

EMPOWER – Support of patient empowerment by an intelligent self-management pathway for patients

Workshop "7th Framework Program – funded eHealth systems for diabetes"

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# Patient Empowerment as the driving vision for EMPOWER

- Patient empowerment is seen as an essential aspect of patient-centric care and is identified as a main element of change for improved quality and safety in healthcare. **Patient Empowerment engages patients to a greater extent in their healthcare process** so that disease management becomes an integrated part of their daily life
- There are different ways strengthening Patient Empowerment
  e.g. ensuring participation of patients and citizen in decision-making processes, strengthening health literacy, providing self-management support, fostering patient-physician relationship

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- What do patients need to cope better with their chronic diseases as part of their daily life?
- $\Rightarrow$  and how can that be supported by ICT?



## EMPOWER – Support of patient empowerment by an intelligent self-management pathway for patients

**Call & Work Programm**: FP7-ICT-2011-7, Objective ICT-2011.5.3a Patient Guidance Services (PGS), Safety and Healthcare record information reuse (STREP)



**Duration**: 36 months, February 2012 – January 2015

#### **Partners:**

- Salzburg Research Forschungsgesellschaft m.b.H. (Austria) Coordinator
- Helmholtz Zentrum München (Germany)
- GO IN Integrationsmanagement- und Beteiligungs-GmbH (Germany)
- Università della Svizzera italiana (Switzerland)
- Software Research and Development and Consultancy Ltd. (Turkey)
- I Intracom Telecom (Greece)
- I Ministry of Health (Turkey)

#### **2 Pilot Applications**

- 1 pilot in Ingolstadt, Germany with a network of GPs and diabetes specialists
- 1 pilot in Ankara, Turkey with family doctors and clinicians

## **Objectives in EMPOWER**



# (1) Fostering self-management with adaptive and secure patient pathways

- by including treatment goals and recommendations from physicians
- Adapted to the patients skills, requirements and needs
- Including disease-relevant information material and hints (EMPOWER Tips) as an intergrated part of the EMPOWER features

#### (2) Supporting behaviour changes with personalised action plans

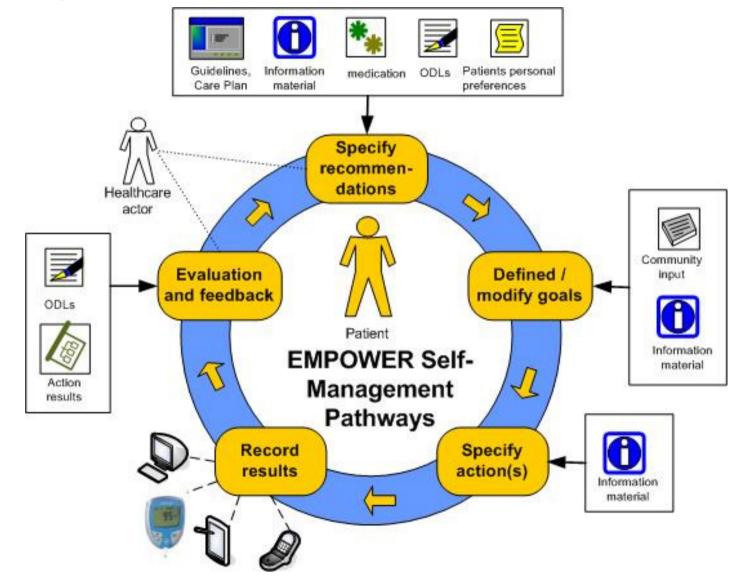
by including services for personalised, long-term self-management goals realised by shortterm activities

#### (3) Facilitating self-control by collecting patterns of daily living

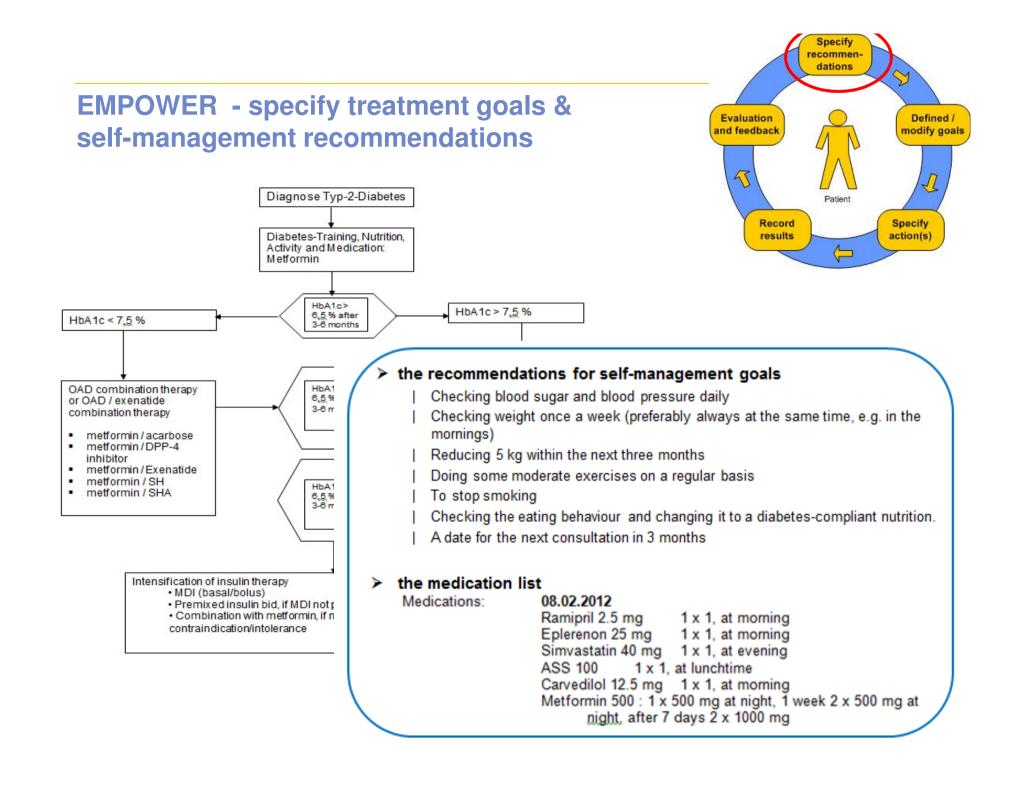
- Services for Observations of Daily Living (ODLs) about vital, physical and mental parameters and about physical and lifestyle activities
- (4) Semantic interoperability with existing Personal Health Applications
  - by supporting semantic interoperability based on established standards such as ISO/CEN13606 information models



# **EMPOWER** approach - supporting (self-)management of diabetes patients



5



#### recommendations Evaluation **EMPOWER - Define long-term goals** and feedback Patient Please specify your personal self-management goals: Record 1. Select Recommendations 2. My Goal results At the beginning, select a treatment goal you can easily start with. You can select none, or one or more treatment goals. Choose a treatment goal for specifying your own, more detailed self-management goals Please specify your personal self-management goals: My recommendations for self-management from 1. Select Recommendations 2. My Goal **Care Provider** Recommenda Wed Feb 08 09:36:00 Hans Schmidt Take the medi Tips ✓ Wed Feb 08 09:36:00 Hans Schmidt Measure and If it is difficult for you make goals, experiment with strategies that might help you. You might share your goals with family or friends, health professionals, or use the Internet. Wed Feb 08 09:36:00 Hans Schmidt Check your we You might divide your goals into smaller goals that are more achievable for you. Wed Feb 08 09:36:00 Hans Schmidt Change your e Wed Feb 08 09:36:00 Hans Schmidt à Do some sport Blood sugar Specify a goal Get regular with measuring my blood sugar before October **Goal Description** Make a city-trip to Budapest for Christmas! Describe any rewards or motivations that might help you achieve your goal: Comments ← Previous Step Save Goal

Tips

Date

CET 2012

CET 2012

CET 2012

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CET 2012

Next Step →

7

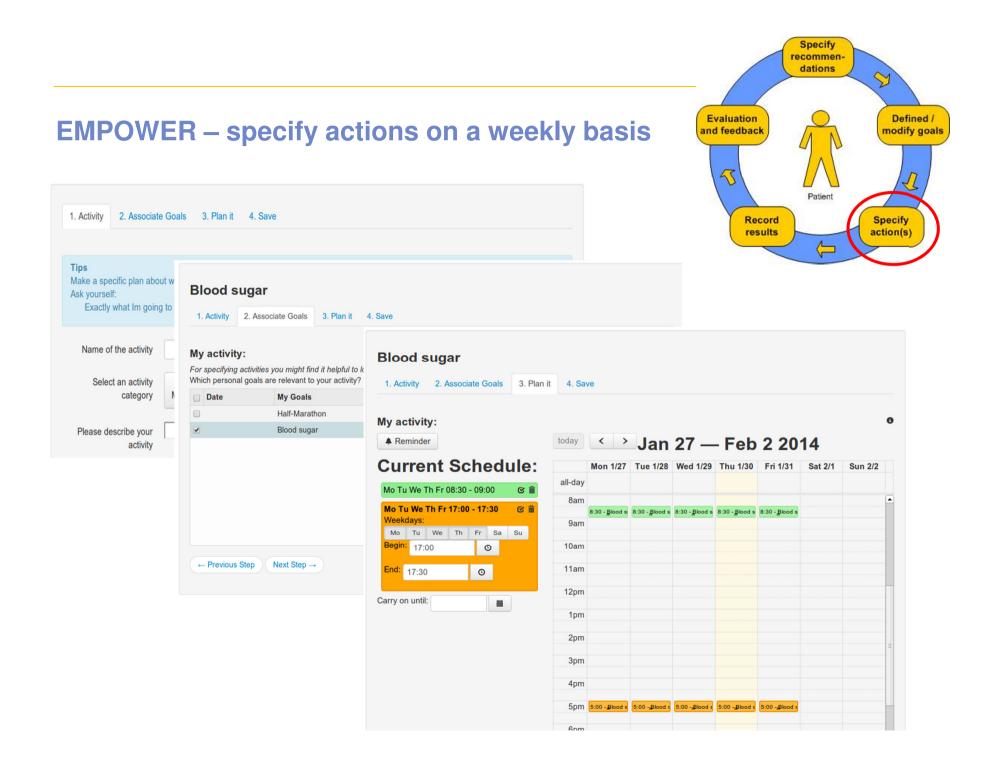
Specify

Defined /

modify goals

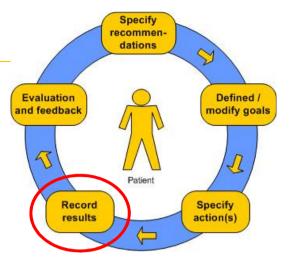
Specify

action(s)

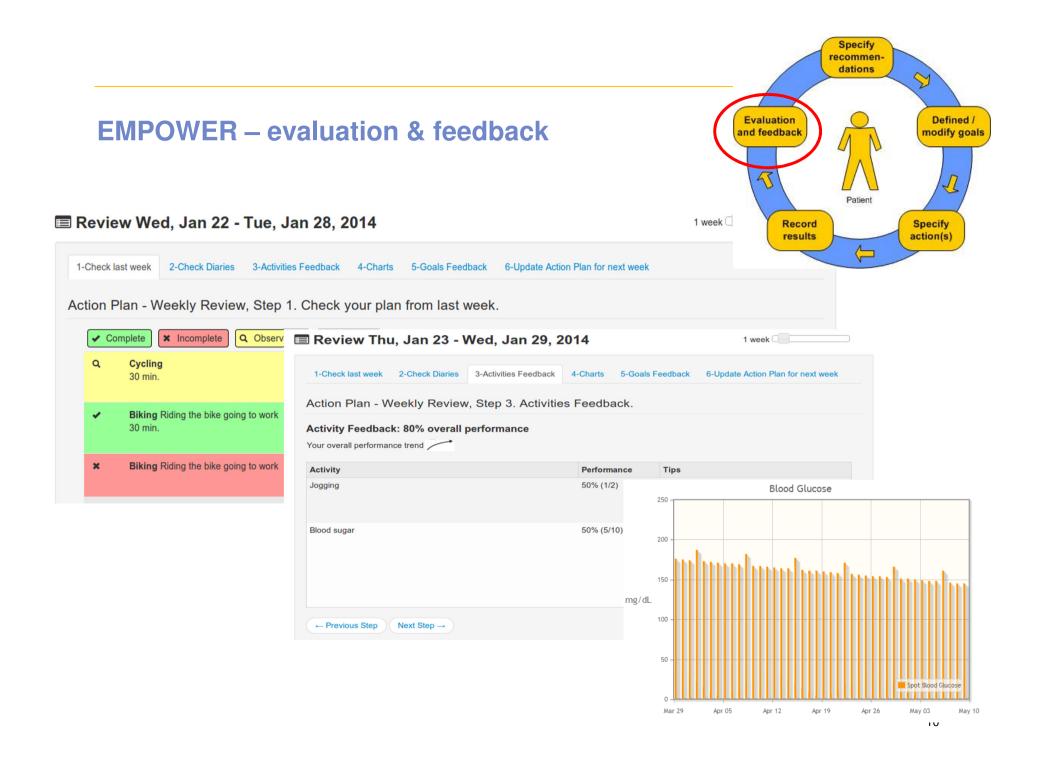


### **EMPOWER – collecting data**

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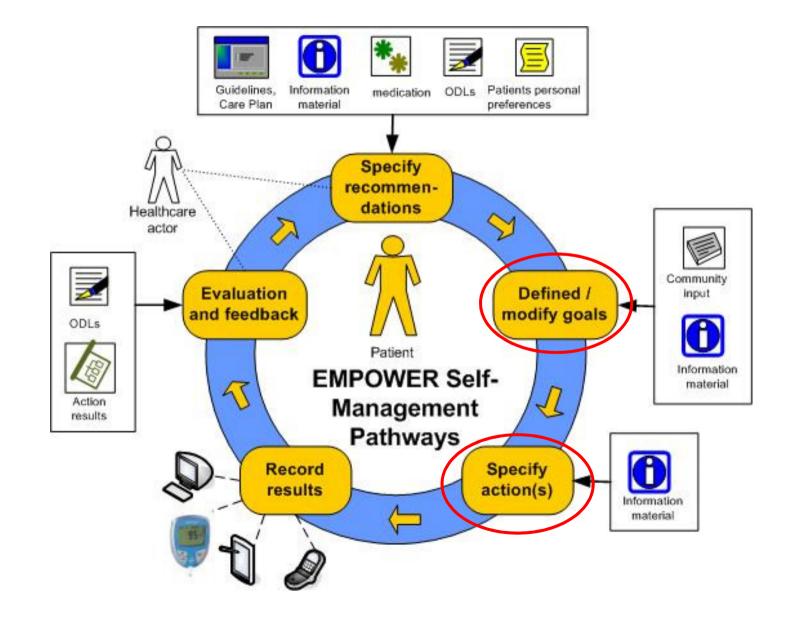


Blood Glucose Blood Pressure Body Weight Meals Physical Activities Medication Mood Problems Sleep Stress





## **EMPOWER** approach – planning the next week



And finally...

We cannot empower patients!

We only can provide a framework (tools, services, etc.) that makes it easier for patients to empower themselves.



# Contact

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