

SILVER PCP

**Supporting Independent Living for the Elderly
through Robotics**

Andy Bleaden

Luxembourg Horizon 2020 ICT call 1



Contents

.Introduction to SILVER

.Our process

.Needs assessment

.Market consultation

.Assessment



We are getting older, who will care for us?

- .We are getting older, need for care increases
- .Less people to work in care
- .Less informal care givers
- .Costs for healthcare are increasing every year



SILVER Challenge: make elderly more self-reliant + less care from care givers

- .Care for 10% more elderly with the same amount of staff in 2020
- .Need for new robotics solutions that can take over all or part of the work of care givers
- .These robotic solutions should target assisting elderly and those caring for them with personal activities of daily living
 - .Personal hygiene and grooming
 - .Eating and drinking
 - .Functional transfers, etc.



SILVER Consortium

Innovation Organisations

- .Technology Strategy Board (Coordinator) – United Kingdom
- .Aalto University – Finland
- .Brainport development NL – the Netherlands
- .Forum Virium Helsinki – Finland
- .Ministry of Health represented by NL Agency – the Netherlands
- .Region of Southern Denmark
- .VINNOVA - Sweden

Procuring authorities

- .City of Eindhoven – the Netherlands
- .City of Odense – Denmark
- .City of Oulu – Finland
- .City of Stockport – United Kingdom
- .City of Vantaa – Finland
- .City of Västerås – Sweden

SILVER project objectives

1. To establish and execute an agreed PCP process to run a cross-border PCP call for tender
 - ▶ Forms a basis for pan-European PCP calls designed outside the SILVER project
2. To use the PCP process developed in the project to identify new technologies and services to support independent living of the elderly
 - ▶ By 2020 new solutions are expected to make it possible to care for 10% more care recipients with the same amount of care givers

SILVER has developed a set of documents for a cross-border PCP call for tender

.General process document

.Call documents:

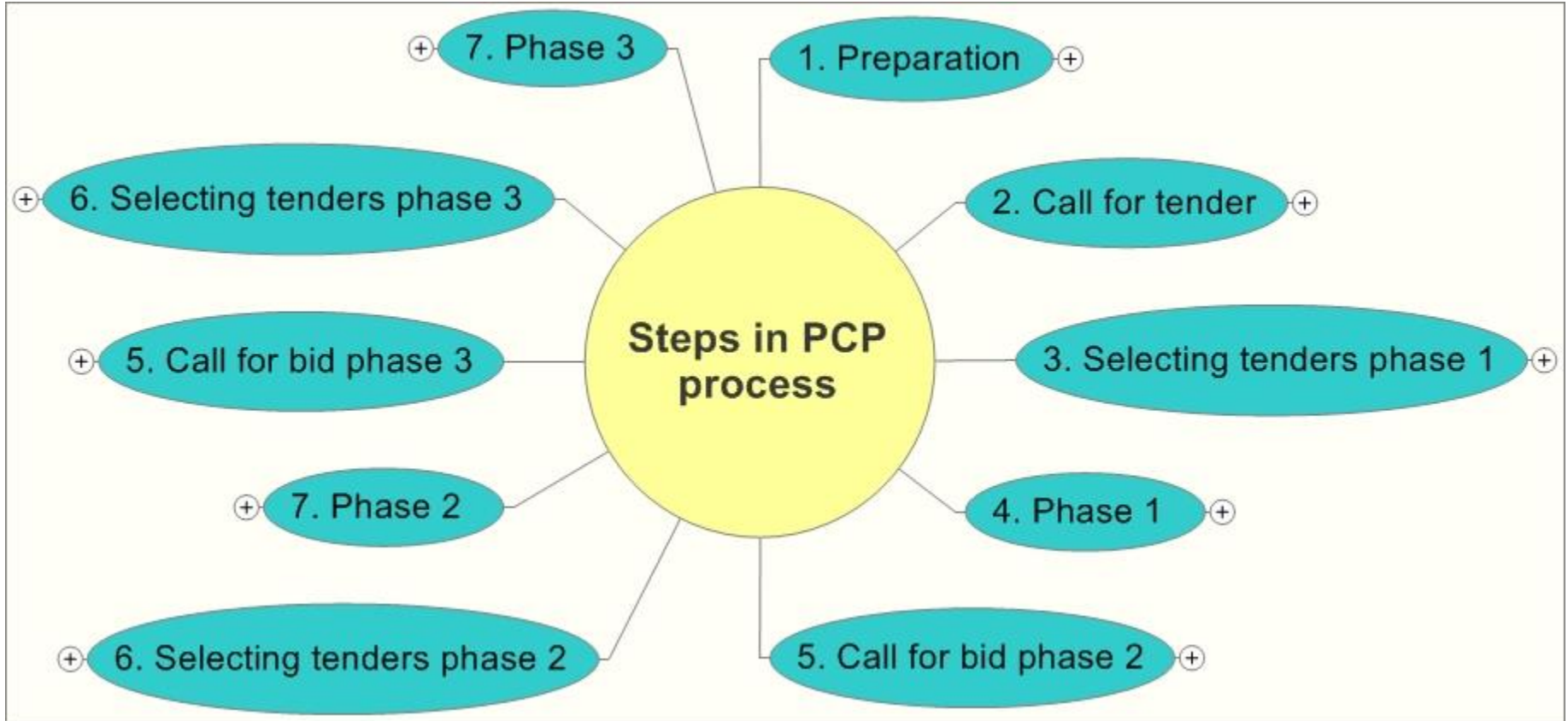
1. Invitation to Tender
2. Challenge Brief - PCP call for tenders
3. Guidance
4. Tender Form
5. Questions and Answers
6. Framework agreement
7. End of phase report

.Supporting documents:

- .Invitation to information meeting
- .Guidance for assessors
- .Scoring sheet
- .Decision notice

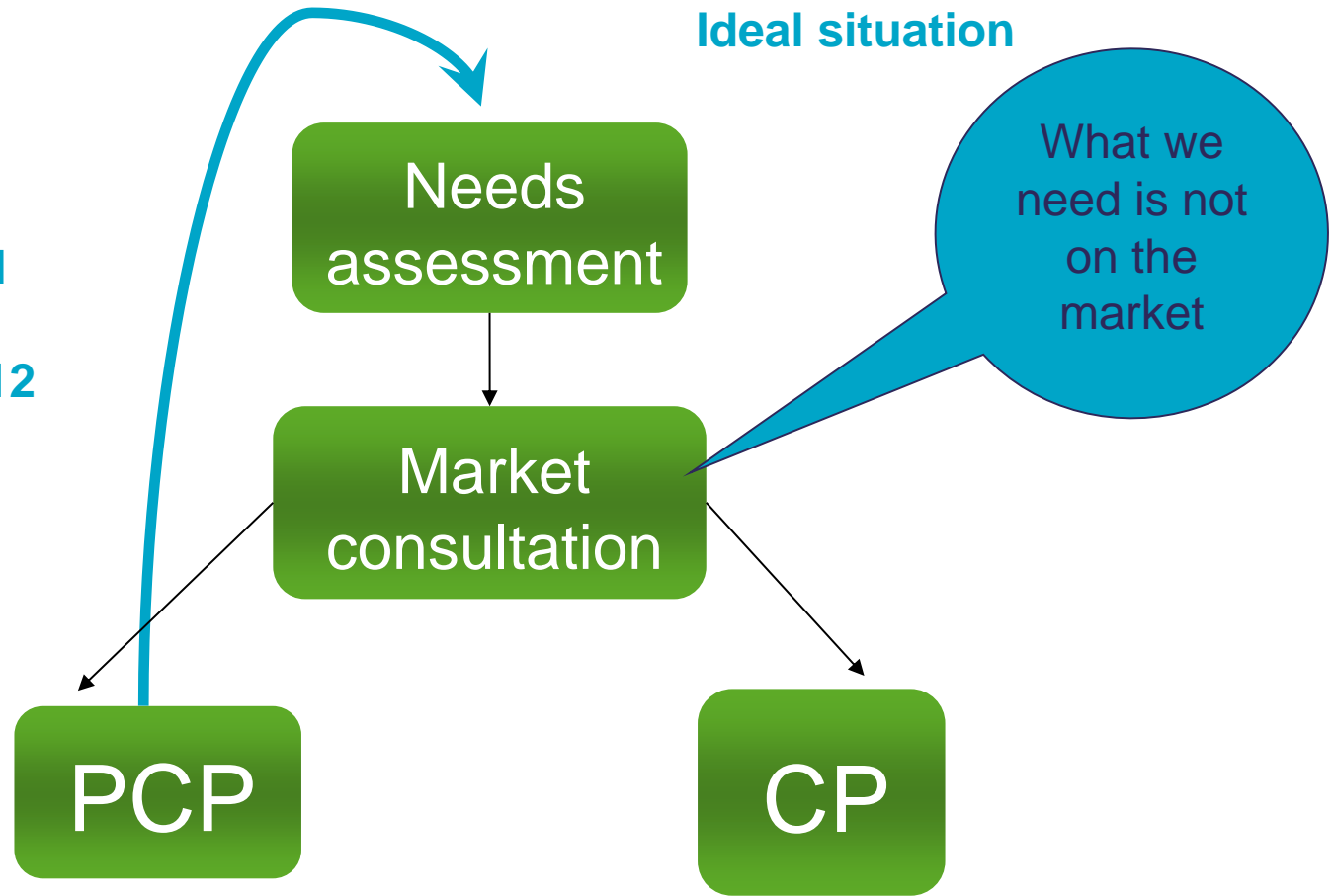
➤ Please use our template





Why did we choose a PCP?

Application 2011
EU grant
Start project 2012



Consultation with key stakeholders

- .Refresh understanding
 - .procurement needs
 - .stakeholder opinions
 - .state of industry
- .Participant public procurers and additional public procurers
- .Other stakeholders
 - .care service providers
 - .insurance companies
 - .relevant industry partners





Needs assessment

Think upfront about a **template** and how you are going to **collect** what kind of **information** for the needs assessment and how you are going to **report** about it

Market consultation

- .Consulted experts
- .Visited fairs
- .Talked to entrepreneurs
- .Read reports
- .On-line market consultation
- .Informal discussion session at AAL Conference

Market consultation – outcomes

Most important question received

- .How will testing phase 3 be done, in parallel or serial? This will affect:
 - .Budget – 5 prototypes is very expensive for robotics
 - .Time – if testing in phase 3 is done in serial, it takes more time

Can a patent search contribute to market consultation for a PCP?- No:

- .A lot of hits from patent database are irrelevant for SILVER challenge
- .Very time consuming with no results





Market consultation

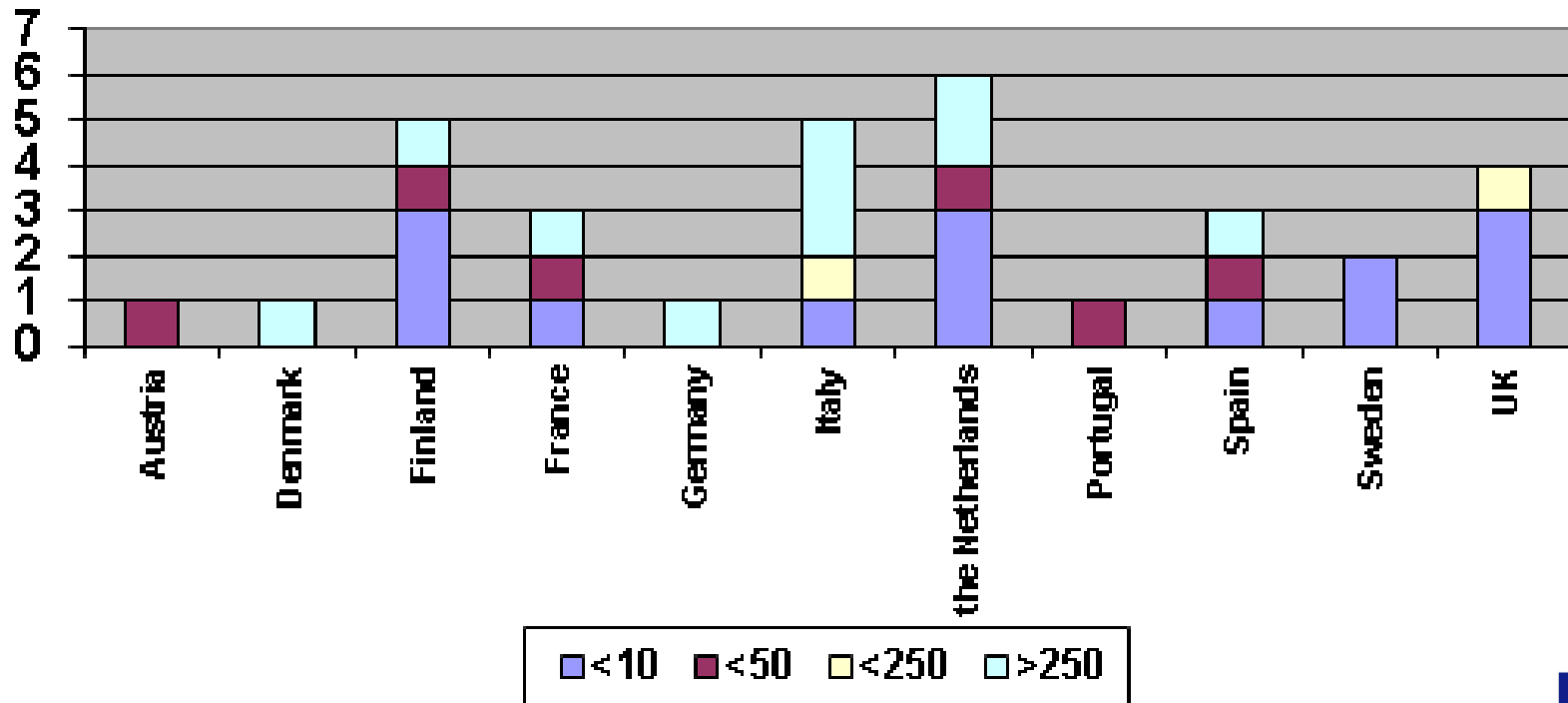
A market consultation will help you make a better PCP and helps you write your challenge and invitation to tender. So start in time!

Time schedule for SILVER Phase 1

Date	Activity
1st March 2013	Tendering period open
March - April 2013	Information meetings
5th June 2013	Deadline for registration
12th June 2013 at 12.00 UK or 13.00 CET	Deadline for tender
13th June – 10th July 2013	Assessment by experts and decision panel
26th July 2013	Tenderers notified of decision Phase 1
23rd August 2013	Framework agreement sent

32 tenders from 11 countries: 7 awarded

Number of applications:
Company size and country



7 winning SILVER proposals

HelpingHand: support users during toilet visits

Mealtime 360: New type of eating assistive device to embrace a more complete process surrounding the mealtime situation

Iron Arm: A light and ergonomic soft robotics device with idetection sensors and mechatronic actuators that can support personal activities of daily life for elderly users and collect data on their physical activities, allowing them to maintain muscle strength

LEGOROB: a very affordable robot with limited complexity but able to perform various household tasks

Wearable Bionic Exoskeletons for Safe Ambulation
designed for elderly



Transnational procurement

Advantages

- .Learning from colleagues
- .Larger budget
- .More efficient use of public money
- .EC funding possibilities

Challenges

- .Language differences take time
- .Getting on the same level of understanding needs and process
- .Difficulties in comparing: e.g. comparing costs was not possible
- .Travelling takes time (new ways of communicating via internet help a lot)





Andy Bleaden
Stockport Council
+44 7946481674
andy.bleaden@stockport.gov.uk
www.silverpcp.eu

