

Empowering Patients with COPD Using Telehomecare Technology



L. Huniche, Institute of Public Health, University of Southern Denmark

B. Dinesen, Department of Health Science and Technology, Aalborg University, DK

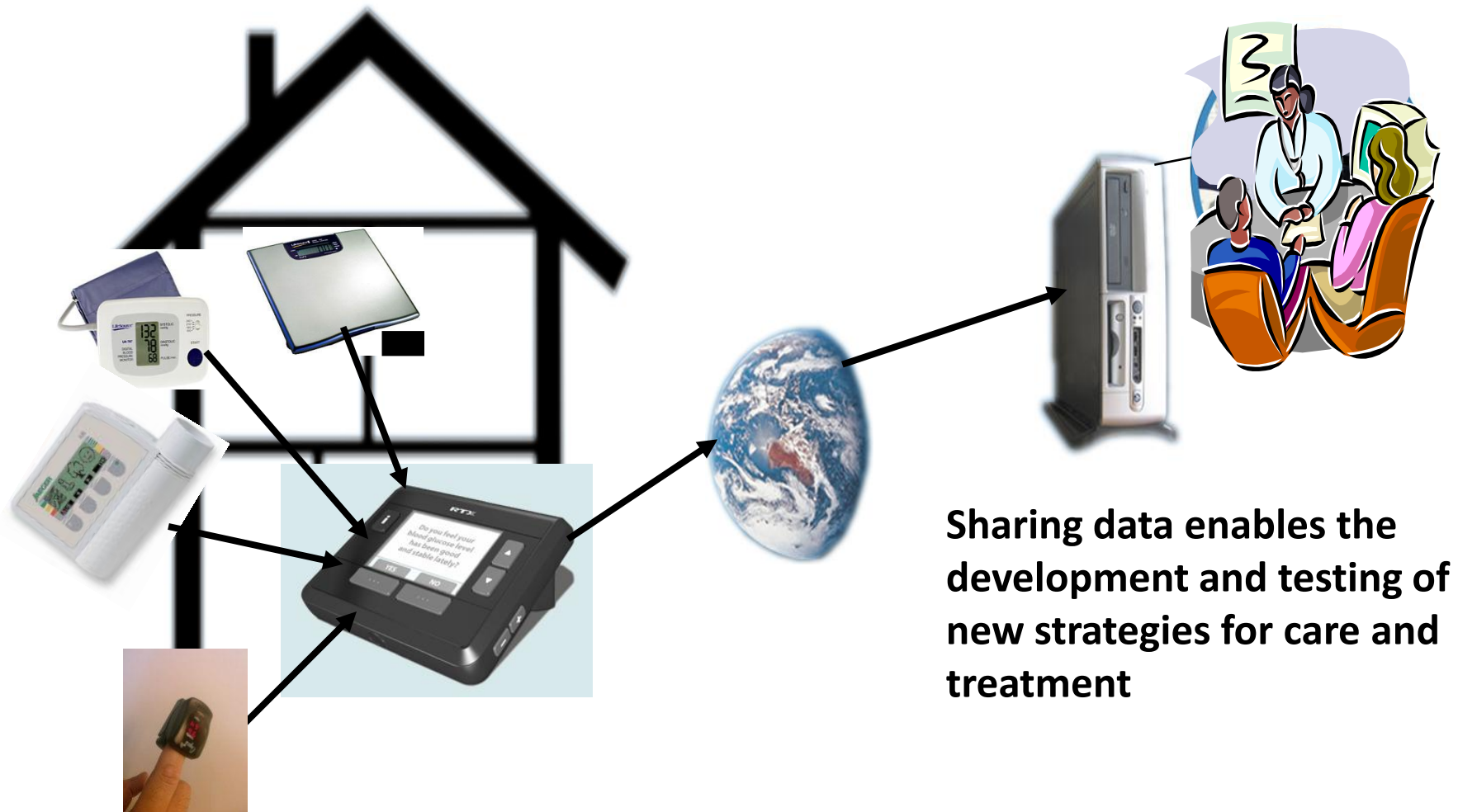
O. Grann, Vejgaard Healthcare Center, Healthcare Center Aalborg, DK

E. Toft, Department of Health Science and Technology, Aalborg University, DK

C. Nielsen, Aalborg Hospital, Aarhus University Hospital, DK

Patients homes

Health professionals



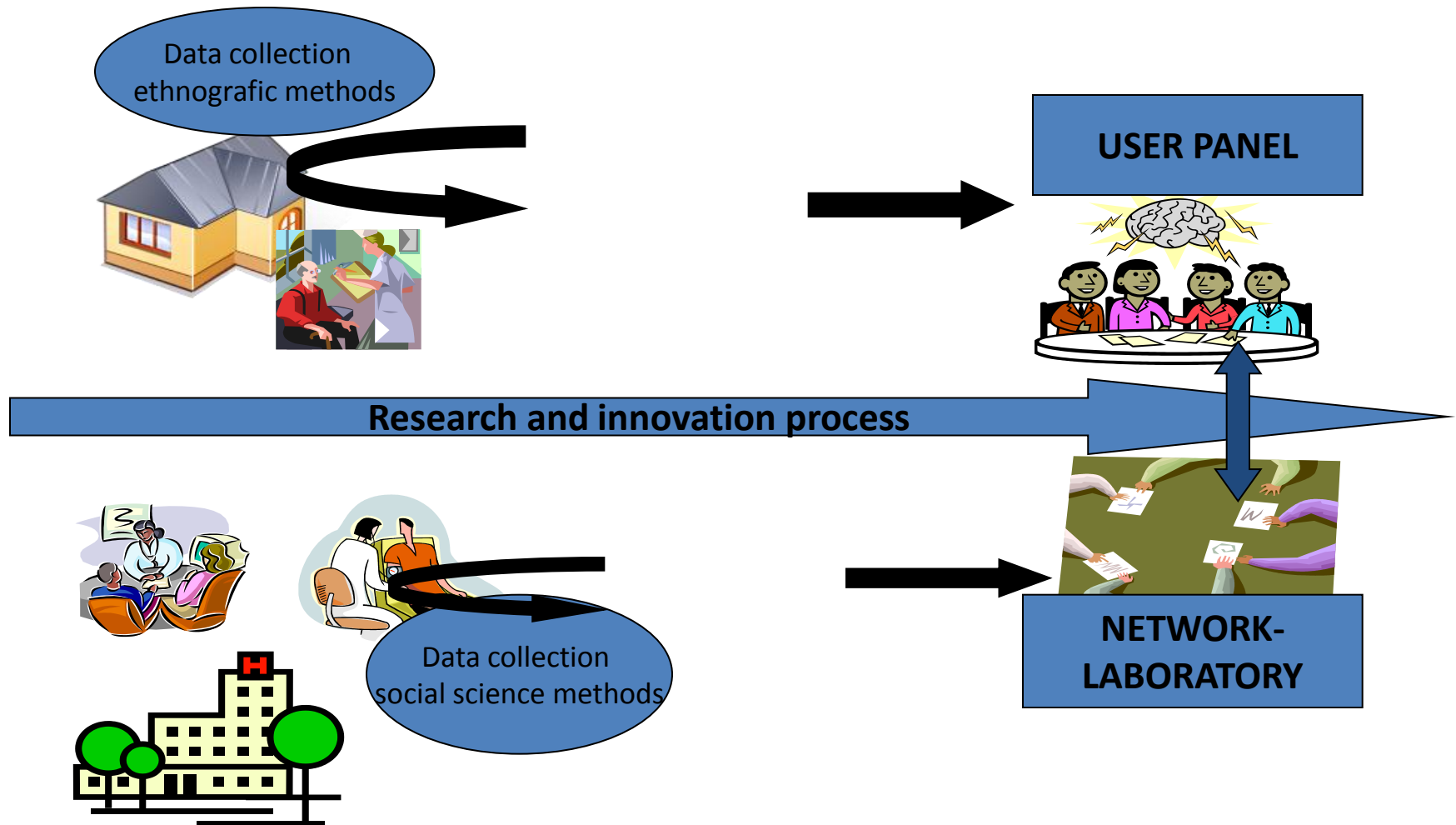
Aims of the project

- To prevent hospitalization and re-admission of people with COPD by promoting home based rehabilitation
- To develop and test new procedures and technologies for self-monitoring
- To develop and test new preventive forms of care and treatment for people with COPD in cooperation with actors across the health system
- To investigate the experiences, attitudes and insights of COPD patients and their relatives of telehomecare as part of their daily lives
- To explore the causal dynamics and changes in user-driven innovation in a health-professional network over time
- To investigate economic aspects of telehomecare

User driven innovation: Why?

- Involvement of the entire value chain (patients, relatives, health professionals, technology developers)
- Supports the development of technologies that are useful and userfriendly (both to patients and professionals)
- Supports the development of technologies that may serve more purposes (treatment, rehabilitation, patient education, self-care, the seamless health care system)
- Supports the development of associated organisational strategies and further education of health professionals
- A way to empower patients to live better lives with COPD

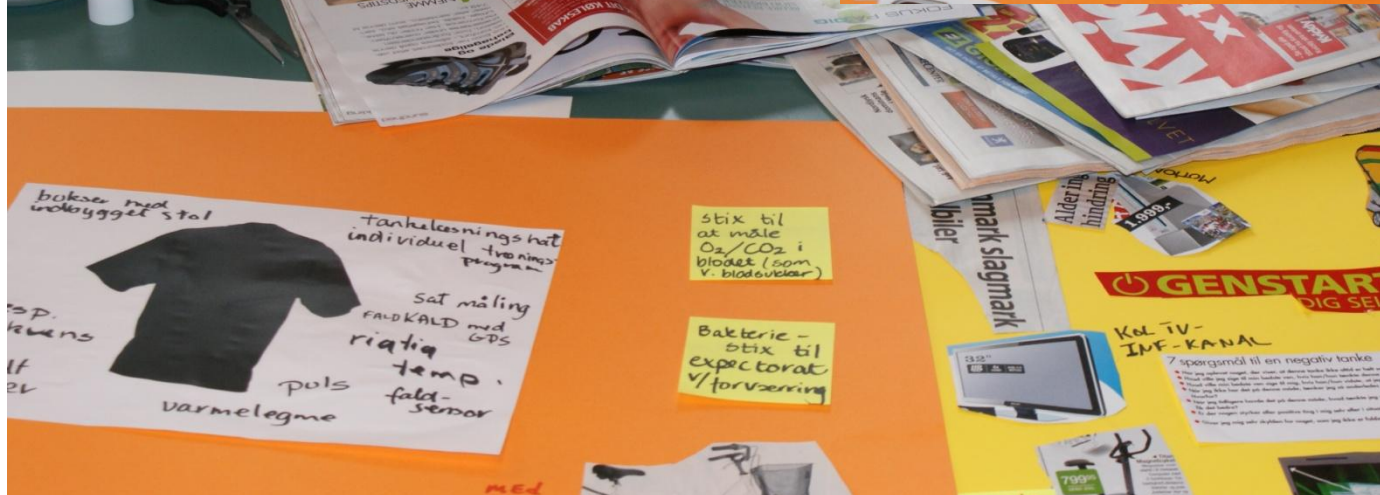
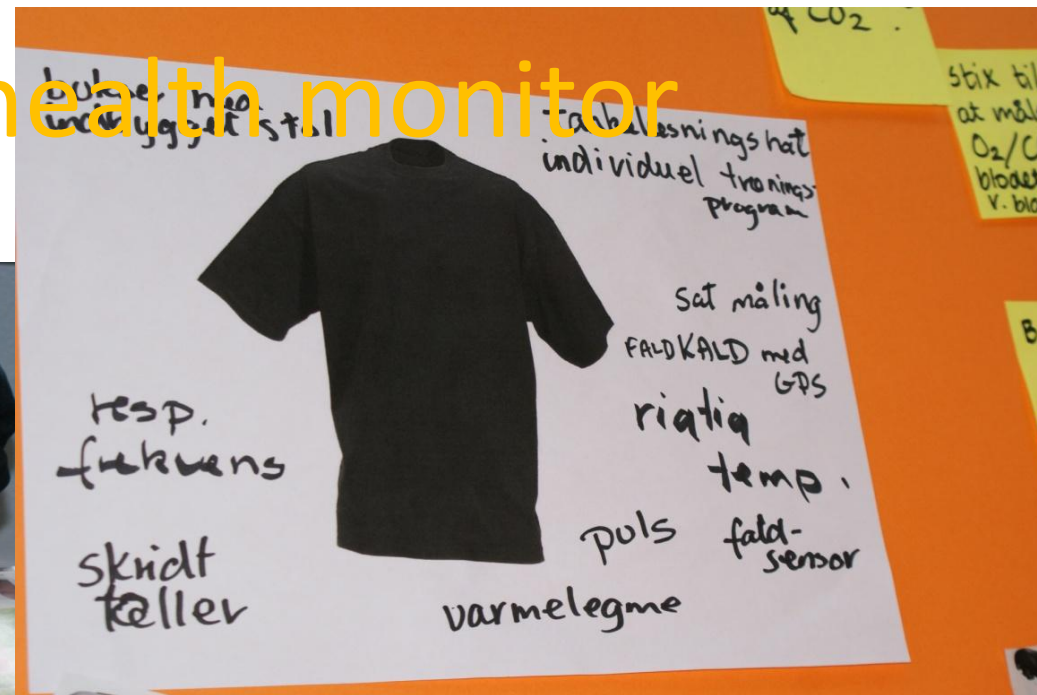
User driven innovation: How?



TELEKAT

TELEHOMECARE,
CHRONIC PATIENTS
AND THE INTEGRATED
HEALTHCARE SYSTEM

Portable health monitor



Outcome: Users

- Knowledge of COPD
- Insight into the perspectives of other participants, organisational aspect of COPD-treatment and developments in research and technology
- Exchange of experiences
- Collaboration – common cause - participate in and contribute to development of telehomecare

Outcome: Activities

- Newsletter (3 times yearly)
- Development of the Telekat-concept (patients as lead users + district nurses + Aalborg University)
- Materials for patient education
- Development of web based portal (continues at local health centre)
- Workshop on user driven innovation

Empowerment in health care

- Common aim of telemedicine:
To empower patients to become more active participants in managing their own disease
- Common definition of empowerment:
An educational process designed to assist patients develop knowledge, skills, attitudes, self-awareness necessary to assume responsibility for health-related decisions

Self-care as a moral ideal

- Utilitarian perspective: the increase of efficiency and cut down of costs
- Virtue ethics: the contribution to independence and autonomy
- Tension between self-care as:
 - a managerial tool (institutional perspective)
 - a way to handle everyday life with medical requirements and other values (patient perspectives)

Solutions

- telecare solutions that place self-monitoring and self-care in a context of professional support for developing strategies to take care of oneself
- telecare solutions that assist organisational and institutional developments of seamless care
- telecare solutions that assist the engagement of a community
- Paulo Freire: emancipation through educational processes that raise awareness of position and enable people to take joint action

Thank you to

- The Danish Enterprise and Construction Authority
 - *The National Program for User driven Innovation*
- Center for Healthcare Technology, Aalborg University
- All partners

Total budget 9 million kroners (1.3 million Euro)

For further informations please contact:

See www.telecat.eu