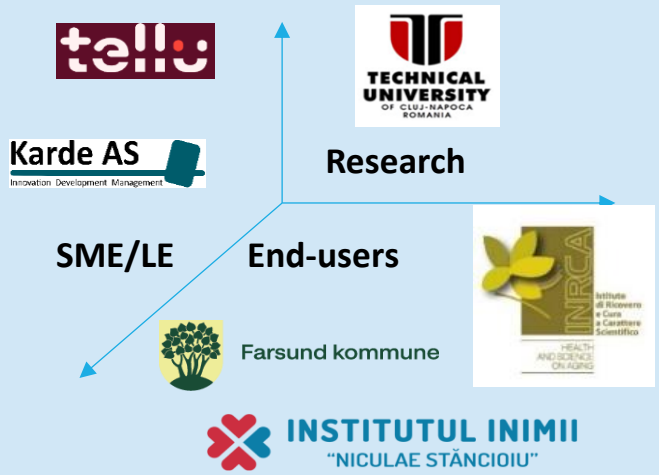
Consortium



- **ID:** 1449
- **Coordinator:** Technical University of Cluj-Napoca (DSRL)
- **Title:** New care pathways for supporting TRANSitional CARE from hospitals to home using AI and personalized digital assistance
- **Lifetime:** 01.05.2024 – 30.04.2027
- **Budget: 2.1 mil Euro**
- **Requested Contribution: 1.3 mil Euro**
- **TransCare web site:** https://www.thcs-transcare.eu/

Norway

- Tellu AS, technology provider, remote sensor-based monitoring
- Karde AS, technology provider, communication about disease
- Farsund municipality, user partner

Romania

- Technical University of Cluj-Napoca, coordinator, technology provider, AI
- HINS, heart clinic, user partner

Italy

- INRCA, hospitalization and care for the elderly, user partner

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Project description/aims

- **Issues and needs**
  - **The adoption of digital solutions is rather limited**
    - ICT-based solutions are fragmented and address only specific cases of the transitional process
  - **Lack of holistic, multi-criteria assessment** (health, social, economic, etc.) at discharge
  - **Poor communication** with patients
  - **Inadequate planning**, and **community support**
  - **Different reimbursement practices, roles and responsibility sharing**

- **Transitional care** will play a vital role in Europe's future healthcare system to effectively address the increasing demand for medical care and hospitalization services
- Recent development of IoT sensors and wearable devices have the potential of improving transitional care process by enabling the **remote monitoring of patients' health status in their homes**
- **New care paths need to be designed to incorporate digital solutions**

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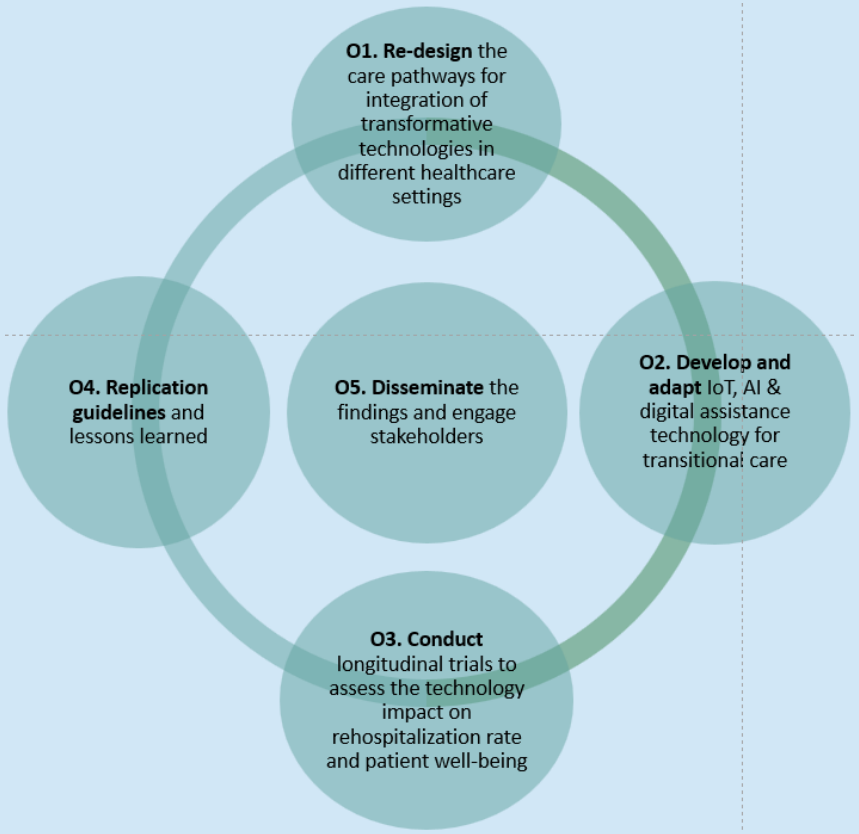
Transcare objectives and methodology

Main objective:

Adapt, scale, and evaluate a technology-assisted transitional care solution based on IoT, AI, and digital assistance in different healthcare systems in Europe (RO, NO, IT) as well as for various types of comorbidities



- **PRIMARY**
  - **Older adults' patients with multimorbidity**
- **SECONDARY**
  - **Doctors**
  - **Informal / Formal caregivers**
- **TERTIARY**
  - **Healthcare organizations**: care centers, hospitals, national or local government, public institutions, insurance companies, etc.
- **Trial participants:**
  - **210** older patients aged 65 years in **3 pilot sites** over at least **3-months trial**

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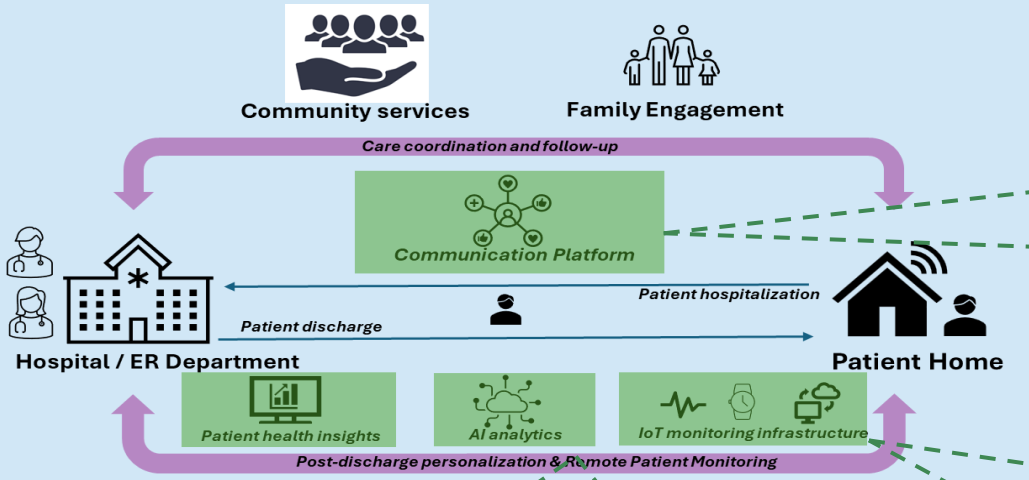
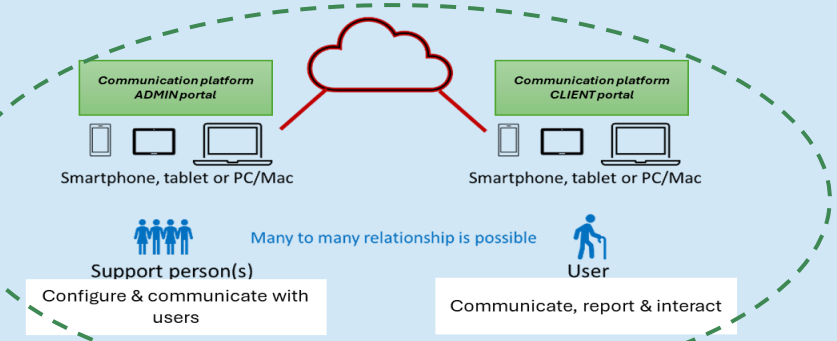
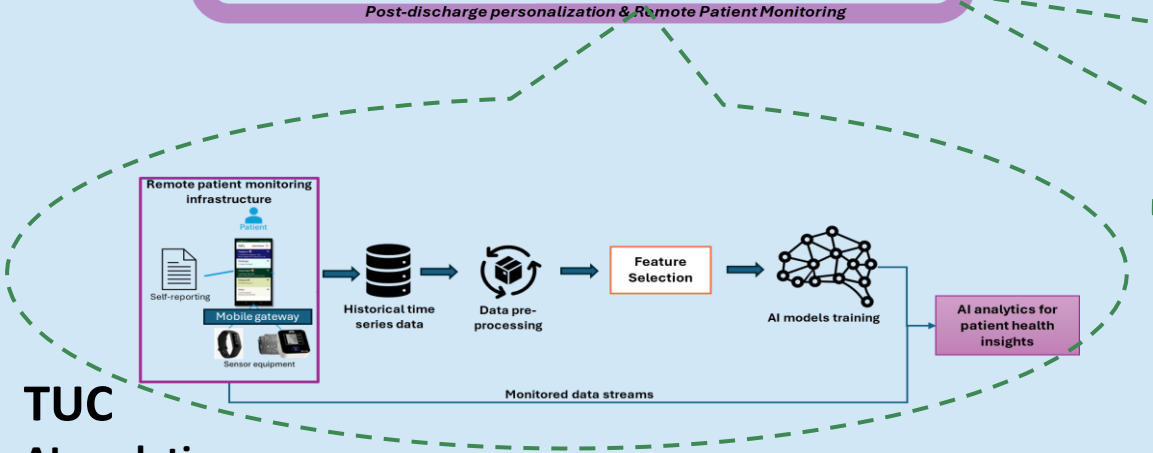
TransCare architecture

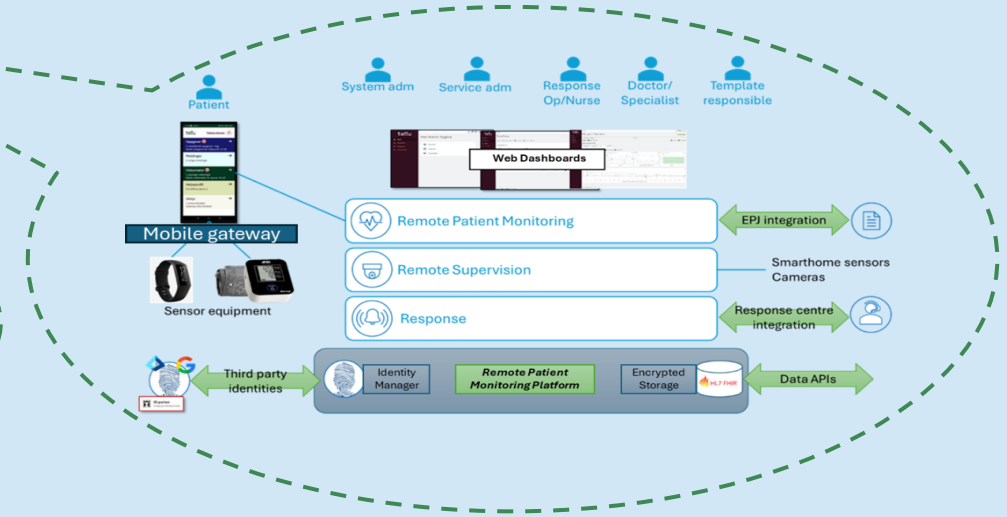




Karde
Communication platform



TUC
AI analytics



Tellu
IoT monitoring infrastructure

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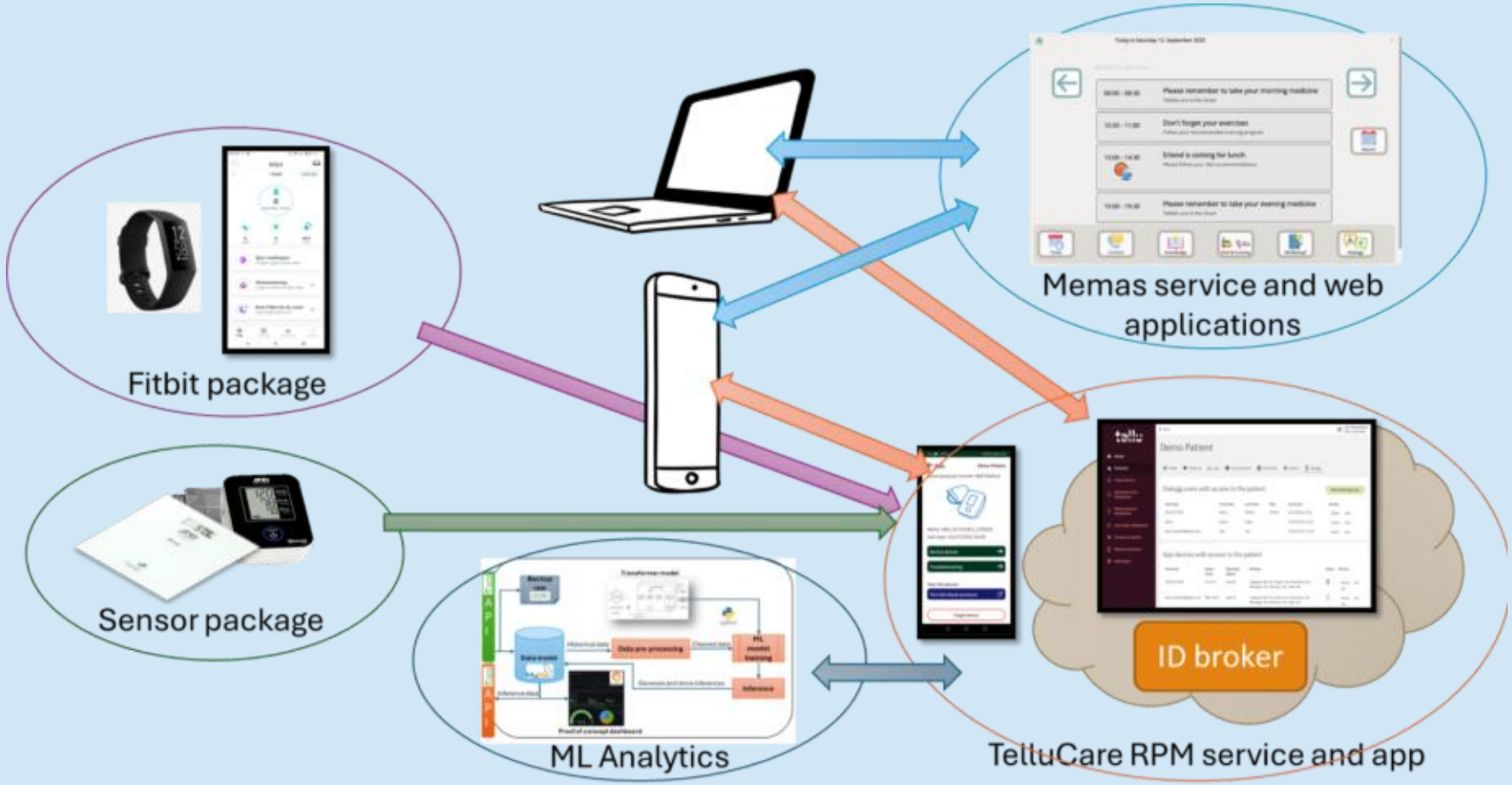
TransCare packages



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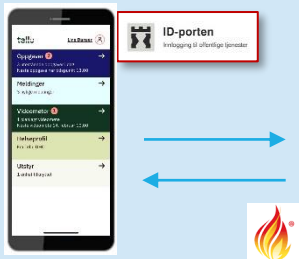
TelluCare - Remote Patient Monitoring

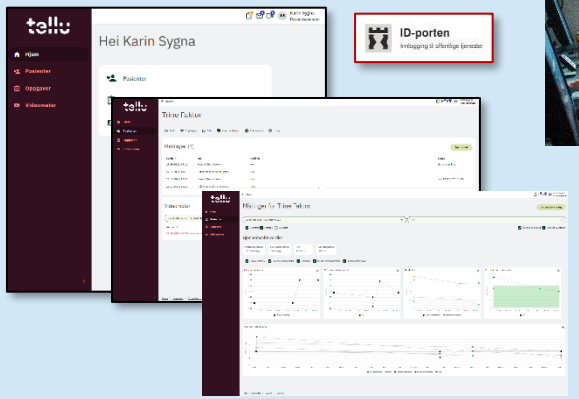
Patient



Mobile app - Dialogg

HL7® FHIR®

TelluCare platform



Web interface

Health Worker

Medical Devices

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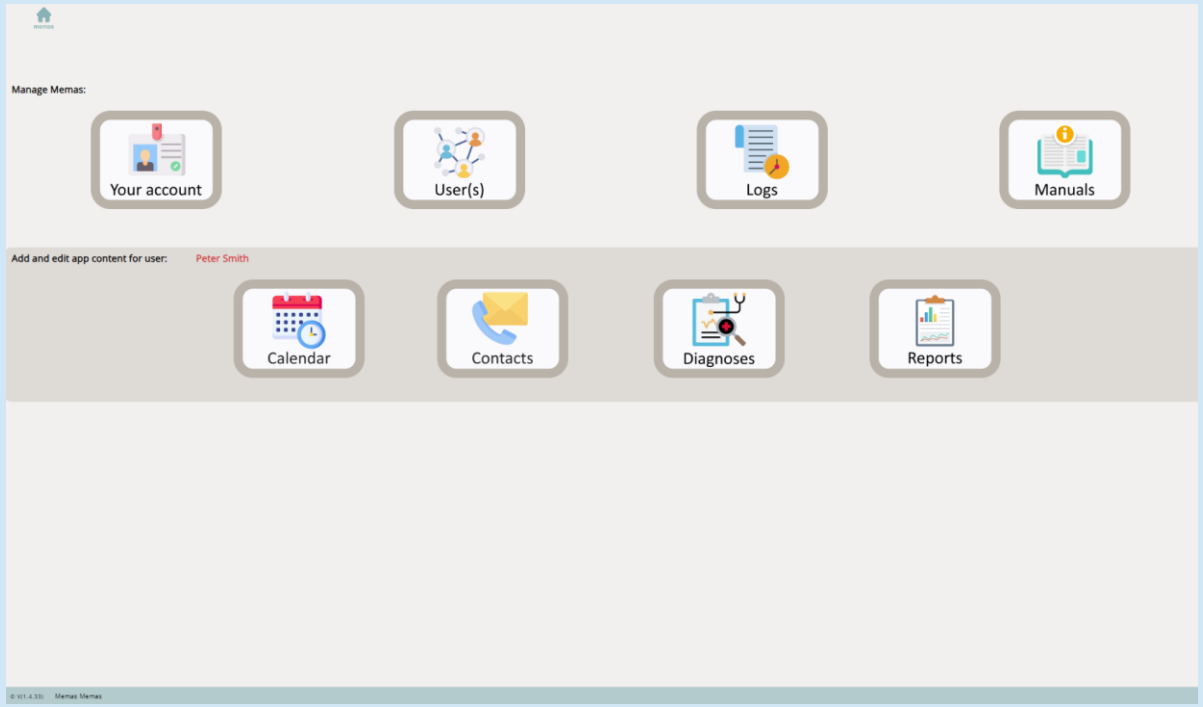
Memas – Communication platform



Adminweb – configure Memas for the end-user

Memas app – to be used by the end-user

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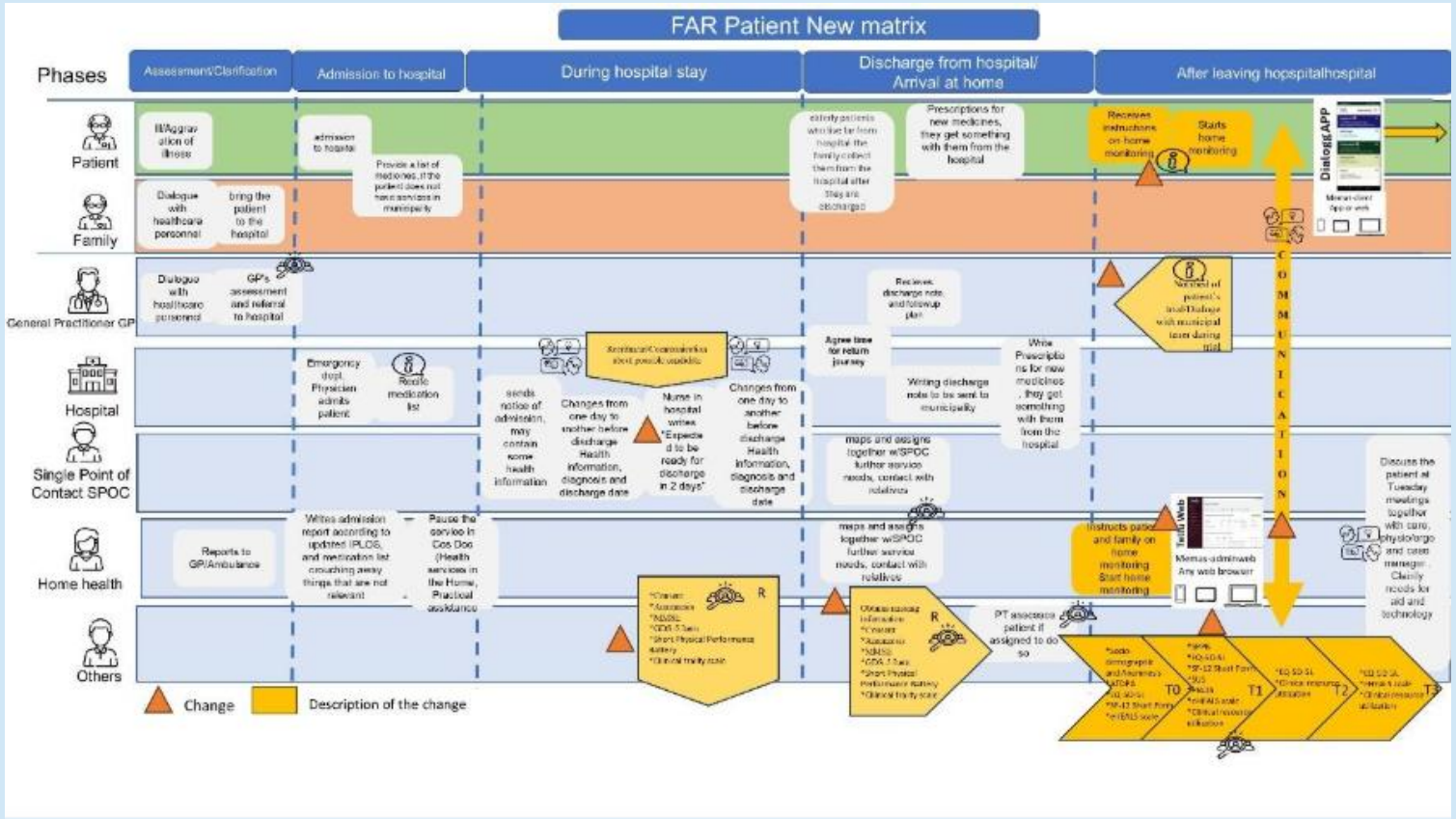
Redesigned Patient Care Pathway Matrix - Farsund



Redesigned Patient Care Pathway Matrixes for all countries are documented in Deliverable D3.2

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Ecosystem approach in your project

Ecosystem necessary for putting in place the transformation addressed in the project

- Multidisciplinary research and innovation (R&I) ecosystem
- Stakeholders covering the entire care continuum
- Northem, Eastern and Southern EU contexts

Farsund municipality in Norway (Community-based care organization supporting rehabilitation and independent living)

Heart Institute Niculae Stăncioiu Romania (Hospital, leading center for cardiovascular care)

Istituto Nazionale di Ricovero e Cura per Anziani Italy (Care recovery institution for patients transitioning in different healthcare settings)

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TransCare expected impact

New patient-centered and digitalized transitional care models

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Involvement of Stakeholders

The target audience for TransCare dissemination activities are:

- General public – providing general awareness messages popularizing the results and how may influence their daily life
- People suffering of chronic conditions at risk of rehospitalization and their care givers – targeted message to adopters of the TransCare platform focused on quality of care and outcomes brought by means of pro-active communication, demo and pilot showcases, etc.
- Healthcare stakeholders – messages advertising benefits brought for healthcare professionals
- Scientific and technical community – technology, healthcare, sociology, medical, etc.
- Potential investors – messages advertising the potential economic impact of TransCare, business models, revenue streams, etc.

Policymakers will be involved in the dissemination phase of the results to bring awareness of the TransCare technology and value-based proposition formulated by the project.

All partners are committed throughout the project to mobilise the appropriate stakeholders to multiply the effects of dissemination and exploitation activities.

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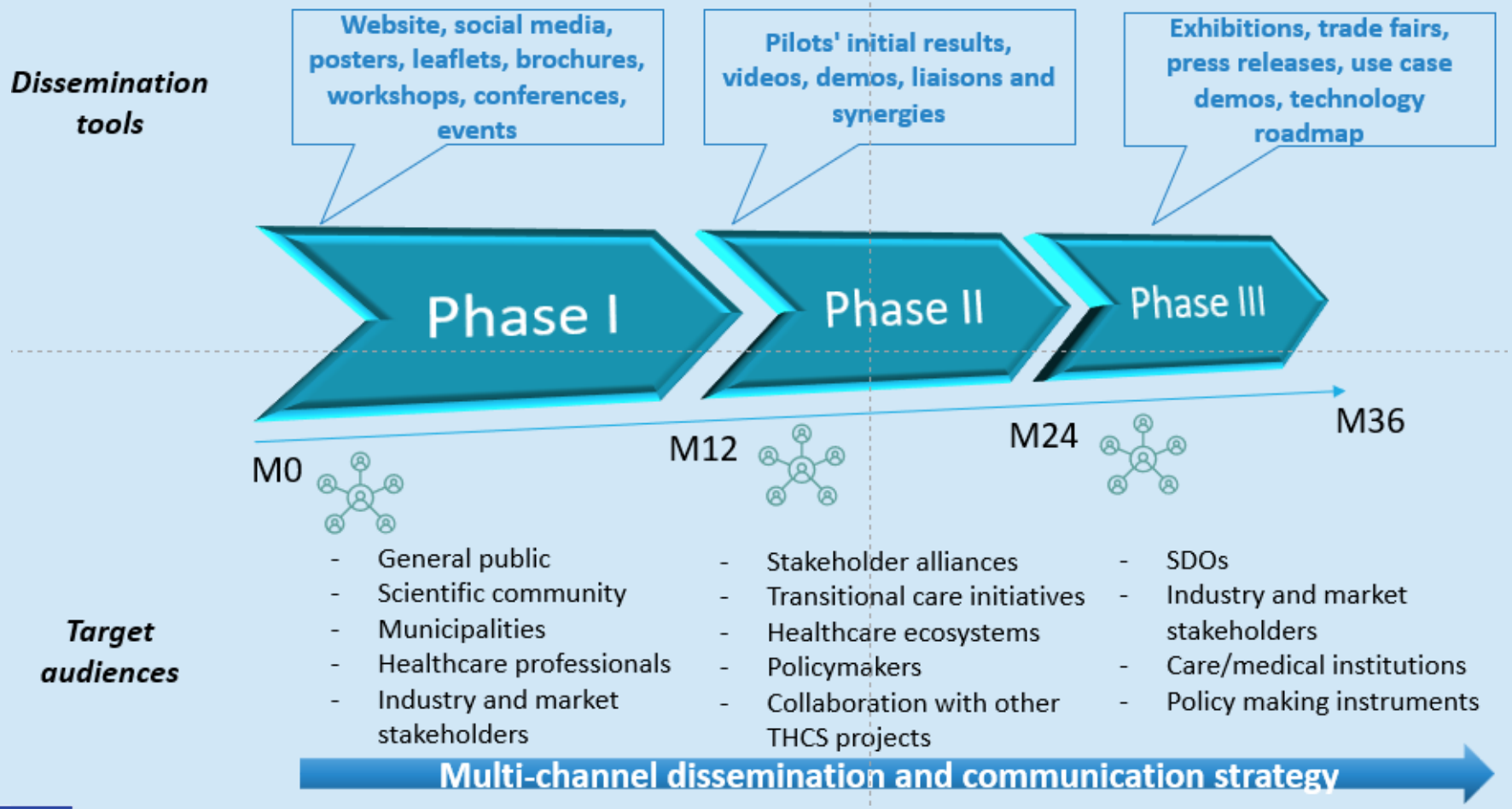
Involvement of Stakeholders and awareness strategy



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Open science, data management and data sharing

For publications, TransCare will follow open science practices in line with the Horizon Europe principles that are also guiding the THCS-programme.

The Data Management Plan (documented in D3.3) is to provide the TransCare consortium with a guideline to properly manage data (collected, processed and/or generated) throughout the project lifecycle. To ensure proper data management, the consortium will rely on, follow and respect the DMP aiming to ensure the “FAIR” principles (i.e., findable, accessible, interoperable and reusable)2, and protect the privacy and sensitivity of data (either personal or IoT infrastructure specific research data) against unauthorised access, in compliance with the GDPR3.

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Potential synergies with other THCS projects (with Norwegian partner) in the context of an ecosystems approach

- PEES-HOMEcare
  - Rehabilitation, Homecare - could be relevant for TransCare and vice versa
- UPSCALE
  - Socio-technical transition, Health and welfare technology, Health and care services, Ageing, User needs, Transition pathways - could be interesting for municipalities (Farsund)
- PAI
  - Timely care intervention, Predictive analytics, Older people care, AI - could be relevant for TransCare and vice versa
- IDjaundice@home
  - Neonatal jaundice – probably not relevant for TransCare
- Digital CACTUS
  - Blended care, chronic conditions, multimorbidity, digital health – could be relevant for care organisations like municipalities
- DADAP
  - Screening/Diagnostic, Child and Adolescent Psychiatry – probably not relevant for TransCare
- B2B&Me+
  - Reduce adverse birth outcomes, improve maternal and child health – probably not relevant for TransCare

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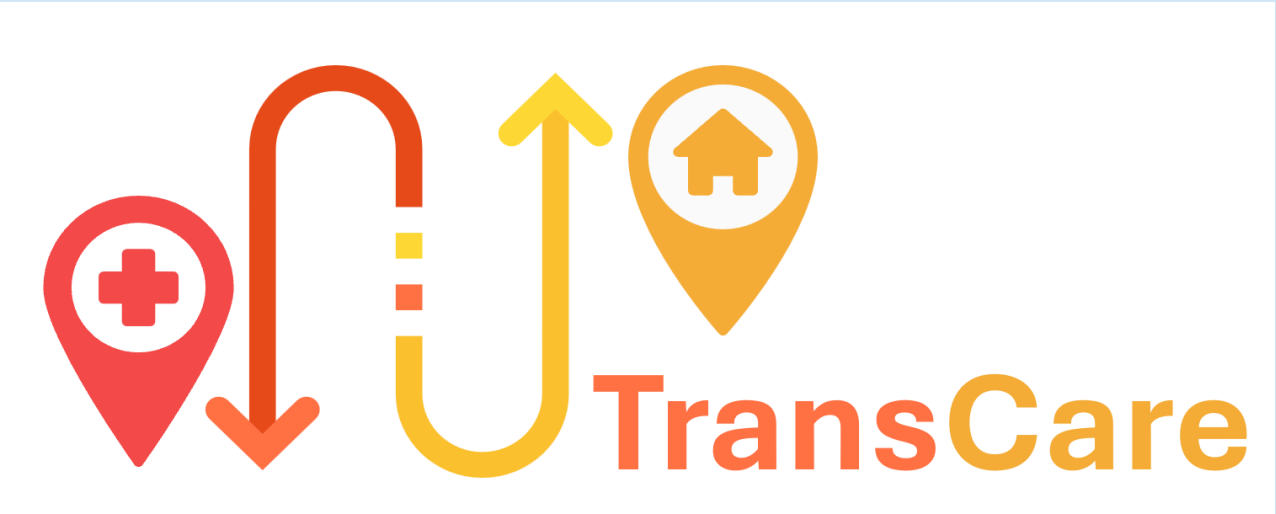

Thank you

- **Karde AS**
- Terje Grimstad
  terje.grimstad@karde.no
  +47 90844023

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