

2018 EU Sustainable Energy Week Europe's Urban Energy-Mobility Transition

SIMPLA: harmonizing urban energy and mobility planning

An integrated approach for enhanced effectiveness and efficiency
Planning energy and mobility together: it's SIMPLA!



AREA SCIENCE PARK

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AREA SCIENCE PARK: KEY FACTS

Public national research institution, supervised by **MIUR**. A leading science and technology park established in 1978.



Hosts **82 R&D High-Tech Centres**
74 private companies
8 public research bodies

Develops innovative start-ups through its **incubator Innovation Factory**

Turnover: 17M€/year
4 M€/year innovative projects on competitive funds only

130 staff in AREA
2.600 staff in tenant centres

2 campuses
for R&D activities

Sectors of our tenant organizations:

- life sciences
- energy
- environment
- new materials
- digital technologies

We deal directly with

- innovation management in several industrial sectors;
- enterprise creation through our certified incubator;
- policy development, capacity building for innovation actions;
- valorization and management of technological platforms.



What we are going to talk about today

- The SIMPLA concept: background and leading principles
- The SIMPLA solution: workplan and main outputs
- The SIMPLA process: where we are, examples of beneficiary cities and next steps

SIMPLA: where does the idea come from?

The genesis of the concept

Parent projects: PATRES, BUMP

Flaws of monosectoral (SEAP, SECAP, SUMP, etc.) planning and need for integration, harmonization and focussing of efforts

(technical, human, financial resources)

Strong request for strategic planning and for effective and structured use of funding in EU policies for the coming decades

EU scenarios for the coming decades: trends

- **Population growth**: peaking around 2050, with 526 million persons (+ 18.7 million or 3.7 % compared to 2014)
- **Growing urbanization**: 80% of the EU population living in urban areas by 2050
- **Ageing population**: 12.3 million people aged 80 years or over in EU-28 by 2080; two persons of working-age for each elderly person by 2080

(Source: EUROSTAT)

EU scenarios for the coming decades: goals

- **GHG emissions reduction:** - 40% by 2030, - 60% by 2040, - 80% by 2050 compared to 1990 levels;
- **RES and EE:** at least 27% energy from RES and 27% energy savings compared to a business-as-usual scenario by 2030;
- **Dramatic reduction in dependence on imported oil:**, 60% reduction of carbon emissions in transport, no more conventionally fueled cars in cities by 2050;
- **Increased resilience to climate change;**
- **More efficient, effective and sustainable urban mobility and transport systems.**

(Sources: White Paper on Transport 'Roadmap to a Single European Transport Area'; Urban Mobility Package; 2030 Framework; 2050 Energy Roadmap)

How do you match all this?

Planning can be part of the solution

SIMPLA: Horizon 2020 CSA

Goal: enhancing capacity of public authorities to plan and implement sustainable energy and mobility policies by creating the conditions for a smart integration of SEAPs/SECAPs and SUMP (or similar plans)

How?

- developing a widely available, innovative capacity building methodology delivering concrete results
- working extensively with public authorities & fostering the involvement of stakeholders (network of NFPs)
- improving multi-level governance
- supporting further exploitation and replication of the actions
- aware of differences in the availability of skills and tradition in integrated planning in different countries

Integrating SEAPs and SUMPs: it's SIMPLA!

WP 1 MANAGEMENT

WP 2 – DEFINITION OF THE SIMPLA INTERNATIONAL INTERVENTION MODEL

WP 4 – CAPACITY BUILDING

WP 5 – COACHING



WP 3 – SIMPLA GUIDELINES AND ONLINE OBSERVATORY

WP 6 – MUTUAL LEARNING AND FOSTERING REPLICATION

WP 7 - COMMUNICATION AND DISSEMINATION

The main element from the guidelines

Phase 1 : Initiation

- Political commitment
- Creation of an intersectoral harmonization team

Phase 2: Planning

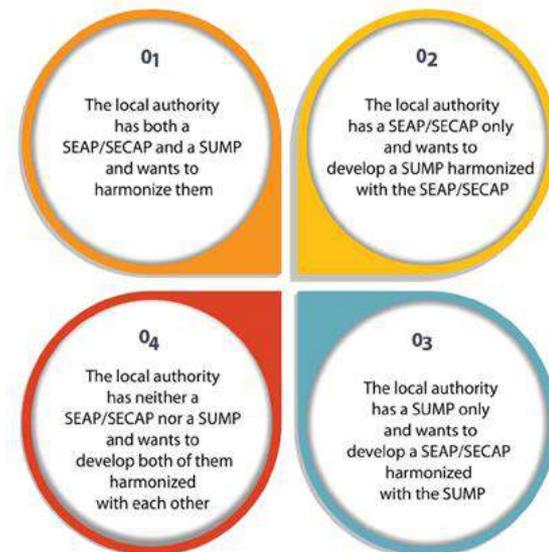
- Analysis of context conditions
- Involvement of stakeholders and partners
- A workplan for harmonization

Phase 3: Implementation

- Harmonizing the strategic vision
- Sharing data within the local authority
- Harmonizing reference years and monitoring schedules
- Harmonizing actions
- Approval of the plans

Phase 4: Monitoring and evaluation of the harmonization process

Final result: plans stay independent, but harmonized and over time



Examples of beneficiary cities: Italy



Municipality	N. of inhabitants	SEAP/SECAP	SUMP
Pordenone	51.156	YES (SEAP)	YES
Vicenza	112.408	YES (SEAP + SECAP under development)	(PUM 2012, being revised SUMP for functional area)
Alessandria	93.887	YES (SEAP)	YES
Pavia	72.636	YES (SEAP)	YES
Livorno	159.219	YES (SEAP + SECAP under development)	NO (under development)
Grosseto	82.269	YES (SEAP)	NO (under development)
Prato	192.009	YES (SEAP)	YES
Cesena	96.758	YES (SEAP + SECAP under development)	NO (under development)
Parma	192.992	YES (SEAP + SECAP under development)	YES
Ferrara	133.221	YES (SEAP + SECAP under development)	NO (under development)

Next steps:
completing international
webinars

SIMPLA WEBINARS
CALENDAR



DAY	TITLE	SPEAKER/S
11 Apr 2018 10:30 to 11:30 CEST	Harmonizing energy and mobility planning: the SIMPLA approach	Luca Mercatelli - Project Manager Area Science Park
17 Apr 2018 10:30 to 11:30 CEST	Accelerating European cities' energy transition through renewable energy and clean mobility. Demonstration, upscaling and planning of smart charging & vehicle-to-grid technologies	Hugo Niesing - Owner and founder Resourcefully - Consulting & management firm
08 May 2018 10:30 to 11:30 CEST	The electric vehicle revolution: the Norway case	Hans Jacob Mydske - Managing Director NEPAS - New Energy Performance AS
16 May 2018 10:30 to 11:30 CEST	Practical guide for the transition from SEAP to SECAP	Giorgia Rambelli - Coordinator of the unit 'International Urban Cooperation & Global Covenant of Mayors' European Covenant of Mayors Office
29 May 2018 10:30 to 11:30 CEST	Developing an action plan for sustainable mobility at a functional urban area level. Last-mile logistics with electric vehicles in the city of Vicenza (Italy) in the frame of the SOLEZ project	Manuela Massi - Project Manager Carlo Andriolo - Project Manager - Head of Mobility and Transport Unit Municipality of Vicenza
07 June 2018 15:00 to 16:20 CEST	Smart mobility solutions in Antwerp, Madrid and Berlin	Mariljke De Roeck - Head of Communication and Participation Unit - Urban Development Department City of Antwerp Sergio Fernández Balaguer - Coordinator of the Research Projects Department Empresa Municipal de Transportes de Madrid, S.A. (Madrid Public Transport Company) Thekla Heinel - Head of Department for International Projects B.&S.U. Beratungs- und Service-Gesellschaft Umwelt mbH (environment consultancy)

Next steps: selecting replicators

We are looking for replicators in countries not involved in the project!

12 organizations established in countries not involved in the partnership, interested in establishing new NFPs will be selected internationally through:

- a public procedure on the basis of specific characteristics, for example: having strong technical skills and competences and a vast knowledge of the territory they work in;
- being able to influence decision makers and have matured long-lasting relations with relevant public authorities;
- having a recognized record of previous collaboration with local authorities;
- having a significant experience in the creation of SUMP and SEAPs.

Selected organizations will be invited to the replication workshop and provided with all the necessary know-how and tools to replicate SIMPLA's actions back home



Thanks for your attention!

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