

URBAN CO-CREATION DATA LAB

Beneficiaries:



Co-financed by the Connecting Europe
Facility of the European Union

KICK-OFF MEETING

22 OCTOBER 2019

NOVA IMS CAMPUS CAMPOLIDE



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Kick-Off Meeting

Agenda

AM

09:00 - Welcome coffee

09:30 - Works Kick-Off

Partners presentation (institutional by the team leader and personal by all attendees)

Action presentation (objectives, deliverables and timetable) by NOVA IMS

11:00 - 11:30 Coffee Break

Partner's expertise presentation by team leaders (Background experience and added value to the project implementation)

13:00 Lunch break

PM

14:30h

Partner's expertise presentation by team leaders (continued)

Action web site presentation by NOVA IMS

16:00 - 16:30 Coffee Break

Analysis and approval of project implementation plan (tasks, deadlines, deliverables per partner)

18:00 - Close remarks



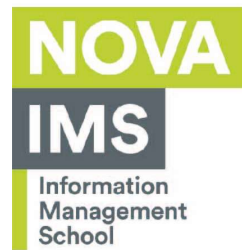
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1. Partners



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2. Action presentation

- 5 Challenges
- 6 Objectives
- 13 Deliverables
- Timetable



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5 Challenges

Area of intervention	Objective	Challenge
Mobility	To support new planning and management approaches altogether with new tools to evaluate impact and prediction of behaviours'	Evaluation and prediction of patterns and behaviors of micro mobility in the city of Lisbon
Waste management	To identify patterns to support the prediction of the production of urban waste associated with a variety of context information (e.g. events, climate situation, etc.)	Identification of patterns/profiles and solid waste production prediction in the city of Lisbon
Parking	To create new models either to predict or to generate viable alternatives for illegal parking in the city	Identification of patterns and prediction of parking in the city of Lisbon to improve surveillance efficiency
Pollution	To develop predictive models for the propagation of liquid and atmospheric pollutants	Elaboration of predictive models for the propagation of liquid and atmospheric pollutants in the city of Lisbon
Crowd management	To build impact prediction models based on the mobility/people flows in large events	Evaluation and elaboration of models for predicting the impact of major events on Lisbon city services



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6 Activities

Activity	Title	Objective
1	Data preparation and open data infrastructure assessment	To prepare data and open data infrastructure for Smart Management Platform
2	Services analytics refinement and HPC preparation	To deploy the identified services in the co-creation labs and to connect them with the HPC infrastructure and with, the applications and the city services to be provided to users and stakeholders
3	Co-Creation Labs: perform experiences and validation by cities	To validate the Co-Creation Labs proposed services in selected cities (Lisboa + 2) and adding new use cases
4	Communication of results	To maximise dissemination of the Action results to a wide audience of researchers, city authorities, business organizations, EC and citizens
5	Future sustainability	To ensure that Action results are exploited beyond the duration of the Action and will be sustainable in long-term
6	Project Management	To ensure the quality levels of the Action's results through the continuous monitoring of the Action activities and their proper execution, the coordination of the work plan, and the optimum coordination of the beneficiaries



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Activity 1

Data Preparation and open data infrastructure assessment

Starting date	Indicative ending date	Milestone (MS)	Means of verification
01/10/2019	31/12/2019	MS 2 - Data sets and requirements defined for all 3 cities	Data sets definition and requirements definition completed and available for all 3 cities
01/10/2019	30/03/2020	MS 4 - Service and Use Cases full definition for all 3 cities	Service and use cases full definition completed and available for all 3 cities



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Activity 1

Data Preparation and open data infrastructure assessment

Task	Output	Partners Role				
		NOVA IMS	CML & Cities	AMA	NEC	BSC
1.1 Data definition and requirements definition	Data sets defined and harmonized for the 5 services, with stakeholders and end-users' needs and requirements definition	Lead and orient data sets and requirements full definition	Define data sets and requirements		Define technical requirements	Define requirements regarding air pollution and social media
1.2 Services and Use Cases refinement	Service and Use Cases full definition	Lead and orient Service and Use Cases full definition	Participate in use Cases full definition			Work in Service and Use Cases refinement regarding air pollution and social media



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Activity 2

Services analytics refinement and HPC preparation

Starting date	Indicative ending date	Milestone (MS)	Means of verification
01/04/2020	30/09/2020	MS 6 - Data models including refined analytical models (descriptive, predictive and prescriptive models) that support the city's planning and management and 5 analytical services are deployed in HPC	Analytical models disclosed in public via Lisboa Aberta Portal
01/04/2020	30/11/2020	MS 7 - HPC resources have been used in order to process the data as required by the Action	Report of the supercomputing resources (systems/organisations providing the resources and computing hours) that have been used
01/04/2020	30/11/2020	MS 8 - Compliance with the Metadata Quality Assurance (MQA) tool for datasets	Relevant datasets (including metadata) resulting from the action published on a national portal or catalogue that is harvested by the European Data Portal, under which the MQA can be performed confirmation in the final report submitted to INEA



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Activity 2

Services analytics refinement and HPC preparation

Task	Output	Role				
		NOVA IMS	CML & Cities	NEC	AMA	BSC
2.1 Preparation: data models and analytical services	Data models and analytical services specifications	Lead task implementation, particularly taking advantage of the IA research work that has been developed internally and defines target quality measures for analytics	Work in all data models and analytical services			Work in data models and analytical services regarding air pollution and social media
2.2 HPC and services set-up and	Services set-up in HPC and Lisboa use cases ready to use	Predictive analytics set-up for all proposed services	Support services set-up in HPC			Provide experienced personnel on the IT aspects of HPC and contributing with some HPC resources of BSC



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Activity 3

Co-Creation Labs: perform experiences and validation by cities

Starting date	Indicative ending date	Milestone (MS)	Means of verification
01/10/2019	30/09/2020	MS 5 - Define methodologies to follow in all cities' co-creation labs	Report on Co-Creation Labs is available
01/10/2019	30/09/2021	MS 10 - Complete use cases implementation in all cities' Co-Creation Labs	Report on completed use cases implementation in all cities is available



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Activity 3

Co-Creation Labs: perform experiences and validation by cities

Task	Output	Role			
		CML	NOVA IMS	Other cities	BSC
3.1 Expand Co-Creation Labs: methodology, framework and technological tools definition	Report on Co-Creation Labs: methodology, framework and technological tools	Lead the methodology, framework and technological tools definition, aiming to pass the lessons learned to other cities		Follow task implementation and participate in labs.	
3.2 Coordination of Co-Creation Labs: use cases implementation	Report of use cases implementation and performance in each city and recommendations	Lead passage of labs to other cities and provide advice	Follow task implementation and participate in labs	Implement their won labs and test services/ use cases	Follow task implementation and participate in labs Contribute with testbeds



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Activity 4

Communication of results

Starting date	Indicative ending date	Milestone (MS)	Means of verification
01/10/2019	31/12/2019	MS 3 - Elaboration of dissemination strategy and setting up of dissemination channels	Dissemination strategy is available
01/10/2019	30/09/2021	MS 11 - Final reach assessment	Final reach assessment report is available
01/10/2019	30/09/2021	MS 12 - Final conference in Lisbon	Meeting report submitted to INEA



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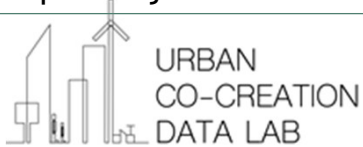


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Activity 4

Communication of results

Task	Output	Partners Role				
		NOVA IMS	CML & Cities	AMA	NEC	BSC
4.1 Dissemination and Communication strategy and set up dissemination channels and material	Dissemination and Communication strategy, dissemination material, dissemination channels (including a website and social networks channels)	Contribution to the preparation of Dissemination & Communication materials				
4.2 Implementing Dissemination & Communication activities	Report on Dissemination and Communication activities performed, including performance indicators	Perform project Dissemination & Communication action				
4.3 Monitor and measure impact of dissemination activities and other measurable impact objectives	Dashboard to monitor the dissemination and other impact objectives	Conduct the evaluation	Participate in the evaluation			



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Activity 5

Future sustainability

Starting date	Indicative ending date	Milestone (MS)	Means of verification
01/10/2019	31/07/2021	MS 9 - For all services: identification of viable business models and willingness to buy verified	Report is available



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Activity 5

Future sustainability

Task	Output	Partners Role				
		NOVA IMS	CML & Cities	AMA	NEC	BSC
5.1 Exploitation possibilities analysis	All possibilities for exploitation detailed in a document					
5.2 Exploitation and Sustainability Planning	An exploitation and sustainability plan detailing how the consortium partners will collectively or individually ensure sustainability of the results	Conduct the plan				



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Activity 6

Project Management

Starting date	Indicative ending date	Milestone (MS)	Means of verification
01/10/2019	31/10/2019	MS 1 - Project management plan including quality assurance and risk management	The project management documentation is electronically available
01/10/2019	30/09/2021	MS 13 -Beneficiaries to deliver a demonstration of their Action's results via a remote or onsite meeting with DG CNECT	Validation email by DG CNECT



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Activity 6

Project Management

Task	Output	Partners Role				
		NOVA IMS	CML & Cities	AMA	NEC	BSC
6.1 Coordination with the European Commission and reporting	Action Management Plan, including Quality Assurance and					
6.2 Quality assurance and progress management	Risk Management, Interim progress reports	Lead task implementation				
	Final report					
6.3 Action Management						



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3. Partner's expertise



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4. Action web site presentation

www.urbandatalab.pt



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6. Project implementation plan

MS number	Activity number	Milestone description	Indicative completion date	Partners				
				NOVA IMS	CML	AMA	NEC	BSC
1	6	Action management plan including quality assurance and risk management	31/10/2019	Ana	Celia			Oriol
2	1	Data sets and requirements defined for all 3 cities	31/12/2019	Miguel+Pedro	Celia			Oriol
3	4	Elaboration of dissemination strategy and setting up of dissemination channels	31/12/2019	Ana	Celia			Oriol
4	1	Service and Use Cases full definition for all 3 cities is ready	30/03/2020	Miguel+Pedro	Celia			Oriol
5	3	Defined methodologies to be followed in all cities' co-creation labs are ready	30/09/2020					



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6. Project implementation plan

MS number	Activity number	Milestone description	Indicative completion date	Partners				
				NOVA IMS	CML	AMA	NEC	BSC
6	2	Data models including refined analytical 30/09/2020 models that support the city's planning and management and 5 analytical services are deployed in HPC	30/09/2020					
7	2	HPC resources have been used in order to process the data as required by the Action	30/11/2020					
8	2	Compliance with the Metadata Quality Assurance (MQA) tool for datasets	30/11/2020					
9	5	For all services: identification of viable business models and willingness to buy verified	31/07/2021					



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6. Project implementation plan

MS number	Activity number	Milestone description	Indicative completion date	Partners				
				NOVA IMS	CML	AMA	NEC	BSC
10	3	Complete use cases implementation in all cities' Co-Creation Labs	30/09/2021					
11	4	Final reach assessment	30/09/2021					
12	4	Final conference in Lisboa	30/09/2021					
13	6	Beneficiaries to deliver a demonstration of theirs Action's results via remote or onsite meeting with DG CNECT	30/09/2021					



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Activity 1

Data Preparation and open data infrastructure assessment

Partner	Costs			Subtotal
	Personnel costs	Subcontracting costs	Other cost	
NOVA IMS	12 342,00		11 138,00	23 480,00
CML	9 286,00			9 286,00
AMA	2 476,00			2 476,00
NEC Portugal	2 476,00			2 476,00
BSC	26 260,00		2 500,00	28 760,00
Subtotal	52 840,00	0,00	13 638,00	66 478,00

Costs included

Data acquisition
 Cloud servers
 Software
 Travels and per diems
 Catering and room/equipment rental
 Other general expenses including travel and costs of experts



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Activity 2

Services analytics refinement and HPC preparation

Partner	Costs			Subtotal
	Personnel costs	Subcontracting costs	Other cost	
NOVA IMS	81 411,00		31 313,00	112 724,00
CML	37 143,00		52 635,00	89 768,00
AMA	16 429,00		31 313,00	47 742,00
NEC Portugal	16 429,00		31 312,00	47 741,00
BSC	64 520,00		2 500,00	67 020,00
Subtotal	215 932,00	0,00	149 063,00	364 995,00

Costs included

Cloud servers
 Software and other general expenses related to the Co-Creation labs
 Studies related to services use, market analysis and applications
 Travels and per diems
 Catering and room/equipment rental
 Other general expenses including travel and costs of experts



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Activity 3

Co-Creation Labs: perform experiences and validation by cities

Partner	Costs			Subtotal
	Personnel costs	Subcontracting costs	Other cost	
NOVA IMS	40 697,00		10 000,00	50 697,00
CML	34 714,00		10 000,00	44 714,00
AMA				0,00
NEC Portugal				0,00
BSC	39 186,00		5 000,00	44 186,00
Subtotal	114 597,00	0,00	25 000,00	139 597,00

Costs included

Costs replication of services in other cities
 Data acquisition
 Cloud servers
 Software
 Studies related to services use, market analysis and applications
 Travels and per diems
 Catering and room/equipment rental
 Other general expenses related to the Co-Creation labs, including travel and costs of experts



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Activity 4

Communication of results

Partner	Costs			Subtotal
	Personnel costs	Subcontracting costs	Other cost	
NOVA IMS	41 461,00		58 342,00	99 803,00
CML	18 429,00		15 000,00	33 429,00
AMA	14 130,00			14 130,00
NEC Portugal	12 762,00			12 762,00
BSC	97 966,00		10 000,00	107 966,00
Subtotal	184 748,00	0,00	83 342,00	268 090,00

Costs included

Studies related to services use, market analysis and applications
 Project image and website
 Marketing actions to promote the implemented services, including dissemination materials and events with services (sound, hosting, translation)
 Catering and room/equipment rental
 Event proceedings
 Final results dissemination services



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Activity 5

Future sustainability

Partner	Costs			Subtotal
	Personnel costs	Subcontracting costs	Other cost	
NOVA IMS	12 688,00			12 688,00
CML	11 571,00			11 571,00
AMA	8 810,00			8 810,00
NEC Portugal	8 368,00			8 368,00
BSC	58 780,00		2 500,00	61 280,00
Subtotal	100 217,00	0,00	2 500,00	102 717,00

Costs included

Exploitation and sustainability studies
 Travels and per diems
 Studies related to services use, market analysis and applications
 Catering and room/equipment rental
 Other general expenses, including travel and costs of experts



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Activity 6 Project Management

Partner	Costs			Subtotal
	Personnel costs	Subcontracting costs	Other cost	
NOVA IMS	14 884,00		10 550,00	25 434,00
CML	4 571,00			4 571,00
AMA	2 202,00			2 202,00
NEC Portugal	2 107,00			2 107,00
BSC	3 800,00		2 500,00	6 300,00
Subtotal	27 564,00	0,00	13 050,00	40 614,00

Costs included

Software (for project management)
Catering and room/equipment rental;
Other directly linked expenses to the action including travel and costs of experts



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