

EMPOWER



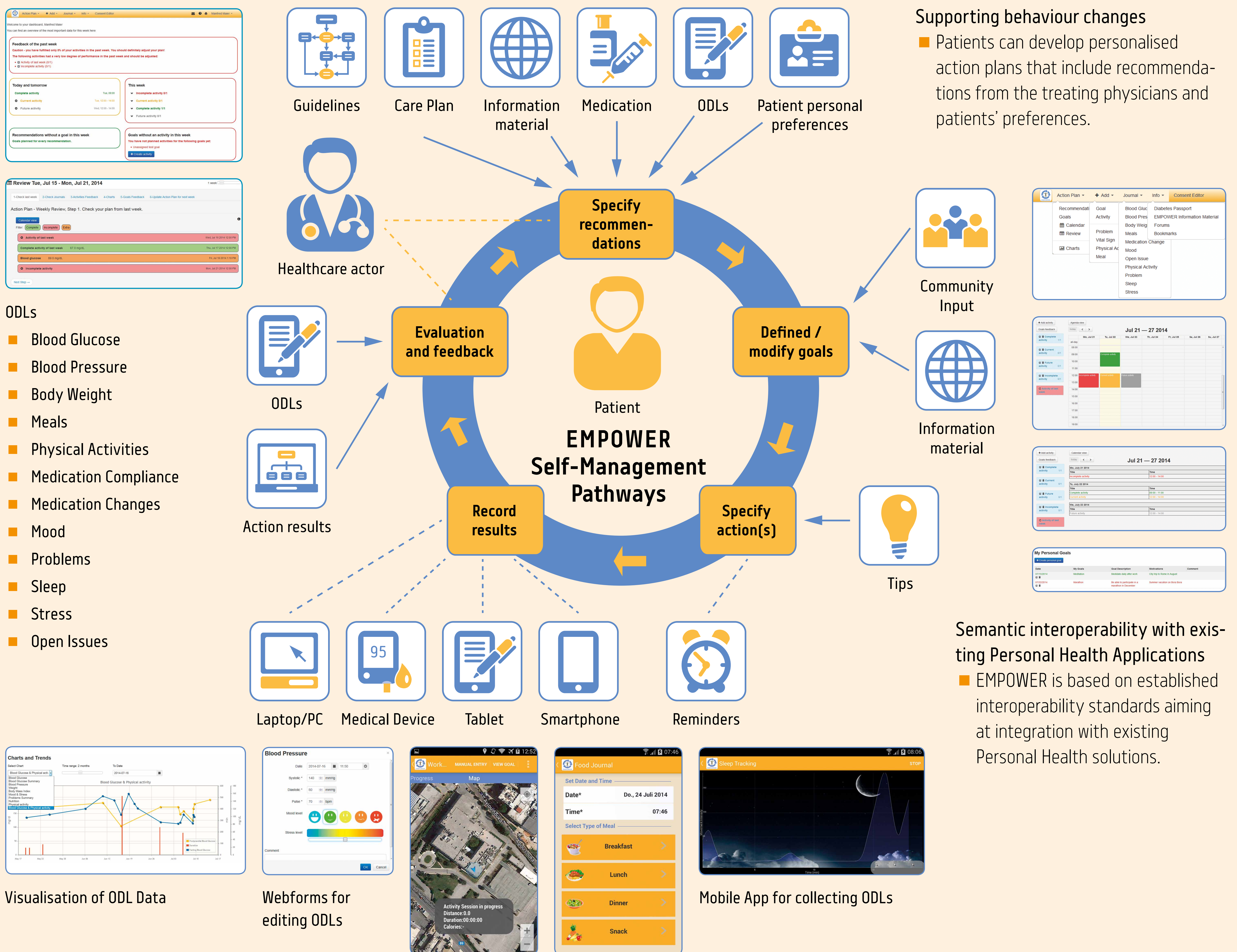
Patient-Empowerment Services for Diabetes Self-Management

EMPOWER is a modular and standard-based Patient Empowerment Framework which facilitates the self-management of diabetes patients and provides services for:

- the specification and execution of actions to change behaviour according to diabetes-specific health care needs
- monitoring of Observations of Daily Living (ODLs) such as vital, physical, mental parameters, physical and lifestyle activities based on health standards
- the specification and communication of recommendations from medical professionals to patients based on standardised guidelines

EMPOWER Components:

- Decision Support Component for Medical Professionals
- Self-Management Patient Pathway for planning and feedback
- Personal Health Applications for collecting ODLs
- Consent Management to ensure Secure Communication and Access
- Reporting and Visualisation for Patients and Medical Professionals



EMPOWER semantically integrates heterogeneous information sources (patient records, diabetes guidelines, patterns of daily living) for a shared knowledge model. The Self-Management Pathways facilitate the specification of recommendations that allow creation of individual goals for the patient. Derived from these goals and other personal preferences patients can plan their individual diabetes-specific actions. Recommendations, goals and actions can be further adapted situation-based.

EMPOWER focuses the R&D efforts on a patient-centric perspective that also involves healthcare professionals. The self-management pathway is evaluated in pilot applications for diabetes patients in Germany and Turkey with their different national settings in two phases. Feedback from validation phase 1 was collected via questionnaires, regular telephone feedback and round tables. The framework for validation phase 2 is based on the „Model for ASessment of Telemedicine (MAST)“.

Contact: Felix Strohmeier | Salzburg Research Forschungsgesellschaft mbH
E-mail: felix.strohmeier@salzburgresearch.at | Website: www.empower-fp7.eu

Authors: Felix STROHMEIER, Ilias LAMPRINOS, and Yildiray KABAK

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

The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement No 288209, EMPOWER Project