

How to develop a sustainable ecosystem for mobility



Business models, funding and financing transport

2 JULY 2020 AT 10.00AM CET



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Ángela Rivada

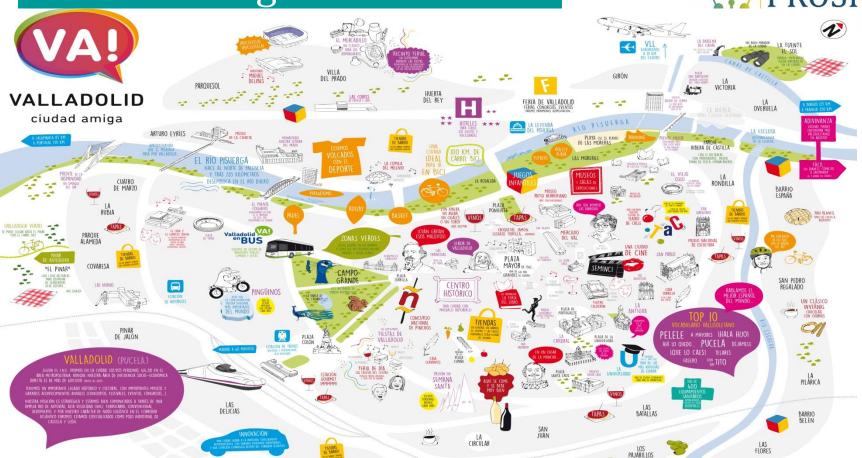
City of Valladolid





Introducing Valladolid





Introducing Valladolid















Valladolid City Council is a local government public entity responsible for the provision and management of a number of different public services.

It has a workforce of around 3.000 employees, a budget of almost 300 M€, being considered financially one of the soundest public entities in the country.

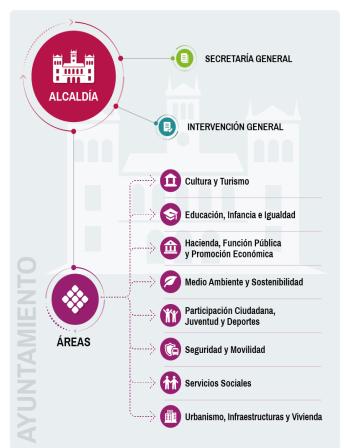
Organización administrativa















The Agency for Innovation and Economic Development

OBJECTIVES

- Economic promotion of the city
- Support for employment and entrepreneurship
- Innovation
- Catalyst for city strategies & plans & projects

PROJECTS

- CREA programme: grants, training, mentoring and coworking space
- Innovative programs for unemployed



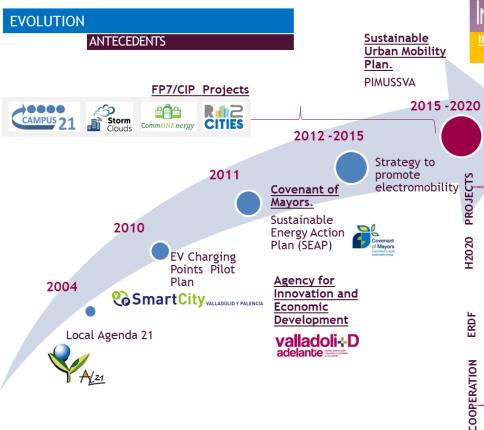




valladolid

City strategies & projects





INTEGRATED SUSTAINABLE URBAN DEVELOPMENT STRATEGY

REMOURBAN Lighthouse Project

H2020-SCC-2014-2015: Smart Cities and Communities

H2020- SCC-02-2016-2017-Demonstrating innovative nature-based solutions in cities

H2020-ICT-15-2016-2017Big Data PPP: Large Scale
Pilot actions in sectors best
benefitting from data-driven
innovation

inLife
Incubate a New Learning
and Inspiration
Framework for Education

S2CITY

H2020-ICT-24-Gaming and Gamification

ERDF - Smart growth 2014-2020 OP SEAP – SECAP

SUMP

Integrated Sustainable
Urban Development
Strategy

INNOLID 2020 +

Interreg 2014-2020
España- Portugal

PE4Trans Interreg Europe Low-carbon economy



Valladolid Smart City Evolution

1st generation

- Concrete projects
- Focused on urban planning, heritage rehabilitation and waste management
- Carried out by the city council

2nd generation

- More integrated projects
- Focused on mobility and energy efficiency
- Public and private partnerships

3rd generation

- Holistic approach
- Strategy for an integrated and sustainable urban development to deal with economic, environmental, climatic and social challenges
- Towards a resilient city to face risks and tensions
- Civil society deeply involved

Green Valladolid Action Plan

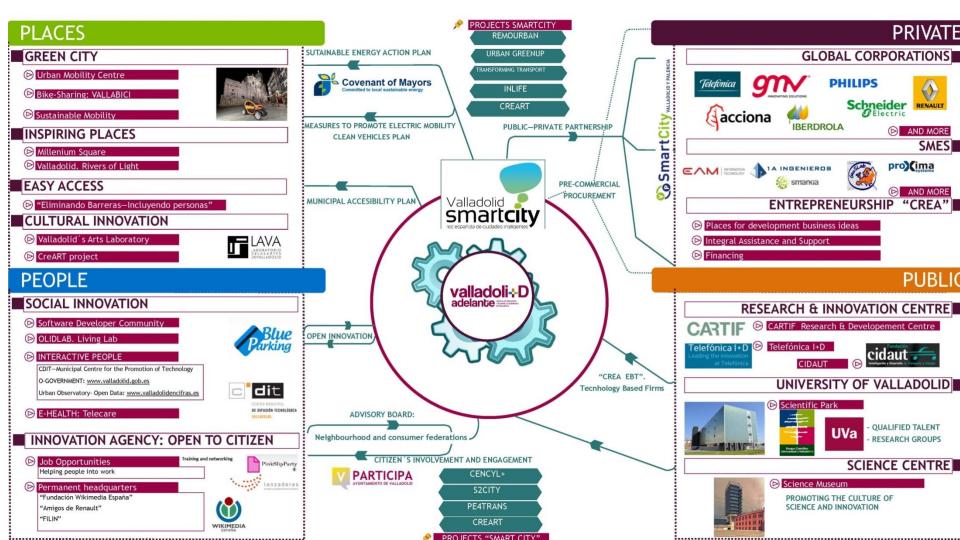




- Open up new spaces for pedestrians
- Enhance of the bicycle lines, new lines and a better connected network
- Improve infrastructure for public transport
- Avoid traffic through the city centre



- Intermodality
- Urban Planning
- Accesibility
- Security



Integrating capacities, sharing experiences, replicating initiatives











Hannover · Braunschweig · Göttingen · Wolfsburg

- Spanish Smart Cities Network RECI
- Innpulso Network
- Smart Cities CTN 178 (Normalization Technical Committee)
- MetropolRegion MHBGW European Network: Regions promoting **e**Mobility metropolregio
- CENCYL Network
- SmartCity VALLADOLID Y PALENCIA













Civitas Forum Network — Civinet Spain — Portugal on going



LAB: CITY
PLANNING
AND URBAN
DEVELOPMEN
T





FILE

& ECOLOGY





LAB: SUSTAINABLE MOBILITY



This lab will delve into the complexities and courses of action for sustainable mobility: solutions to control and improve the air quality, strategies to implement sustainable urban mobility plans, good practices in the operation of electric bus lines and e-mobility clusters, and the environmental challenges for urban goods transportation.

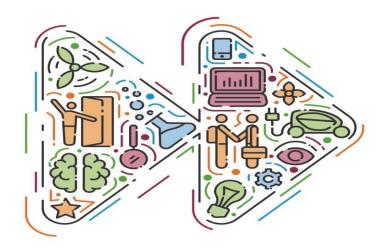


LAB: SUSTAINABLE MOBILITY

Lessons learnt



- Take advantage of your assets
- Start easy, start small... but ACT
- Have a roadmap and an integrated approach
- Involve people from the very beginning
- Do not forget communication
- Have a multidisciplinary team
- Work in network



Should know before

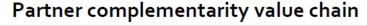


- Your pathway city strategy
- Identify your local innovation ecosystem
 - The value chain of your urban mobility project
- Leader stakeholders in your territory and beyond



The value chain of your urban mobility project





REMO URBAN

ENERGY

CONSTRUCTION

ICT

MOBILITY DEMONSTRATION

MARKET

LIGHTHOUSE CITIES

FOLLOWER CITIES

Municipalities

RESEARCH INSTITUTIONS & UNIVERSITIES

RTDs

ENERGY SUPPLIERS

CONSTRUCTION COMPANIES

ICT SUPPLIERS

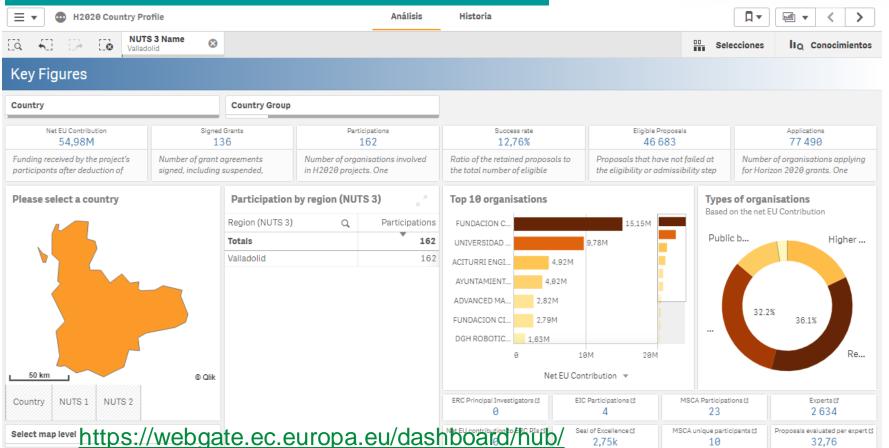
INDUSTRIES

CONSTRUCTION COMPANIES / ESCO DISSEMINATION EXPLOTATION & FINANTIAL EXPERTS

Industry

Leader stakeholders in your territory





Valladolid – some figures



Context

- Figures from the SUMP –Sustainable Urban Mobility plan- analysis:
 - The motorization rate is 437 vehicles per 1.000 inhabitants
 - Modal split: <u>52,9% on foot;</u> 30% by private-vehicle; 13,1% by public transport (bus), other means, bicycle (4%)
 - 30% of the trips are due to work purposes, and 18% leisure purposes
 - Almost 28% of citizens of Valladolid use private vehicle once per day at least
 - The demand of public transport is dropping from 2008, although it is worth noting a bit upturn between 2015-2019



Context - mobility

Traffic jams not a big problem but air pollution episodes are (PM, NOx, O₃)

→ 47 days in 2018 (113 according to WHO standards)

We have an action plan

(Prevention \rightarrow Warning \rightarrow Alert).





De las 50 ciudades más grandes de España, 42 superan los límites de contaminación ▲ Agencia Atlas ② Om 59s ♥ 0

I centro de Valladolid sin coches. En cada acceso los policías se encargaban esta mañana cortar el tráfico. Sólo puede pasar transporte público, residentes y cualquier cosa que o contamine. Un calor increible para esta época del año y el polyo africano que pasa por estro país hace que los niveles de contaminación se hayan disparado. Atentos. Es la







He decidido que veáis a través de este vídeo lo que estamos respirando estos días.



10:29 - 27 feb. 2019

O 131 17 000 M 154 M











He decidido que veáis a través de este vídeo



10:29 - 27 feb. 2019



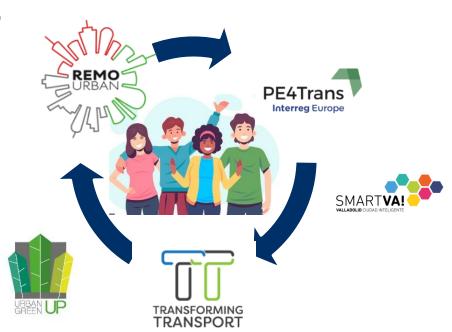




Holistic approach – Sustainable mobility



- RENATURING THE CITY
 - Make more ecofriendly (green canopies, green bike lanes, green façade)
- ELECTROMOBILITY
- GREEN INFRASTRUCTURE
 - Bike lanes
 - Pedestrian areas
- GOVERNANCE
 - PE4Trans Public Engagement for Sustainable Public Transport
 - Participatory budgeting
- ICT
 - Bigdata
 - Mobile services/MaaS/



Wrap up

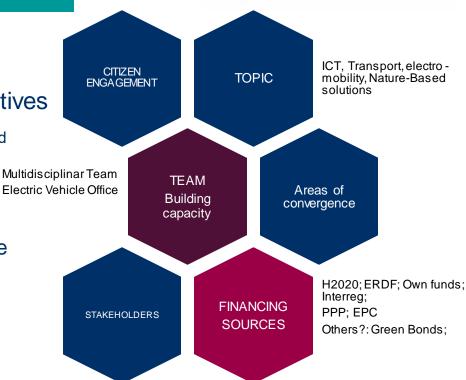


Holistic approach

- Multiple sources of financing
- ❖Sustainable mobility from different perspectives
- ❖Transversal Department "Agency of Innovation and Economic Development"
- ❖Smart City approach
- •Areas of convergence (investment, governance, solutions, pilot approach, citizen in the center of the making decision process)

Sharing experiences

- ❖Networks, Study visits, Mentoring, ...
- Multi stakeholder involvement
 - Academia, research centres, SMEs, large companies, citizen associations



Financing schemes and Instruments



EU Instruments

Programmes for direct funding

COSME

HORIZON 2020

<u>LIFE</u>

INTERREG V

Connecting Europe

Facility program

(CEF)

<u>UIA</u>

Structural funds

European social

fund (ESF)

European Regional

Development fund

(ERDF)

Cohesion fund (CF)

EIB instruments

ELENA

JESSICA

JEREMIE

JASMINE

JASPERS

MARGUERITE

Financial Institutions Instruments

EFSI

EIB Mun Fram

Loans

DEEP GREEN

EEEF

ITI

UDF

Financing Schemes and Instruments

Green Bond

Energy

Performance

Contracting (EPC)

PPP

Crowd-funding

Soft

loans,

guarantees

Revolving Loan fund

On Bill Financing

Funding for cities - EU



English 📮	Engl	ish	ĘN
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Home > EU regional and urban development > Topics > Cities and urban development > Funding for cities

Funding for cities

The EU and the Commission provide support through a wide range of funding programmes, covering funding opportunities as well as advice on how to access funding and put it to use.

Funding opportunities

https://ec.europa.eu/info/eu-regional-and-urban-development/funding-cities_e

PAGE CONTENTS

Funding opportunities

Funding, Tenders

European Structural and Investment Funds

Cohesion policy addresses diverse development needs in all EU regions and cities, with a budget of € 351.8 billion – almost a third of the total EU budget. The ESIFs include the <u>European Regional Development Fund (ERDF)</u> and <u>Cohesion Fund (CF)</u> for development and structural adjustements of regional economies, economic change, enhanced competitiveness as well as territorial cooperation, <u>European Social Fund (ESF)</u> for employment, social inclusion and education, <u>European Agricultural Fund for Rural Development (EAFRD)</u> for competitiveness of agriculture, sustainable management of natural resources and territorial development of rural communities, and <u>European Maritime</u> and <u>Fisheries Fund (EMFF)</u> for sustainable fishing and costal communities.

European Structural and Investment Funds

European Fund for Strategic Investments

The EFSI is one of the 3 pillars of the <u>Investment Plan for Europe</u> and aims to overcome current investment gaps in the EU by mobilising private financing for strategic investments. It consists of a €21 billion guarantee from the European Commission and the European Investment Bank.

European Fund for Strategic Investments

European Investment Project Portal

Thanks!







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