

The Danish PWT Foundation

– investments in Public Welfare Technology

2010 ETP Conference: *Working together on societal challenges*

Bruxelles, 11-12 May 2010

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Why did the Danish government establish the PWT Foundation?

We face serious challenges in the public sector!

- Demographic challenges
- Recruitment challenges:
25% of public sector employees will retire within the next 6-7 years
- Growing expectations to the public service levels from citizens (a result of growing income levels)



The double demographic challenge

Looking for intelligent solutions to meet the double demographic challenge

The PWT Foundation – investments in welfare technology and ICT solutions in order to save time and costs in the public sector

The Ministry of Finance distributes **400 mill. Euro** in 2009-15. Focus: ICT and welfare technologies and technical aid equipment.

- > Supports projects that demonstrate and document labour-saving potential within public service and care
- > Promotes innovative solutions with a labour-saving potential on a national level
- > Finances national initiatives across sectors
- > Pushes the agenda

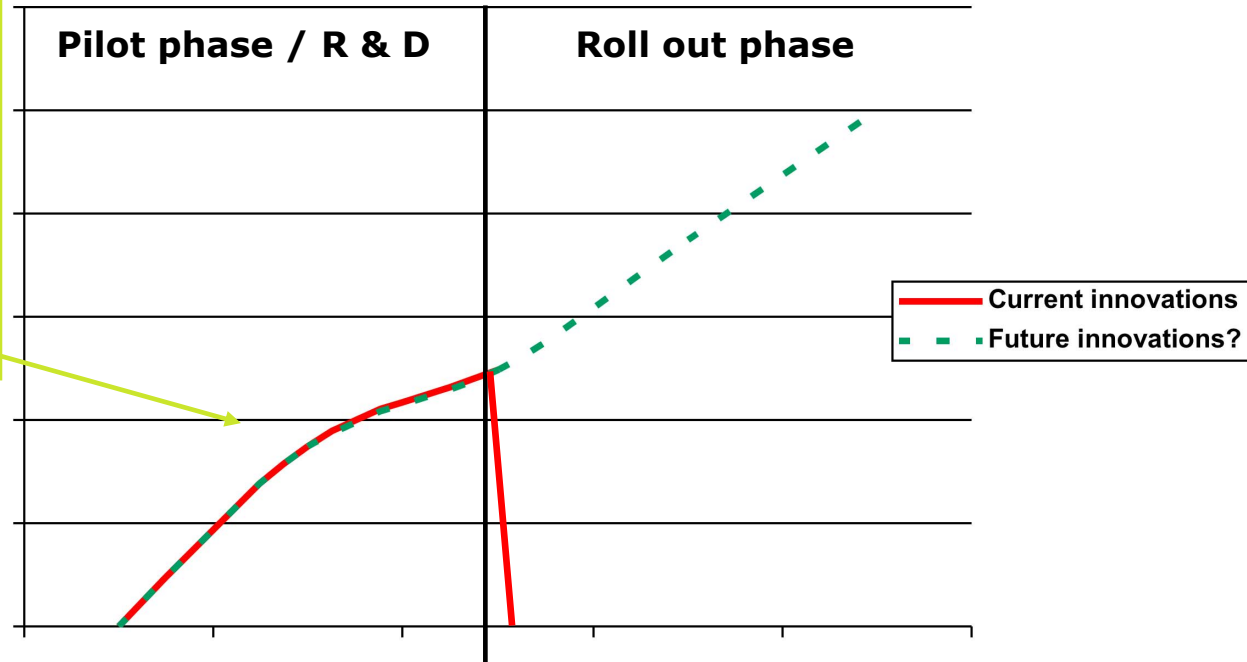
Example from eHealth: Why are innovations in Health Care so difficult?

Funding of innovations

Funding of innovations by:

- European Union
- National Governments
- Foundations
- Etc.

Temporary financing



What we do in the PWT Foundation

- > We co-finance pilot projects that work with ICT, new technologies – and new ways of working.
- > Applicants are public authorities – e.g. hospitals, nursing homes and other social welfare institutions – typically in co-operation with private enterprises/industries

The trick:

- > The applicant should be able to realize the main part of the labour saving potential, service and production improvements etc. described.
- > The solution is innovative and general; It can be copied or shared
- > We monitor the projects focusing on labour-saving potential and service improvement.
- > When a project has proved a positive business case/benefit realization, the initiative can be mainstreamed and implemented nationally – with the possibility for funding from the PWT Foundation

-> proliferation of best practice!

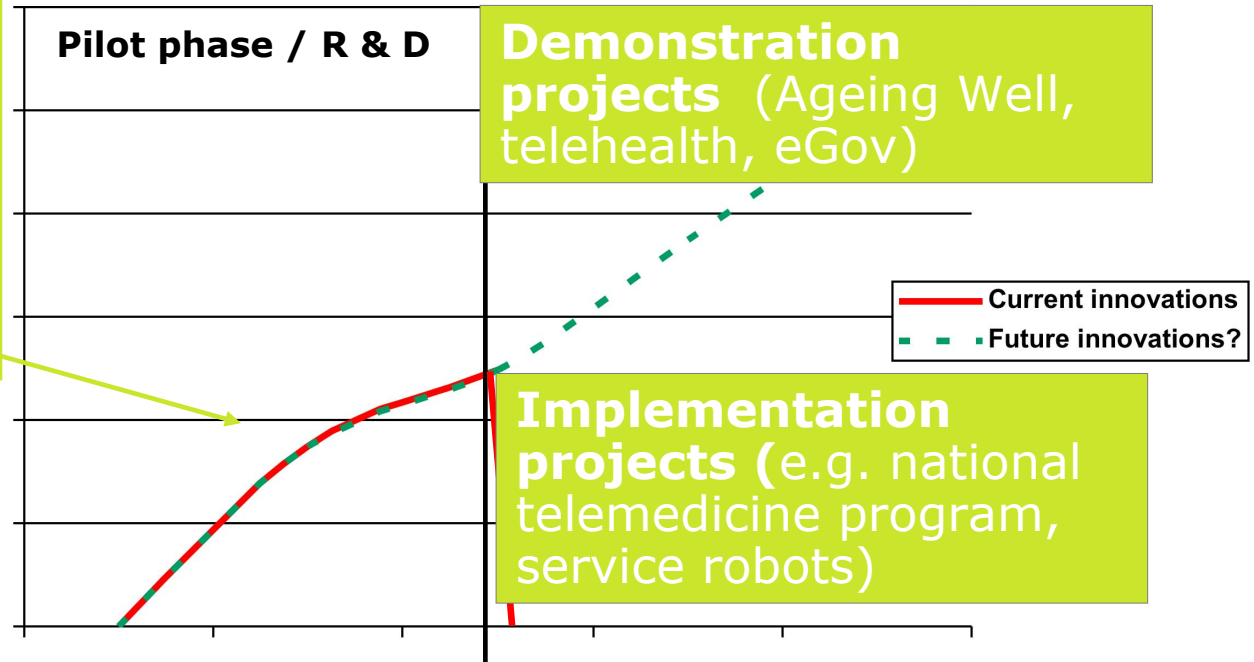
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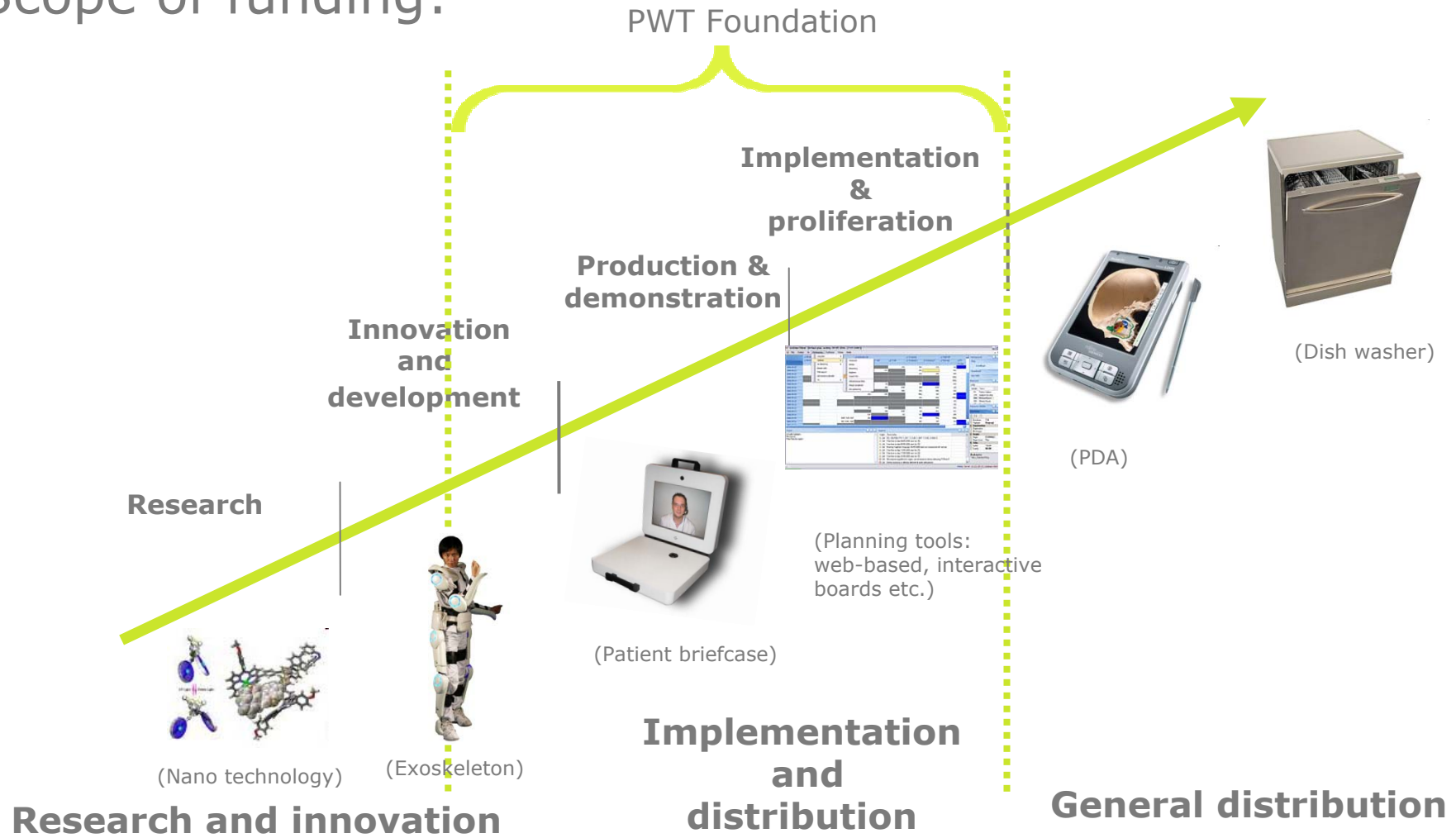
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Temporary financing



Technological maturity

Scope of funding:



Spill-over effects

The main focus is the labour-saving and business case perspective

The employee perspective

- > We attract employees by using ICT and care-technology
- > We improve the work-environment and reduce on-the-job injuries

The user perspective

- > Empowerment and involvement of the user, higher quality of services, better health and life-quality

The business perspective

- > Generate demand and spur faster technological development
- > Create a platform for improved cooperation between the public and private sectors

Results and Examples

The PWT Foundation co-funds projects in all areas of the public sector with different technologies:

- > Telemedicine
- > Labour saving technologies and rehabilitation equipment and devices in care and health sectors
- > Service robots and automatic solutions
- > ICT e-Government and administration

Examples – telemedicine and rehabilitation



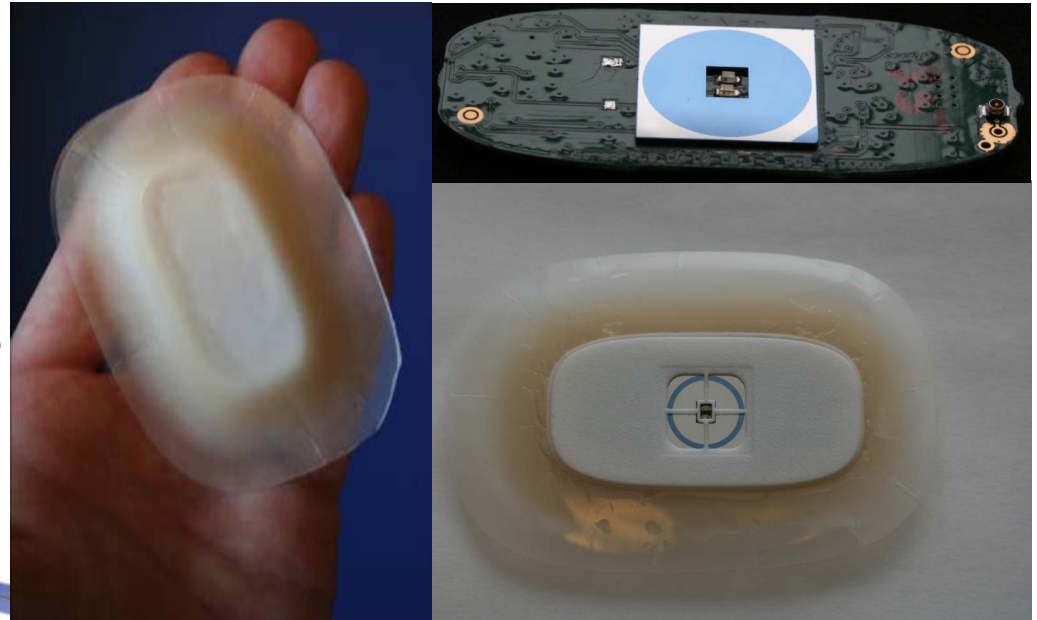
Ward rounds and rehabilitation in private homes with patient briefcase. Patients have direct online video conferences with trained healthcare personnel who measure patient's progress via medical equipment. Patients receive training in their own homes 10 min. per day instead of 20 min. twice a week.

-> Better training and faster rehabilitation, easy to use

24/7 monitoring of heart patients with pacemakers

Ward rounds in patient's own home.

Wireless 'intelligent' band-aids with sensors that monitor EKG, heart rhythm, sound from lungs. Constant measurements can give medical specialists early warnings of complications – and better possibility for fast treatment



NetBooks to nurses on home visits

Nurses visiting patients in private homes bring a NetBook with wireless internet access and a small portable printer. The nurse can then – via a secure VPN, accessed from mobile phone – log on to the patient's personal medical journal and send/receive messages to patient's family doctor, pharmacy etc.

All new entries in the journal can be printed on the spot, so the patient has an updated version of the digital journal.

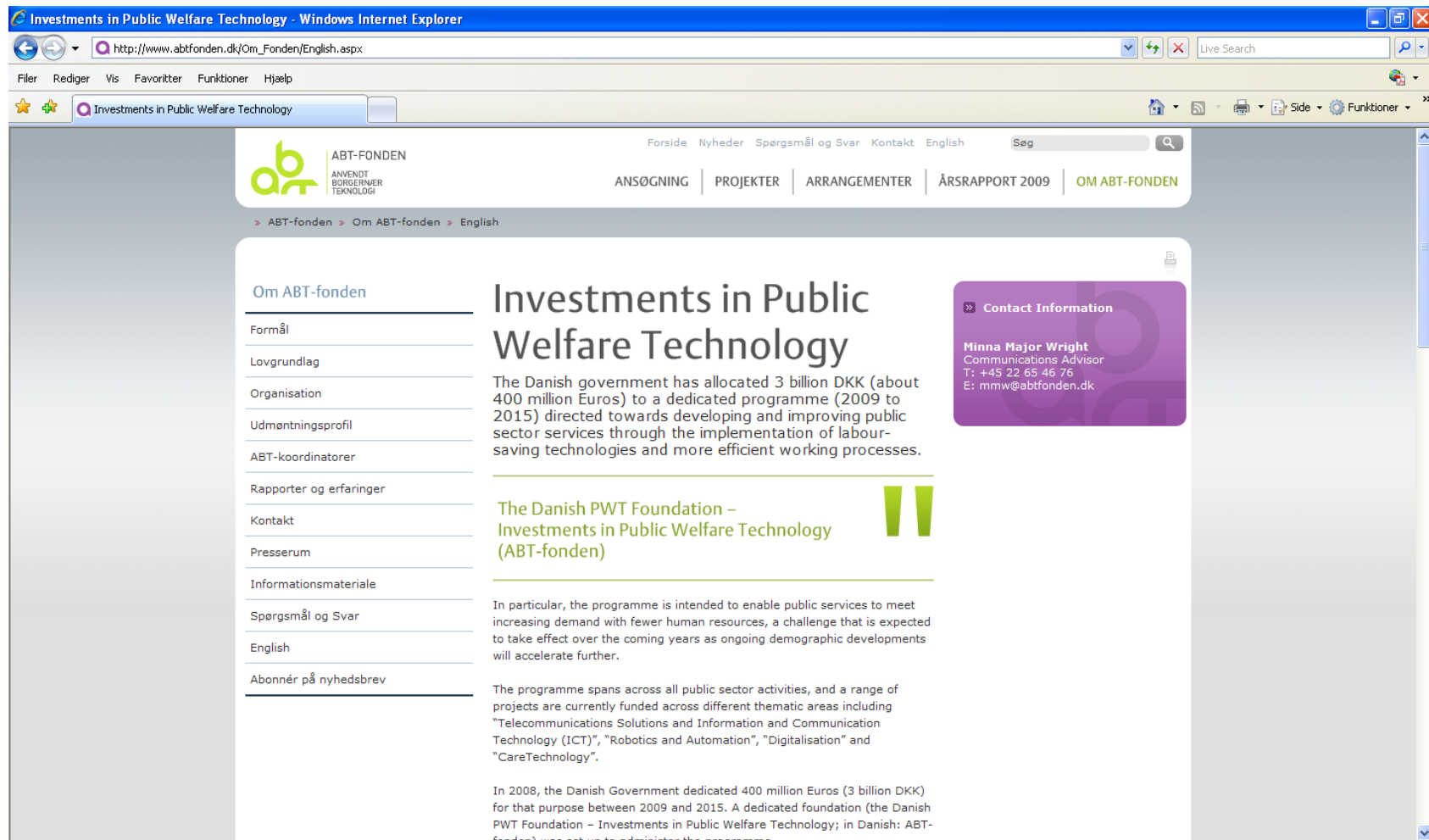


Future trends with technology in the public sector – the health care area as example

Home health care

- > Tele-monitoring
 - > Tele-care
 - > Tele-medicine
 - > Tele-health
 - > Assisted technology
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- From a hospital approach to holistic, patient-centred approach that empowers the user to take responsibility for her own health
 - Building a technological bridge between hospital and home
 - Opening and integration of hospitals with primary care sector and other welfare areas

More information: www.abtfonden.dk (mostly Danish)



The screenshot shows a Windows Internet Explorer browser window displaying the website http://www.abtfonden.dk/Om_Fonden/English.aspx. The browser's address bar and menu bar are visible at the top. The website header includes the ABT-FONDEN logo (ANVENDT BØRGERNER TEKNOLOGI) and navigation links: Forside, Nyheder, Spørgsmål og Svar, Kontakt, English, and a search box. A secondary navigation bar contains links for ANSØGNING, PROJEKTER, ARRANGEMENTER, ÅRSRAPPORT 2009, and OM ABT-FONDEN. The main content area is titled "Investments in Public Welfare Technology" and features a sidebar with a table of contents: Om ABT-fonden, Formål, Lovgrundlag, Organisation, Udmøntningsprofil, ABT-koordinatorer, Rapporter og erfaringer, Kontakt, Presserum, Informationsmateriale, Spørgsmål og Svar, English, and Abbonné på nyhedsbrev. The main text describes a 3 billion DKK program from 2009 to 2015 for developing public sector services. A contact information box for Minna Major Wright is also present. The footer contains a paragraph about the foundation's establishment in 2008.