



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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SIMPLA project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 695955

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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

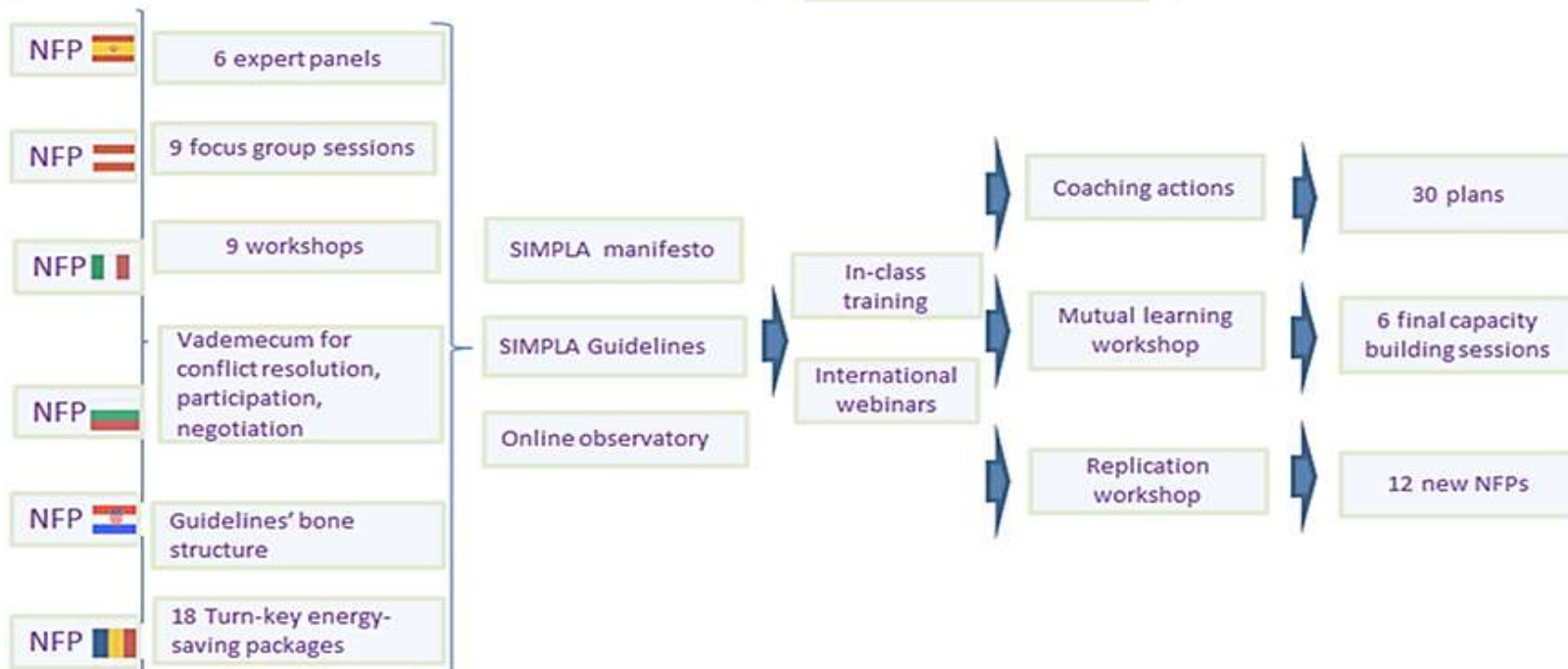
# Integrating SEAPs and SUMPs: it's SIMPLA!

## 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

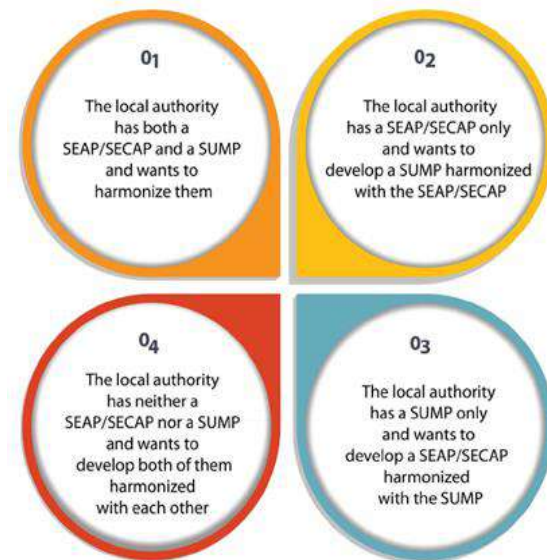
- Analysis of context conditions
- Involvement of stakeholders and partners
- A workplan for harmonization

## 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	<b>Harmonizing energy and mobility planning: the SIMPLA approach</b>	<b>Luca Mercatelli</b> - Project Manager Area Science Park
17 Apr 2018 10:30 to 11:30 CEST	<b>Accelerating European cities' energy transition through renewable energy and clean mobility. Demonstration, upscaling and planning of smart charging &amp; vehicle-to-grid technologies</b>	<b>Hugo Niesing</b> - Owner and founder Resourcefully - Consulting & management firm
08 May 2018 10:30 to 11:30 CEST	<b>The electric vehicle revolution: the Norway case</b>	<b>Hans Jacob Mydske</b> - Managing Director NEPAS - New Energy Performance AS
16 May 2018 10:30 to 11:30 CEST	<b>Practical guide for the transition from SEAP to SECAP</b>	<b>Giorgia Rambelli</b> - 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	<b>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</b>	<b>Manuela Massi</b> - Project Manager <b>Carlo Andriolo</b> - Project Manager - Head of Mobility and Transport Unit Municipality of Vicenza
07 June 2018 15:00 to 16:20 CEST	<b>Smart mobility solutions in Antwerp, Madrid and Berlin</b>	<b>Mariljke De Roeck</b> - Head of Communication and Participation Unit - Urban Development Department City of Antwerp <b>Sergio Fernández Balaguer</b> - Coordinator of the Research Projects Department Empresa Municipal de Transportes de Madrid, S.A. (Madrid Public Transport Company) <b>Thekla Heinel</b> - 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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