



GSSC
Green Small Smart Cities

Virtual working mission: **VIETNAM** 6th of October 2021

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by the COSME programme
of the European Union



Agenda

15:00-15:05	Welcome- Solartys
15:05-15:15	Presentation of SOLARTYS ecosystem
15:15-15:25	GREEN SMALL SMART CITIES - Project Presentation
15:25- 15:35	CATALONIA AS A SMART REGION – Xavier Vilalta, SMART CITY STRATEGY DIRECTOR AT ACCIÓ, AGENCY FOR BUSINESS COMPETITIVENESS
15:35- 16:10	CHILE: MARKET OPPORTUNITIES (FOCUSED ON THE ENERGY SECTOR) – Carlos Finat, EXECUTIVE DIRECTOR AT ACERA
16:10- 16:40	GOOD PRACTICES FOR SMES:
	INNOVATIVE SOLUTIONS APPLIED TO SMART CITIES - Carlos Sanchez, CHIEF TECHNOLOGY OFFICER AT WATTABIT
	ENERGY PLANNING AND MANAGEMENT TOOLS IN CITIES - Francisco Rodriguez, BUILDING TECHNOLOGIES PROJECT DIRECTOR AT TECNALIA
16:40-17:00	Debate Q&A

Green Small Smart Cities project (GSSC)

- ▶ **OBJECTIVE:** Spread the use of sustainable technological solutions from Europe to less developed regions in the world by supporting the internationalization strategy among European SMEs with cutting edge solutions, complementary technologies and a shared vision on making a better world
- ▶ **Main goals of GSSC**
 - ▶ Focus on improvement of less developed regions
 - ▶ Development of the concept: “Green & Small Smart City”
 - ▶ Help SMEs on their internationalization strategies
 - ▶ Facilitating cross-border and complementary cooperation among water, ICT, energy and nanotechnology sectors

Consortium members



- ▶ **Solartys** - *Asociación Española para la Internacionalización de las Empresas de la Energía Solar*
 - ▶ Coordinator
 - ▶ Solar energy
- ▶ **CWP** - *Asociación Catalana para la Innovación y la Internacionalización del Sector del Agua, Catalan Water Partnership*
 - ▶ Water
- ▶ **GreenTech** - *Clust-ER Energia e Sviluppo Sostenibile*
 - ▶ Green technologies
- ▶ **MCICT** - *Mazovia Cluster ICT*
 - ▶ Key technologies ICT
- ▶ **NP** - *Nanoprogress, z.s.*
 - ▶ Nanotechnology

Concept of Green & Small Smart City

- ▶ **Smart city key fields:**
 - ▶ Innovation, entrepreneurship and the generation of economic activity
 - ▶ Knowledge and talent
 - ▶ Digital society and economy
- ▶ **Green technology** (definition from the Malaysian Ministry of Energy, Green Technology and Water)
 - ▶ *“the development and application of products, equipment and systems used to conserve the natural environment and resources, which minimises and reduces the negative impact of human activities”*
- ▶ **Green and Smart city** => implementation of Green Technologies into Smart Cities

Why Small cities?

- ▶ More than **30%** of the world population lives in cities of less than 1 million inhabitants
- ▶ More than **44%** of the population lives in rural areas
- ▶ By 2030, the number of cities with more than 500.000 inhabitants is expected to increase **50%** in Africa and Asia
- ▶ Asia, Africa and LATAM will face a significant increase in number of inhabitants **migrating** from rural areas to new emerging cities
- ▶ *“Urbanization has dramatically changed energy consumption patterns, water and sanitation needs, food security and mobility of human beings. And with this change, there are unprecedented challenges arising from the inability of governments to cater to the demands of urban settlers. Nowhere is this gap more evident than in African cities where poverty results in informal settlement patterns, economic inequality, high youth unemployment and environmental degradation.”* Quote from *Smart Sustainable Cities: A Blueprint for Africa*

What are we doing?



Joint communication/marketing strategy



Catalogue of products and services



Market research. Pre-selection.

- SMEs surveys
- Benchmarking activities
- Exploratory missions



Virtual Working Missions



Internationalization strategy



Implementation roadmap

Benefits for SMEs participating in GSSC project

- ▶ To strengthen internationalization partnerships
- ▶ To explore new markets
- ▶ To build new relationships
- ▶ To support cooperation activities
- ▶ To improve international visibility on a global scale

Market selection- Latin America

	GDP growth (%)	GDP per capita	Pop growth %	Urban pop growth (%)	Imports of goods and services (% of GDP)	Ease of doing business score	Bribery incidence (%)	Corruption Perception Index	Poverty headcount ratio (%)	Democracy index	Global Peace Index	Interest of consortium members	TOTAL
<i>Indicator weight</i>	<i>Single</i>	<i>Double</i>	<i>Single</i>	<i>Double</i>	<i>Single</i>	<i>Double</i>	<i>Single</i>	<i>Single</i>	<i>Single</i>	<i>Single</i>	<i>Double</i>	<i>Triple</i>	
Argentina	1	5	2	2	1	2	4	3	2	4	4	3	2.9
Bolivia	4	2	2	3	3	2	4	2	2	3	3	2	2.6
Chile	3	5	2	2	3	4	5	5	5	5	4	4	3.9
Colombia	3	4	2	2	2	4	5	3	3	4	1	4	3.1
Cuba			1	1	2			4		2	3	5	1.8
Dominican Rep	4	4	2	3	3	2	3	2	3	4	4	3	3.1
Guatemala	3	2	2	3	3	3	4	2	1	3	3	2	2.6
Guyana	5	3	1	1		2	3	3		4	3	2	2.2
Honduras	3	2	2	3	5	2	4	1	1	3	3	2	2.5
Panama	4	5	2	3	5	3	4	2	3	4	4	4	3.7
Paraguay	3	3	2	2	3	2	1	2	3	4	4	2	2.6
Peru	3	3	2	2	2	3	2	3	3	4	3	4	2.9

Expected results

Establishment of a European Strategic Cluster Partnership (ESCP-4i) in the industries related to Green Technologies and ICT sectors applied to Small Cities.

Provide a better understanding of the most effective ways to improve cross-sectoral collaboration between clusters at a European level in order to develop and commercialize frontline innovations internationally

Selection of 3 countries with potential GSSC for the market analysis and validation

9 MoU signed between consortium and affiliated entities and other third partners

50 SMEs having directly or indirectly benefited from the supported actions

Virtual Working Missions

SAVE THE DATES

GREEN SMALL SMART CITIES

GSSC VIRTUAL WORKING MISSIONS

Five C2C virtual working missions around the concept of Smart Cities and its most challenging and opportunities pillars in 3 different countries: Chile, Cape Verde and Vietnam.

- 22.09.2021 SOLARTYS (Spain)
- 06.10.2021 MAZOVIA CLUSTER ICT (Poland)
- 21.10.2021 GREENTECH CLUST-ER (Italy)
- 04.11.2021 NANOPROGRESS (Czech Republic)
- 17.11.2021 CATALAN WATER PARTNERSHIP (Spain)



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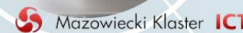
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Thank you for your attention!



SOLARTYS

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CATALONIA AS A SMART REGION

Xavier Vilalta, Smart City Strategy
Director at Acció, Agency for Business
Competitiveness



CHILE: market opportunities (focused on the energy sector)

Carlos Finat, Executive
Director at ACERA