

# An EU project that will demonstrate the user value of patient solutions

-the ongoing evaluation of real life information and communication technologies. Benefits and potentials for wider deployment

Ingrid Heitmann

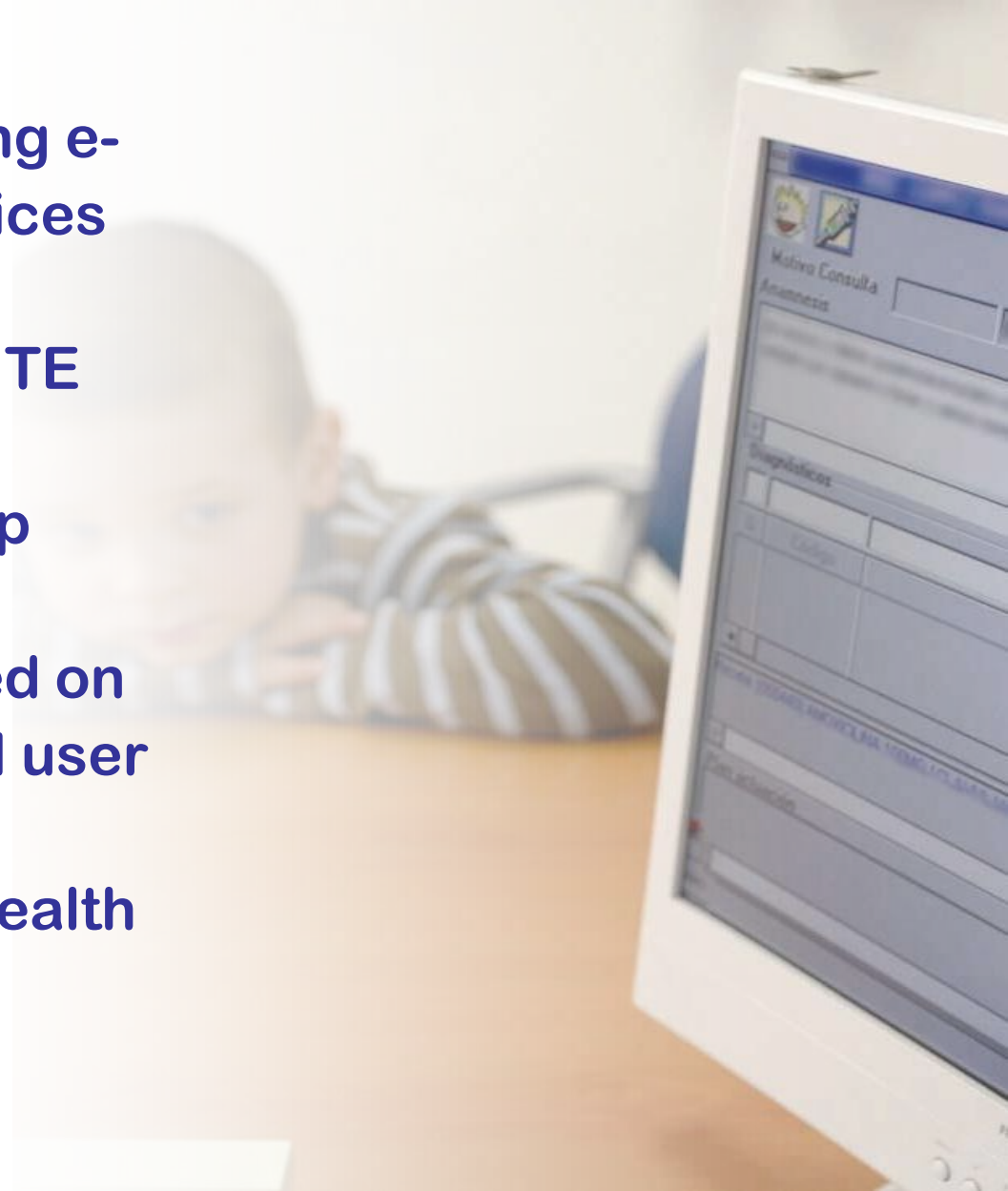
Leader of Norwegian project and pilot

ICT-department, Oslo University Hospital

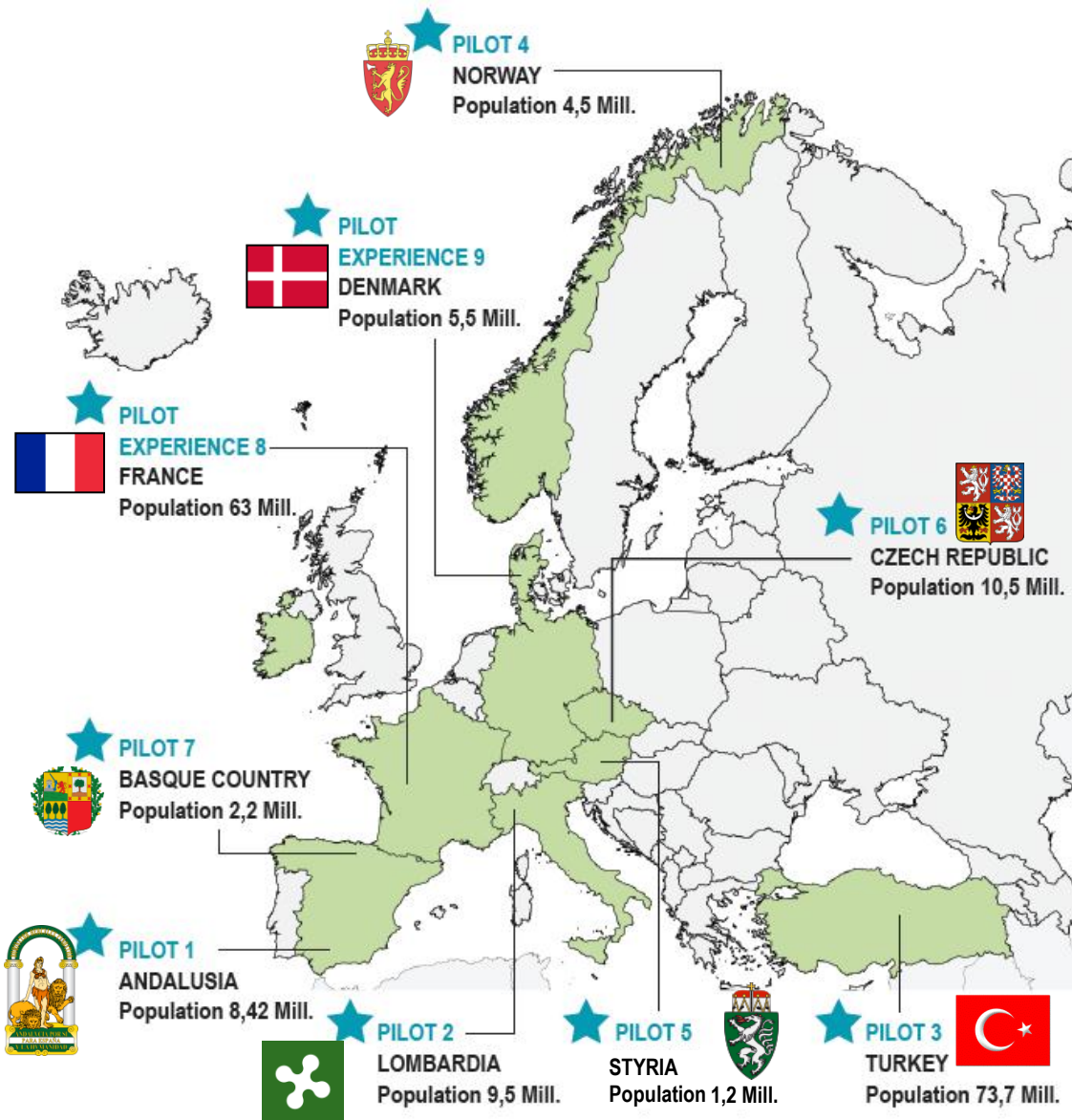
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Building on already existing e-health platforms and services in the participating regions/countries, PALANTE project focuses on the implementation, scaling up and optimization of 7 demonstration pilots based on the concept of secure and user friendly online access by citizens to their medical/health data, plus 2 on-going experiences during assessment.



# Pilot sites



- 7 new pilots in 6 countries (7 regions)
- 2 additional on-going experiences in 2 other countries

# WORK PLAN

Start date: 1st February 2012

Duration: 36 months

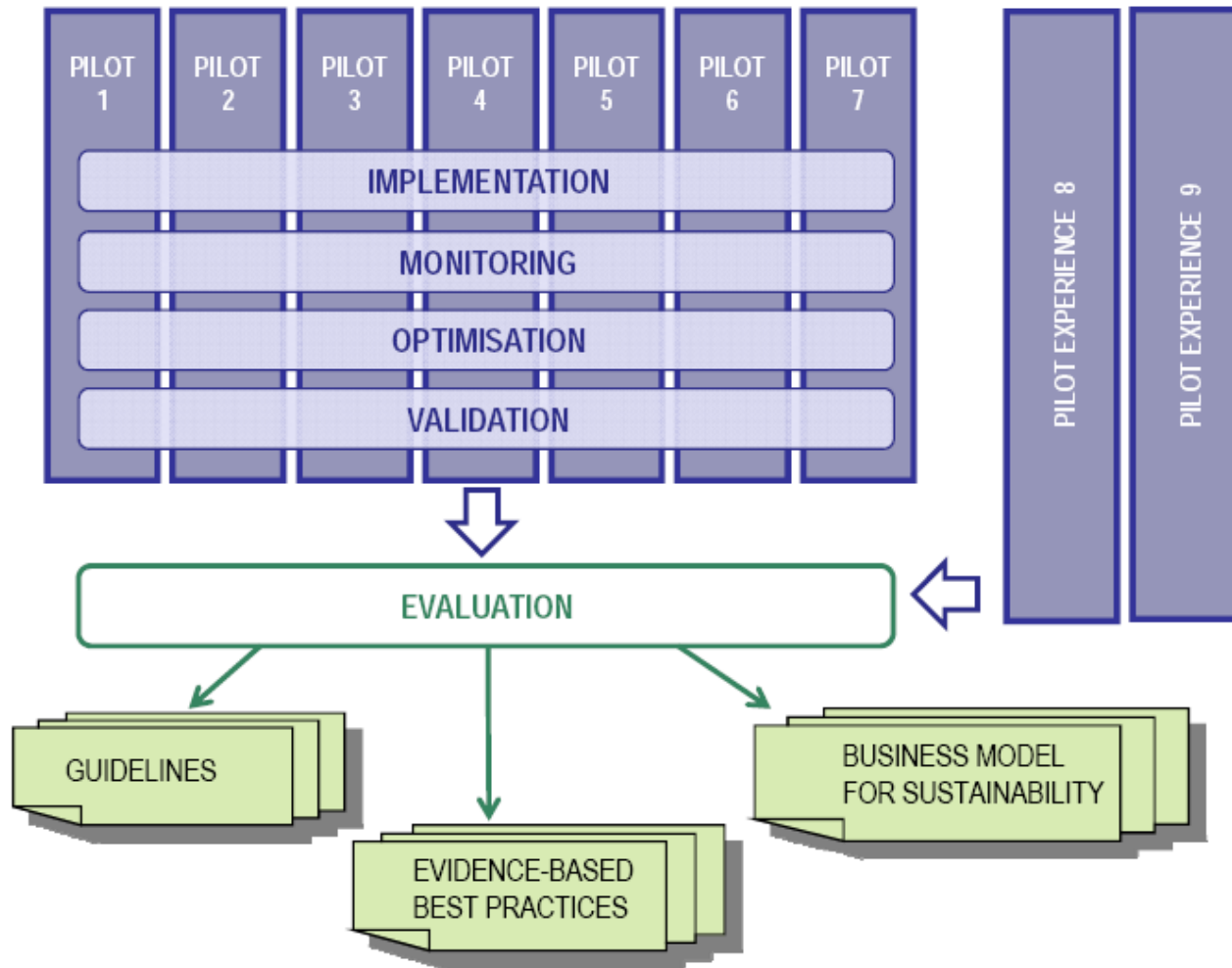
21 partners from 10 different countries

Involving 69,550 patients

Budget: 6,364,002 (50% from EU)

		Months	YEAR 1	YEAR 2	YEAR 3
WP1	HARMONIZATION OF PILOTS	01 - 06	█		
WP2	PILOTS IMPLEMENTATION	04 - 36	█	█	█
WP3	RESULTS AND IMPACT ASSESSMENT	18 - 36		█	█
WP4	DISSEMINATION AND EXPLOITATION	01 - 36	█	█	█
WP5	PROJECT MANAGEMENT	01 - 36	█	█	█

# Project approach



# Overall goal

To empower patients so they will be able to make informed decisions about their health, take an active role in their care and collaborate effectively with their healthcare team thanks to the use of information and communication technologies.







**Patient empowerment is considered a potential tool to improve efficiency of health systems, reinforcing healthcare quality and reduce healthcare costs.**

**High priority element in EU health strategy, as well as national and regional levels.**

# TASK 1.2 – PATIENT EMPOWERMENT

## Systematic Literature Review Search Strategy

Source: PubMed

Keywords:

- «Patient Empowerment»
- «Patient Involvement»
- «Patient Engagement»
- «Patient Enablement»
- «Patient Activation»
- «Empowerment Scale»

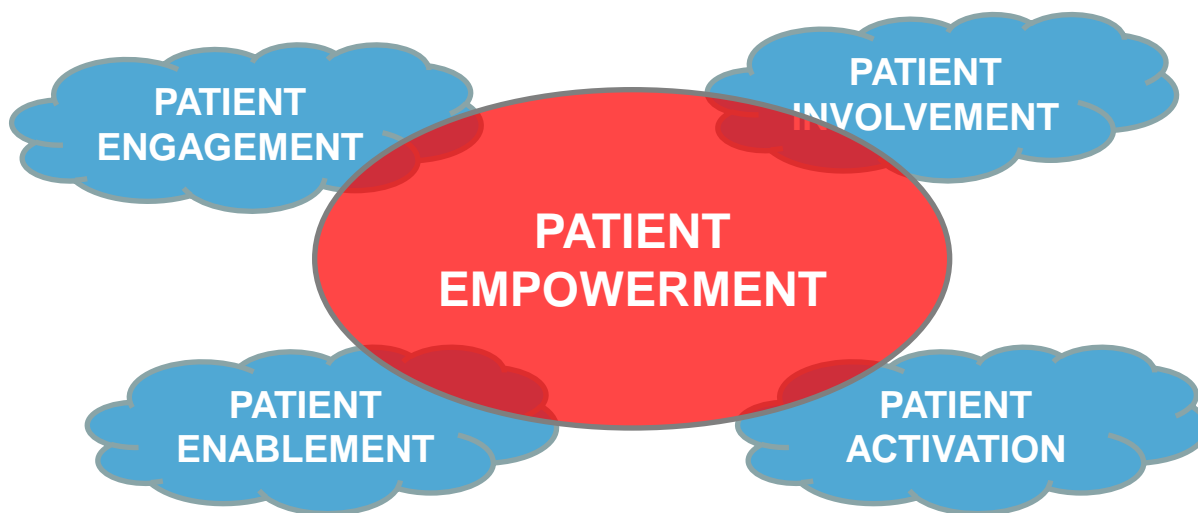
Years: 1990-2012

Language: English

Extraction: 04-09-2012

KEYWORDS	IDENTIFIED	DISCARDED	SELECTED
PATIENT EMPOWERMENT	434	381	53
PATIENT ACTIVATION	161	132	29
PATIENT ENGAGEMENT	176	165	11
PATIENT INVOLVEMENT	813	733	80
PATIENT ENABLEMENT	60	24	36
EMPOWERMENT SCALE	81	53	28
Duplicates			6
<b>TOTAL</b>	<b>1725</b>	<b>1488</b>	<b>231</b>

## A FUZZY CONCEPT





# TASK 1.2 – PATIENT EMPOWERMENT

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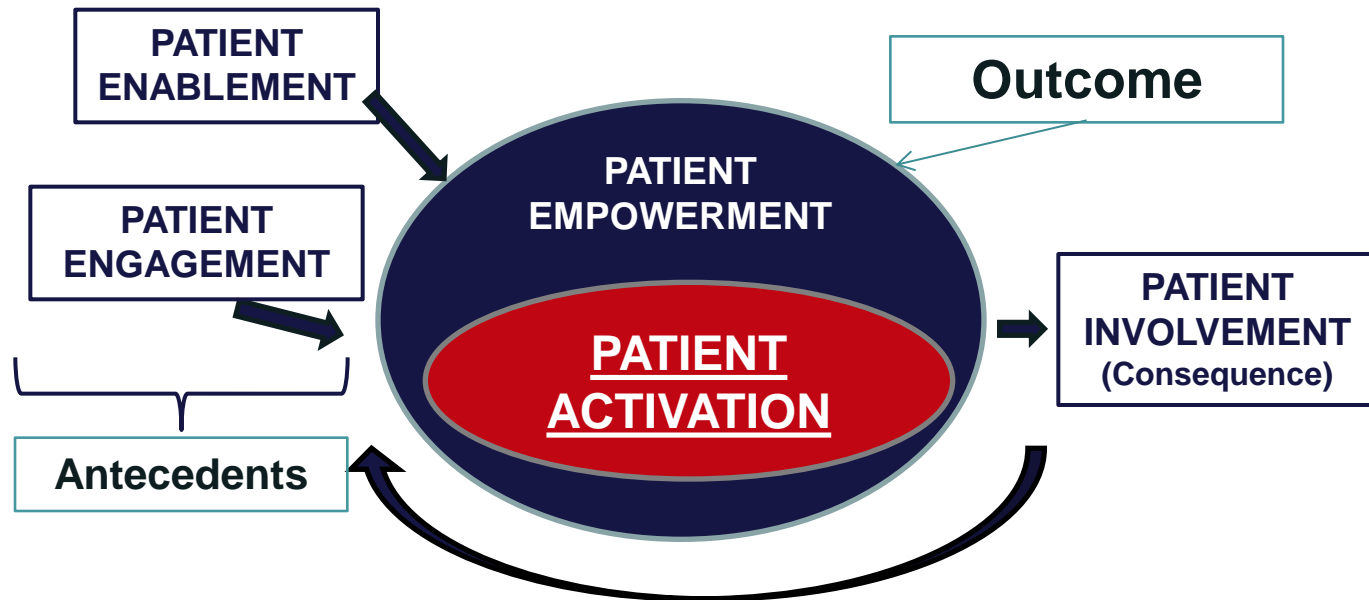
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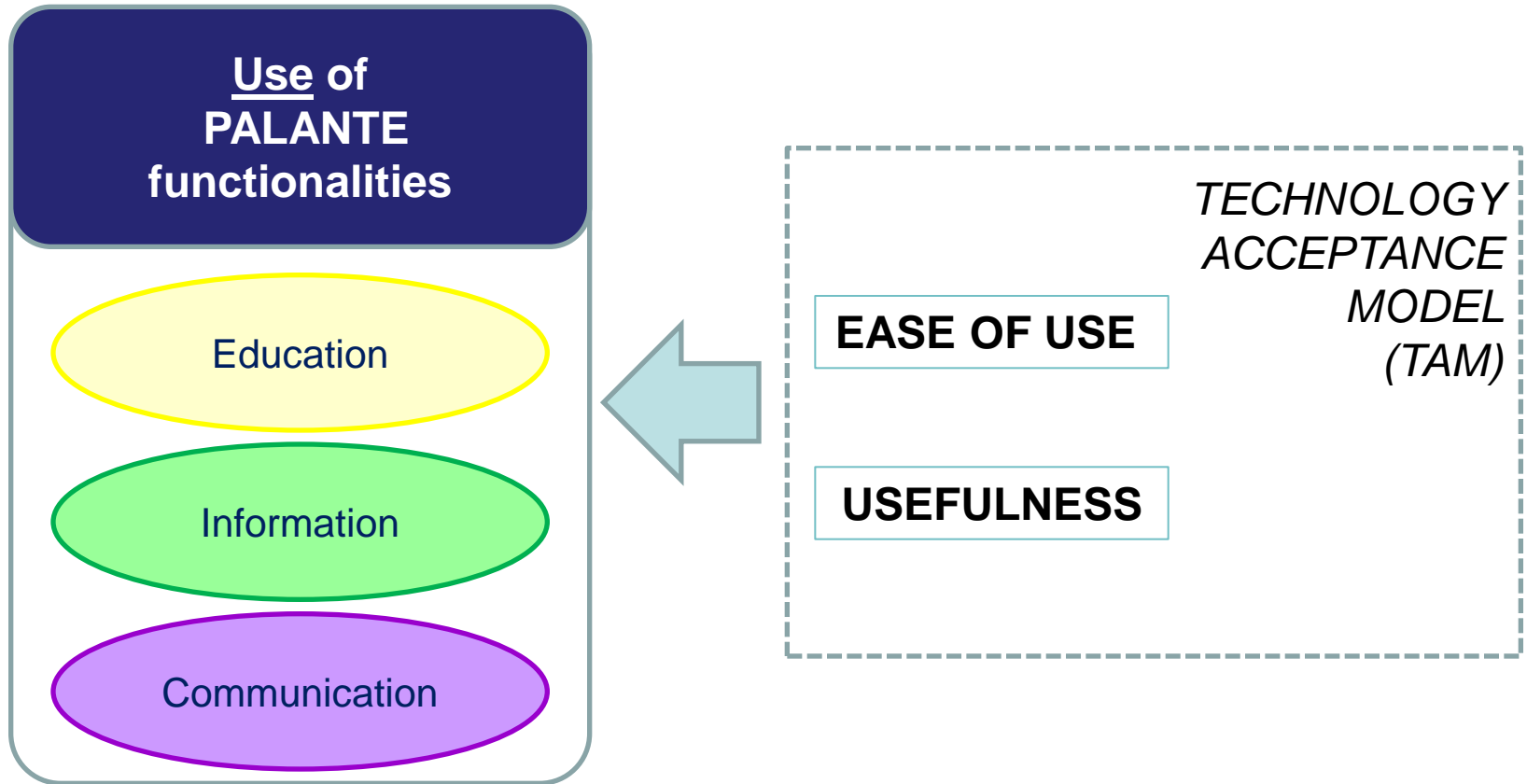
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# EVALUATION OF PATIENT SATISFACTION



# PATIENT ACTIVATION

## *Functionalities in PALANTE*

### Functionalities (from D1.3)

Telemonitoring

Care pathway

Education

Notification

Booking/  
Scheduling app.

Data / Information  
sharing

Communication  
between / with HCP

### Macro-categories of Functionalities

Education

Information

Communication

**PATIENT  
ACTIVATION**

**Main Hypothesis:  
The USE of PALANTE  
functionalities AFFECTS  
POSITIVELY  
patients' ACTIVATION**

# DATA SHARING INFRASTRUCTURE OUTCOMES

## ■ Collection of indicators and questionnaires tool

The screenshot displays the LimeSurvey administration interface. On the left, a login form prompts the user to enter their Username and Password, with a Language dropdown set to 'Default' and a 'Login' button. A link for 'Forgot your password?' is also present. The main content area shows the survey details for 'Pilot Site 2 Test Version First Wave Patients (ID:382188)'. The interface includes a top navigation bar with 'LimeSurvey Administration' and a user profile 'admin'. A secondary navigation bar shows the current survey title and various management icons. The survey details section lists the following information:

- Title:** Pilot Site 2 Test Version First Wave Patients (ID 382188)
- Survey URL - English:** <http://83.175.208.197/survey/index.php/382188/lang-en>
- Survey URL - Italian:** <http://83.175.208.197/survey/index.php/382188/lang-it>
- Description:**
- Welcome:** Hello Patient, Please take ten minutes to complete this short survey regarding your health and your PALANTE solution. Thank you
- End message:** Thank you for completing the survey.
- Administrator:** Reinhard Hammerschmidt (reinhard.hammerschmidt@empirica.com)
- Start date/time:** -
- Expiry date/time:** -
- Template:** bluengrey
- Base language:** English
- Additional languages:** Italian
- End URL:** -
- Number of questions/groups:** 26/7
- Survey currently active:** Yes
- Survey table name:** lime\_survey\_382188

Additional information includes: 'Responses to this survey are anonymized.', 'Hints: It is presented group by group.', and 'Participants can save partially finished surveys'.

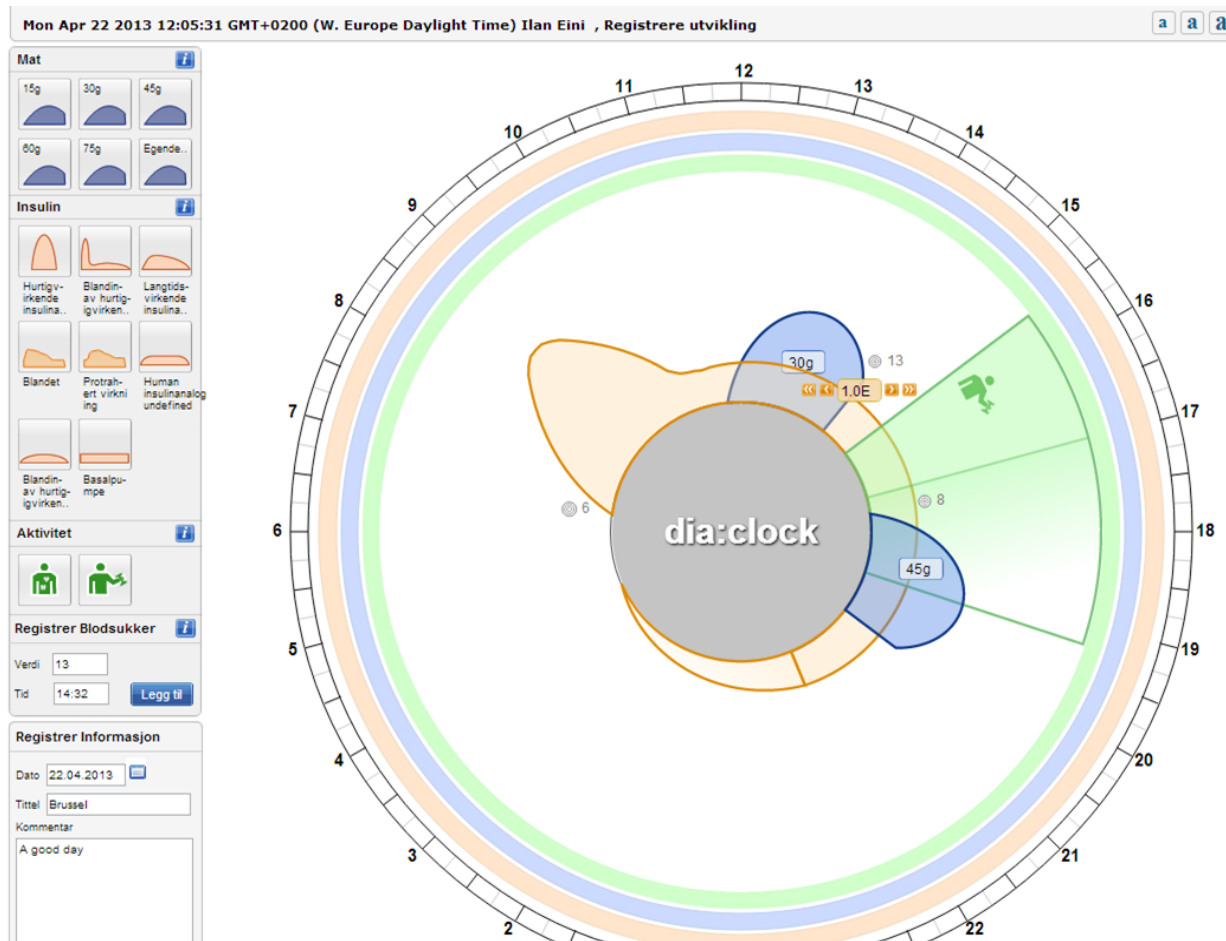
# Pilot services – Norwegian pilot

All pilots in Palante cover the issue of patients' secure access to their own health information.

Norway contribute in Palante with services (existing and new) with common denominators:

- support functionalities that *enhance communication* between patients and health professionals
- provide structured tools as well as visualization tools to enhance *quality of communication* between patients and health professionals
- provide structured registration tools for patients to *support their own management* of health

# Description of Norwegian pilot



## Education:

Development of visualization tool, dia:clock, as a help for patients to see the interrelating factors that affect their blood sugar levels



# Description of Norwegian pilot

The image displays a screenshot of a web-based patient preparation form titled "Oppgaver - Forberedelsesskjema til konsultasjon" (Tasks - Preparation form for consultation). The form is in Norwegian and includes a section for "6. Tingenes tilstand" (The state of things) with several horizontal sliders for rating various aspects of diabetes management, such as "Hvordan har du det med din diabetes?" (How do you feel with your diabetes?) and "Er du ofte plaget med høyt blodsukker?" (Are you often bothered by high blood sugar?). Below the sliders are text input fields for "Hva synes du er spesielt vanskelig?" (What do you find particularly difficult?) and "Hva synes du er spesielt lett?" (What do you find particularly easy?).

Overlappende på skjemaet er et diagram kalt "dia:clock". Dette diagrammet er et sirkulært klokkeviser som viser tidsforløpet for diabetesbehandling. Det har en ytre ring med timer fra 11 til 22, og en indre ring med farger som representerer ulike aktiviteter eller medisinske tilstander. I midten av klokken er det et område merket "dia:clock" med noen data punkter som "30g", "13", "0.8" og "45g".

Over skjemaet er det en liten oversikt over "Mat" (Mat) og "Insulin" (Insulin) med små grafiske representasjoner for ulike måltider og insulininjeksjoner. I øvre høyre hjørne av skjemaet er det en "LOGG UT" (Log out) knapp.

## Communication:

- Secure messaging between patients and health care professionals
- Visualization- tool (dia:clock) can be sent between patients and health care professionals as a communicational tool
- Prepare for consultation - form



# Challenges

- Patients' participation and involvement
- Healthcare professionals' contribution
- Healthcare systems commitment
- Results at European level

# Opportunities for cooperation and exchange with



- **Results and impact assessment**
  - Analytical structuring and description of services so as to collect comparable, basic information and data
  - Methodological approach
  - Methods to be used
  - Measurement instruments, tools to be used
- **Exploitation and dissemination**
  - mutual concertation meetings



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# *Thank you for your attention*

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