

EII SMART CITIES

Member States Initiative

Expert Meeting

17 February 2012

Austrian Institute of Technology, Vienna

**Hans-Günther Schwarz, Austrian Ministry of Transport,
Innovation and Technology**

Agenda

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- 09:30 Registration and coffee
 - **10:00** Welcome and aim of the workshop (Hans-Günther Schwarz, BMVIT)
 - 10:15 Update on Smart Cities programme screening (Catrin Haider, BMVIT)
 - 10:25 Smart Cities Technology Vision 2050 (Brigitte Bach, AIT)
 - 10:40 Introduction to Smart Cities project screening (Jessen Page, AIT)
 - **11:00** *Coffee break*
 - 11:20 Break-out session 1 (4 working groups)
 - **12:30** *Lunch break*
 - 13:15 Intermediate summary (5min each group)
 - 13:35 Break-out session 2 (4 working groups)
 - **15:00** *Coffee break*
 - 15:10 Summary of break-out sessions (10min each group)
 - 15:50 Next steps (Hans-Günther Schwarz, BMVIT)
 - **16:00** End of workshop

The Smart Cities EII Storyline

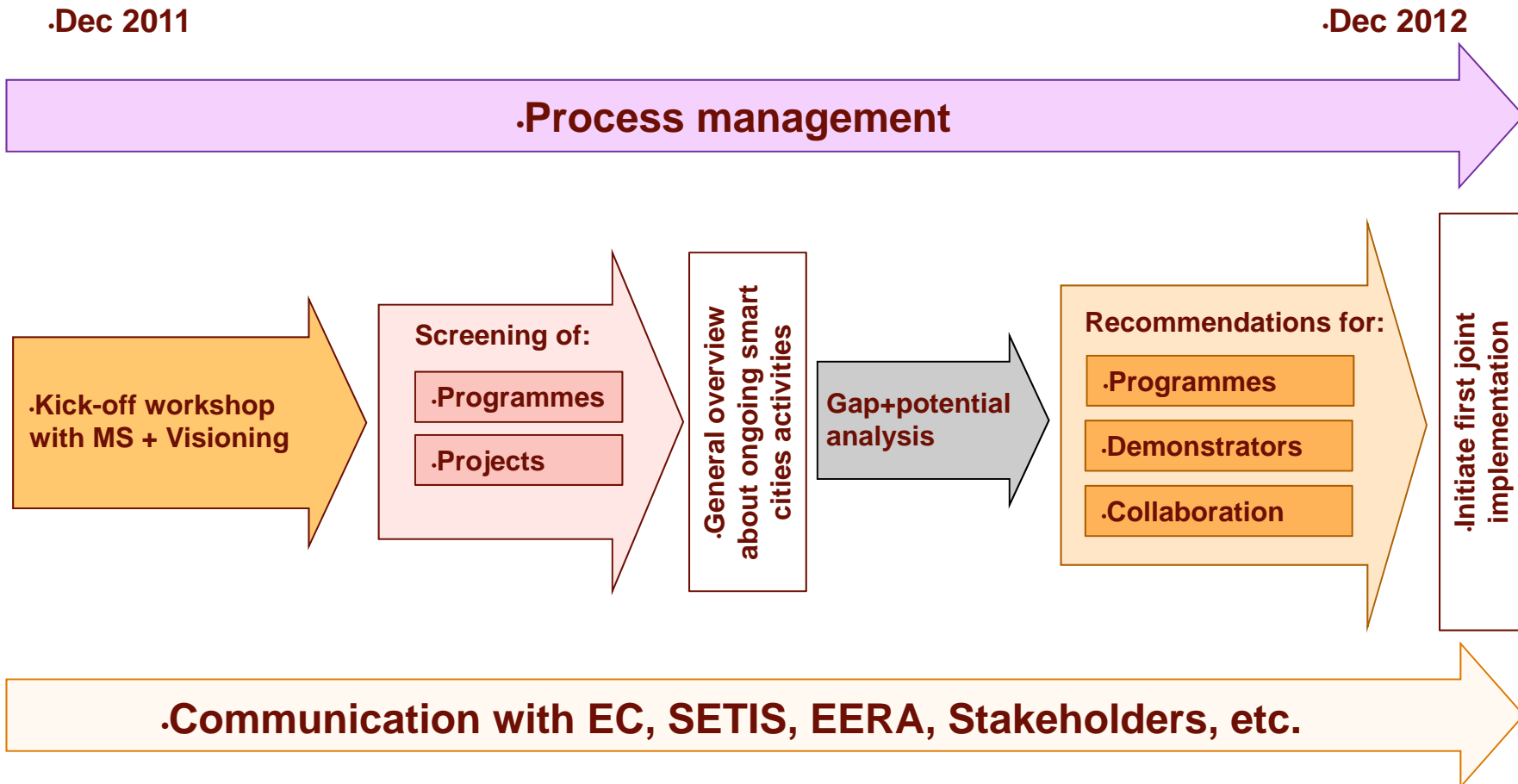


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- December 2007 Launch of the SET-Plan
 - Until early 2011 Launch of 6 out of 7 EIIs of the SET-Plan
 - 24 Feb. 2011 First meeting of EII actors (AT, BE, NL)
 - 24 May 2011 First meeting of Smart Cities delegates
 - Common picture, exchange of views, common position
 - 28 Nov. 2011 SET-Plan conference, Warsaw
 - Launch of EERA joint programme on Smart Cities
 - Launch of the Smart Cities Stakeholder Platform process (by the EC)
 - 2 Dec. 2011 Launch of the Smart Cities MS initiative (programmes)
 - 17 Feb. 2012 1st Expert Workshop, Vienna (project screening)
 - 1 March 2012 Meeting of the Smart Cities delegates to discuss results and next steps

Objectives of the Expert Meeting on 17 February 2012

- To begin creating a common vision for SMART CITIES and related national and European activities
- To create the basis for and kick off a screening of national SMART CITIES best practice projects
- To continue creating a unified process of contributions to the Smart Cities EII from the part of the participating countries

Process design on a meta-level



Representation of Participating Countries in the Process



Each Member State shall be invited to contribute to process through:

- 1 MS-representative (MS-RP)
- 1 national expert with good overview about Smart Cities and national research landscape (MS-NE)
- different national experts according to specific Smart Cities topics
 - Urban energy planning
 - Urban energy networks (thermal + electric)
 - Energy-efficient interactive buildings
 - Urban supply technologies
 - Mobility ?
- recommendation: not more than 4 experts (MS-NE is one of the 4 Smart Cities Experts)

Detailed Process design



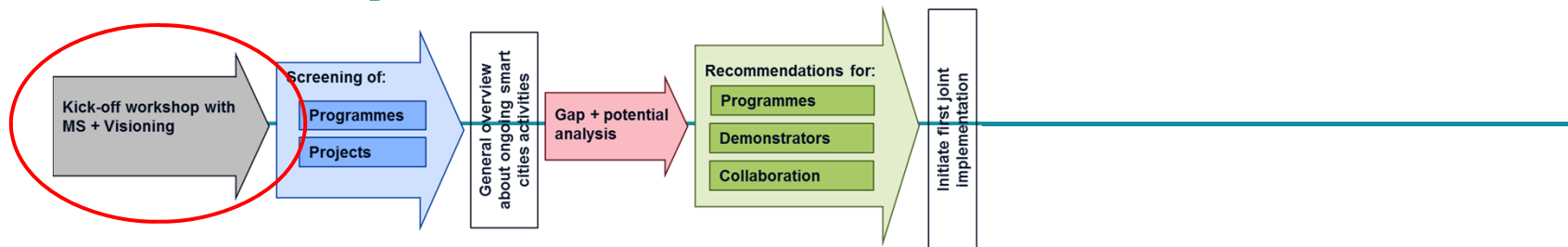
Acronyms: MS-RP = Member States' Representatives, MS-NE = Member States' National Experts

Next Steps after 17 February



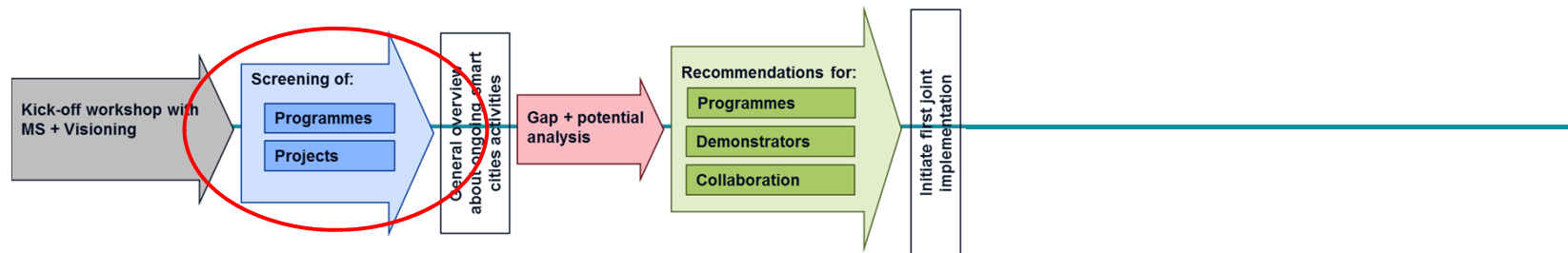
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- 24 Feb 2012:
 - Summary minutes of today's meeting (including summaries from breakout groups)
 - Draft methodology including today's input
 - Draft questionnaire on projects and project bundles
 - 2 March 2012:
 - Feedback from national experts on methodology and questionnaire
 - 9 March:
 - Final methodology and questionnaire
 - 27 April 2012:
 - Deadline for return of filled project questionnaires
 - 25 May 2012:
 - Meeting of delegates and experts to discuss preliminary results
 - ... of programme screening
 - ... of project screening
 - 5 – 6 June 2012:
 - Participation in Smart Cities Stakeholder Platform Conference (hosted by EC)

Workshop I – Kick-off



- 2.12. 2011, Premises of Permanent Representation of Austria to the EU (Brussels)
- Participants: MS-RP + 1 national expert (MS-NE)
- Workshop outline:
 - Aims and objectives of MS initiative
 - Current status Smart Cities EII concept
 - Smart Cities vision and concept
 - Preliminary screening of national Smart Cities activities
 - Process design on different levels
 - Meta-level (strategy, positioning, etc..)
 - Detail (workshops, templates/questionnaires to be sent out, etc.)
 - Open discussion on process, expected results, MS contributions, etc.
 - 4 thematic groups according to Smart Cities Topics
 - Discuss nomination of 4 national experts
 - Preliminary definition of thematic coordinators + responsibilities

Detailed screening of Smart Cities activities



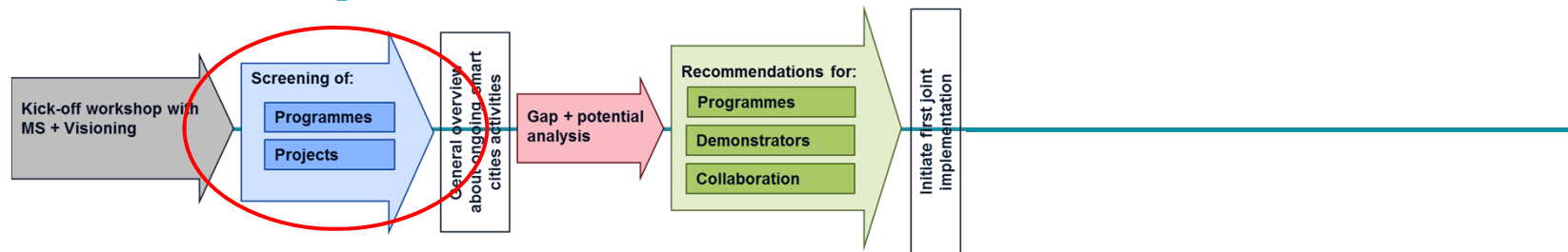
Carried out on two levels:

- Programmes (to be started after workshop I)
- Projects/technology (to be started after workshop II)

What we want to know → templates, questionnaires to be sent out

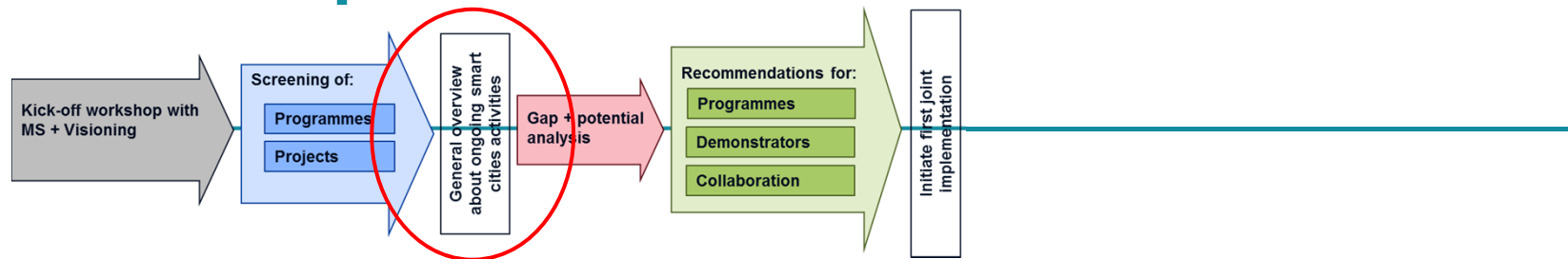
- Which funding programmes are available in MS
- What kind of “urban energy projects” are currently ongoing in EU/MS
- Screen “urban energy light-house projects” in EU
- What kind of stakeholders are involved
- What is the thematic focus of the programmes/projects?
- Which technologies have been implemented
- Critical success factors of ongoing projects
- What type of KPI’s are being used for evaluation
- Identify barriers during projects
- What kind of financing schemes are being adopted?

Workshop II



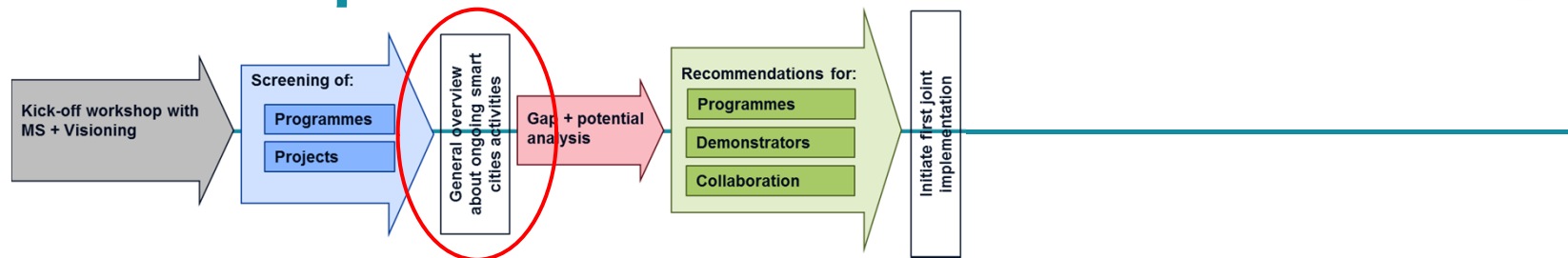
- 17 February 2012, @ AIT Vienna
- Participants: All national Smart Cities experts + MS-RP (if wished)
- All national experts are to be nominated beforehand
- Workshop outline:
 - Short introduction to MS-Initiative
 - Focus on thematic level (4 key areas of smart cities)
 - Discussion on
 - Create common technology vision for Smart Cities
 - What are real “light-house projects” from a technology point of view?
 - Define common selection criteria for “European projects” (technology level)
 - Technological impact of projects
 - Identify thematic/technology gaps
 - Thematic coordinators are responsible for leading the discussion
 - Discuss templates/questionnaires to be sent out

Workshop III



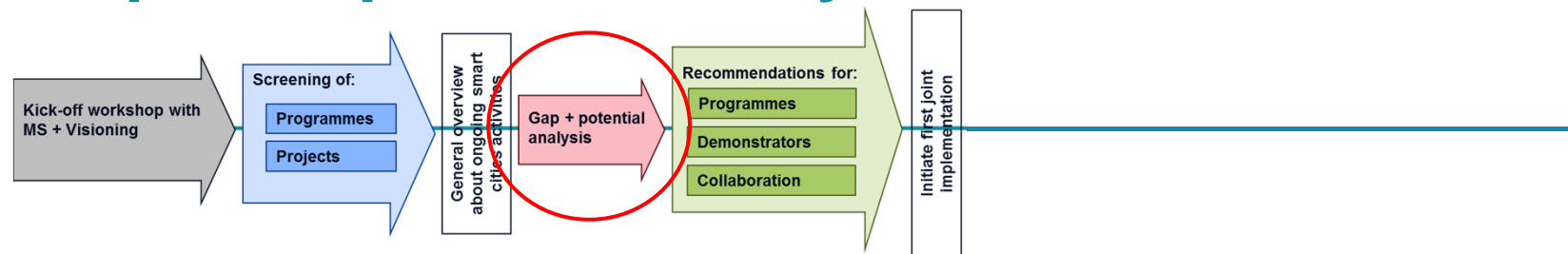
- 1 March 2012, Brussels
- Participants: MS-RP
- Workshop outline:
 - Presentation of first results from programme screening
 - Reporting Workshop II (Expert workshop)
 - First round of process feedback → are we on the right track?
 - Invite external stakeholders

Workshop IV



- 25 May 2012, @ AIT Vienna
- Participants: MS-RP and all national Smart Cities Experts (= entire group)
- Programme and project screening should be finished → analysis of all material sent
- Workshop outline:
 - Presentation of results from project questionnaires/templates
 - Demonstrators
 - Technological topics covered
 - Project financing
 - Stakeholders involved
 - Common agreement and reporting
 - Initiate gap analysis → see next slide

Gap- and potential analysis



To be carried out on two levels:

- 1. Programmes, 2. projects + technologies

Analysis should cover:

- How can we achieve our common vision?
 - Vision vs. “state-of-the-art”
 - What is still missing towards the full spectrum of the Smart Cities concept?
 - Which topics are not covered yet in ongoing projects?
- What kind of projects are needed (research/demonstration)?
 - What type of light-house projects do we need? What do we expect from them?
 - National level
 - EU level
- Technology progress
 - Which technologies have to be developed further?
 - What type of expertise/competence is still needed?
- How can we overcome financial barriers?
- What type of funding programmes and financial models would be needed (PPP)?

Congress of SC Stakeholder Platform



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- Scheduled for 5 – 6 June 2012 in Brussels
 - Hosted by the European Commission's Stakeholder Platform
 - Aim of the Smart Cities MS Initiative:
 - To present the interim results of the current screening process
 - To come forward with a proposal for thematic priorities for the EII Smart Cities
 - To share the process of the Smart Cities MS Initiative and expected results for 2012
 - To invite the stakeholders for a Smart Cities conference at the end of 2012

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