

Promoting Cleantech in Public Procurement and Investments in Finland

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Agenda

- Background
- Cases
- Challenges
- Solution

Focus on CLEANTECH

- Cleantech includes products, services, technologies and processes that
 - Improve the sustainable use of natural resources
 - Energy efficiency
 - Material efficiency
 - Greatly reduce (or eliminate) negative environmental impacts
 - Compete favorably on price and add economic value
 - Represent innovative or novel solution
- Cleantech is globally a growing sector and especially important in Finland in terms of
 - Raising employment rate
 - Creating (export) markets for SMEs



Various definitions exist for cleantech, see for example: Stack, J., Balbach, J., Epstein, B. and Hanggi, T., 2007. Cleantech venture capital: How public policy has stimulated private investment. Environmental Entrepreneurs, Report May 15, 2007.

Cleantech in public procurement

- Finnish Government has set an objective of 350 million €, i.e. 1 % of the total value of nation's annual public procurement expenditure to be targeted to cleantech solutions
- Cleantech can be applied to different sectors, but
 - Construction
 - Energy
 - Transport
 - Waste managementhave been recognized most suitable for cleantech solutions



Finnish cleantech procurement cases (examples)



Eco-efficient office
"Synergia"



Solar energy based
swimming hall, Pori



Street lighting (ESCO
based), Turku



Collection system for
source-separate household
waste, Porvoo



Planning of "almost zero
energy" kindergarten,
Vantaa



Investments in energy
efficiency (ESCO), Vantaa

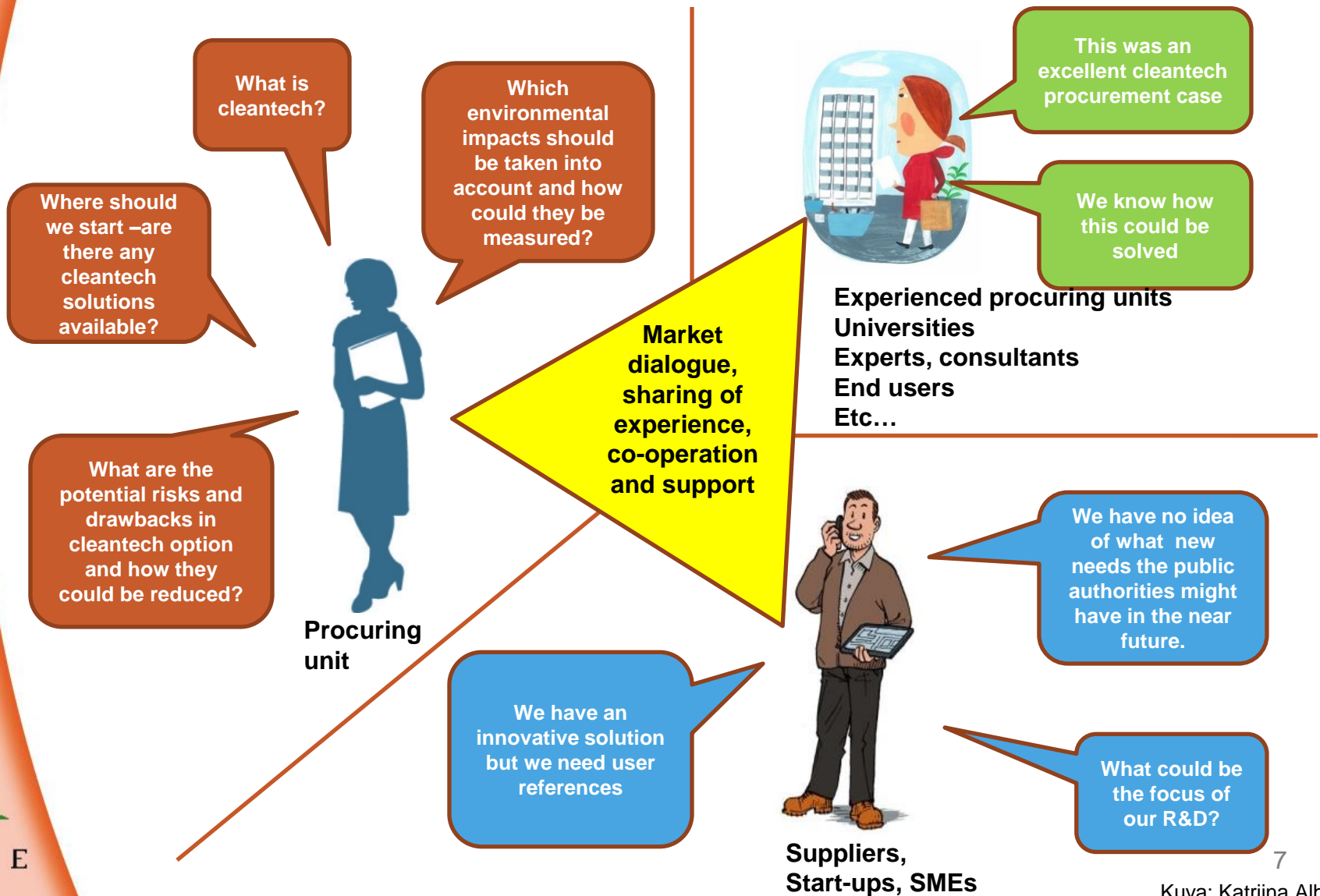
Cleantech – not only the technology but also the procurement process

How to put **CLEANTECH** –procurement into practice?

- Consider LCA based environmental impacts as part of the procurement already in the planning phase of the process
- Use LCC and environmental calculators/ tools to measure life-cycle-costs and energy and material efficiency and other environmental impacts
- Examine novel solutions that exist or could be created in the market instead of procuring traditional solutions
- Benefit from networks and best practices in the field of cleantech (in Finland for example, Motiva's helpdesk)



Successful cleantech investment needs dialogue between different stakeholders



Internet based Decision support system for innovative public cleantech procurement "Cleantech procurement folder"

OBJECTIVES:

- Exchange of knowledge between purchasers, suppliers, industry experts and other stakeholders
 - Realised procurement cases
 - Intended procurement needs
- Information on best practices and their success factors, and experiences on innovative procurement process
- Making environmental and economic benefits of cleantech procurement visible
- Possibilities for joint procurement (for example the Carbon Neutral Municipalities HINKU)
- Possibilities for new technological solutions and innovative financing options
- Tool for follow-up (cleantech targets)



Implementation of "Cleantech procurement folder"

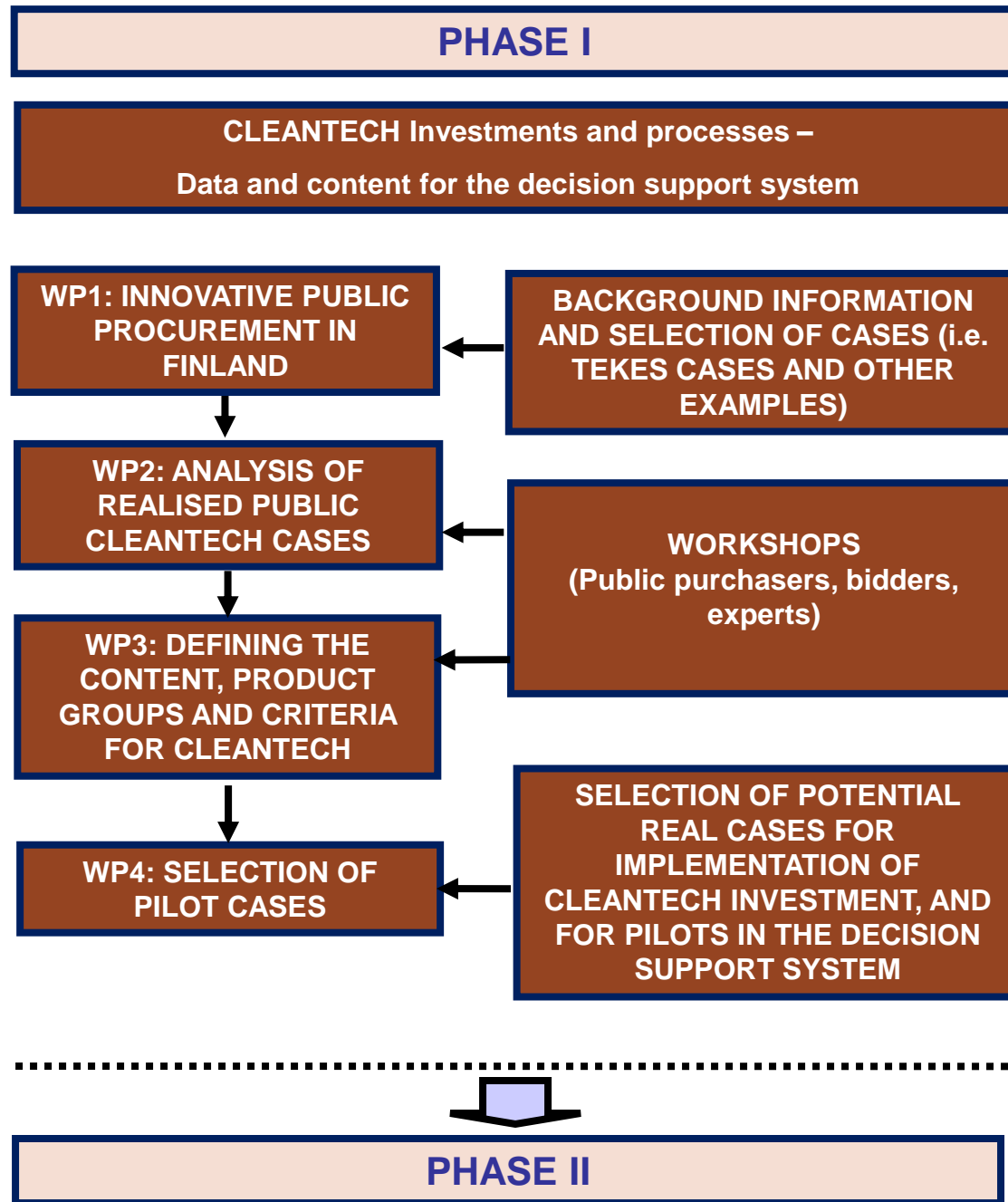
In two phases

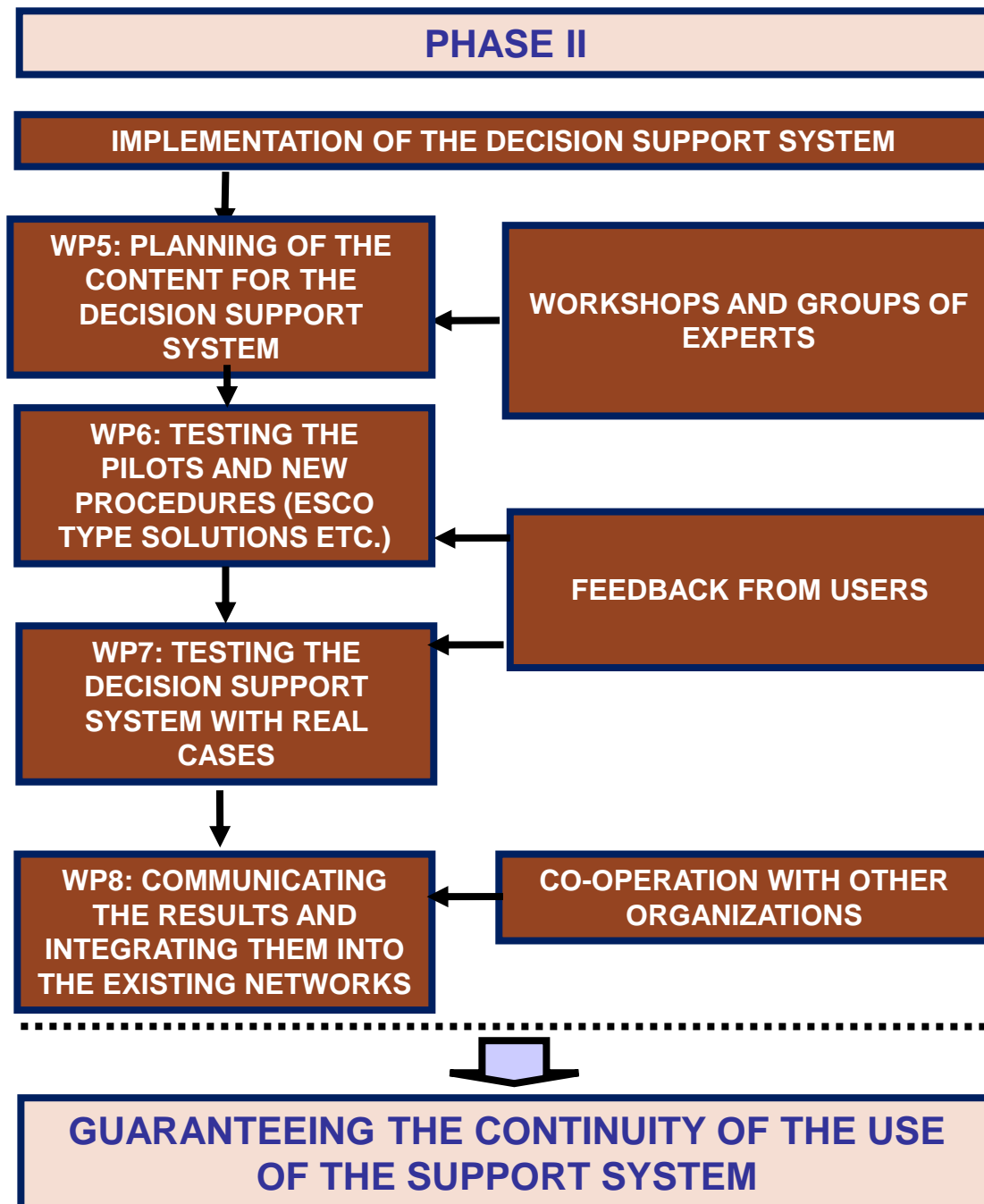
1. Gathering data for the support system

- Analysis of the realised cleantech investments in Finland (mostly funded by Tekes Innovation Financing Instrument)
- Other background information
- Defining 'cleantech' in different product groups

2. Developing and testing the support system in practice

- Pilot cases, action research approach
- Communicating the system among potential users and other stakeholders







Käyttäjätunnus:
Salasana:

Kirjaudu sisään

[[Rekisteröidy](#)] [[Unohtuiko salasana?](#)]

[Etusivu](#) [Hankinnat](#) [Kumppanit](#) [Palvelukuvaus](#)

TERVETULOA HANKINTAMAPPIIN!

Hankintamappi on cleantech-hankintojen tietokanta, jota julkaistaan käyttäjien yhteistyöllä. Palvelussa voit tutustua toteutettuihin hankkeisiin, joilla hillitään ilmastonmuutosta. Voit myös kertoa, miten itse olet onnistunut vähentämään kasviuonekaasupäästöjä. Palvelu on avoin kaikille. Hankintamappin lyhytosoite on www.ymparisto.fi/hankintamappi

VAPAA HAKU:

SUUNNITTEILLA OLEVAT CLEANTECH-HANKINNAT

Hankinnan vaihe	Hankinnan kohde	Hankkija	Cleantech osa-alue
Hanke toteutunut	Turun katuvalaistus	Turun kaupunki, kiinteistöliikelaitos	Energia, valaistus
Kilpailutus päättynyt, hanke toteutettu	Porin uimahalli	Porin kaupunki, rakennusvirasto	Uudisrakentaminen
Kilpailutus päättynyt	Synergiaitalo	Suomen ympäristökeskus	Uudisrakentaminen



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[Sähköauto Helsinkiin](#)
[Maalämpöä Ikaalisiin](#)
[LED valot Esplanadille](#)

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Tampereen kaupunki



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