

Title:

SKIMME_2030

“Skills for Innovative Metropolitan Mobility: Europe_2030”

Contact:

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Proposal idea:

H2020 Call "Mobility for Growth" 2018-2019 - *MG 1.4: New forms of mobility and spatial planning in large metropolitan areas. Proposals may address areas such as:*

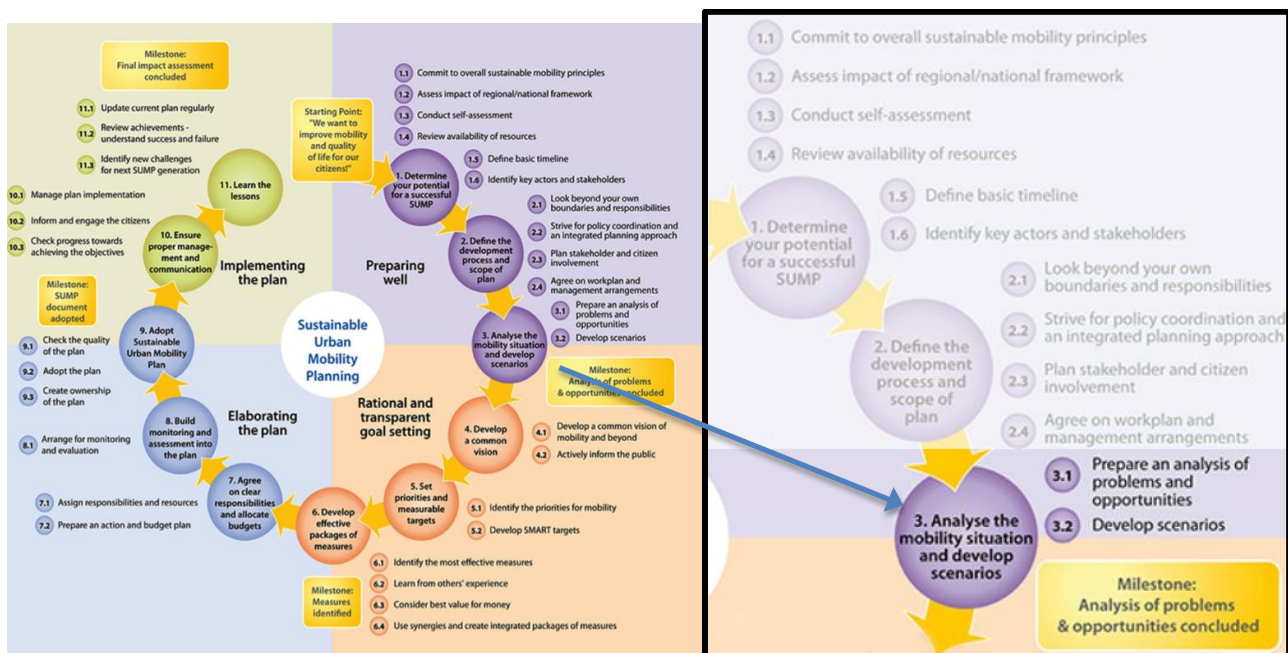
- *Approaches to address environmental and spatial impacts while enhancing connectivity addressing also governance and institutional issues.*
- *Comprehensive planning for the entire functional area considering specific needs of (large) metropolitan areas, new operating models in collective public and private transport, but also transferring good practices in the EU, especially innovative planning concepts as for example multi-state planning, performance-based planning, etc.*

The idea is to establish a digital e-governance model (IMM-model) addressed to enhance innovative mobility and connectivity scenarios in the large metropolitan area of EU cities (polycentric area). The objective is also to enhance environmental and spatial issues, especially in the activity and housing area around the metropolitan and urban railway stations network.

Using indicators linked to a sustainable mobility planning (Poly-SUMP process) and adapted to each specific area, the project proposes interactive collaboration between actors. The FabLab – (*fabrication laboratory*) a small-scale workshop offering digital fabrication - is the framework able to organize the stakeholders in each EU city involved in the project.

The digital IMM e-governance model will manage this collaboration. It allows to share technic competences (of architects, engineers, stakeholders...) as well as philosophies and methods.

The SKIMME_2030 project is linked to the “preparing well” Poly-SUMP process (<http://www.poly-sump.eu>) and will develop scenarios managed by the IMM-model:



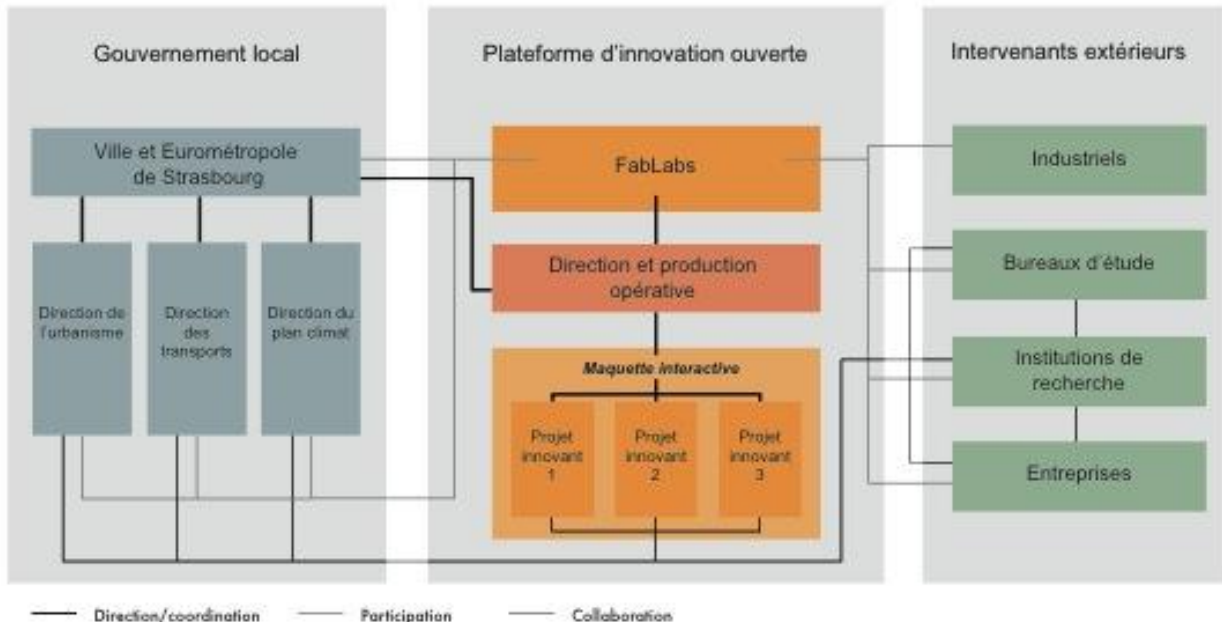
Objectives:

O.1: Establishment of indicators geared for innovative mobility and connectivity scenarios in European large metropolitan areas. (P.1: IMM-indicators geared)

O.2 Realization of critical analysis and diagnostics (geographic, socio-economic) on mobility and connectivity in each area. (P.2: IMM-Diagnostic)

O.3 Realization of several metropolitan mobility scenarios, gathered on an interactive digital platform. (P.3: IMM-Scenarios)

IMM-model scheme developed with the Strasbourg stakeholders (CMYT R&D, 2016):



European Dimension:

The project proposes a collaborative dimension between 5 European large metropolitan areas in Strasbourg, Liege, Venice, Thessaloniki, and Bratislava. It also proposes a European standardization of the criteria for managing and allocating exploratory metropolitan mobility scenarios.

Results:

The result of the project will be the creation of an interactive digital model (IMM-Model) able to support metropolitan mobility scenarios management. This e-governance model allows interaction between the technical actors involved in the metropolitan mobility planning (architects, engineers, landscapers, geographers, economists) and the local stakeholders.

Users: (Who can and will use the results of your project?)

First Users: CNRS and CMYT R&D (private urban planning & technology French studio)

End Users: EU Regions, Cities, Metropolitan stakeholders

Impact: (What is possible once your project achieves its objectives and delivers its results?)

The impact of the project will be an improved interaction between innovative and sustainable mobility actors in European regions, with a new regulation of the European public market regarding the scenarios phase. It defines and manages a new important private / public market segment.

Tentative Horizon 2020 work program, call, and funding scheme:

Four years project, 19 public and private partners (3 advisory board), 5.000 k€

WORK PACKAGES NUMBER

WORK PACKAGE 1: COORDINATION

Lead beneficiary of the WP1: UMR AUSser / CNRS-MCC

Partners involved in the WP1: UMR AUSser / CNRS-MCC

Main objective of the WP1: **Coordination of the whole project**

WORK PACKAGE 2: INDICATOR'S GREED

Lead beneficiary of the WP2: UMR AUSser / CNRS-MCC

Partners involved in the WP2:

- UMR AUSser / CNRS-MCC
- Ecole d'Architecture de Strasbourg (ENSAS-CAUP/Tongji)
- Karlsruhe Institut of Technology (KIT)
- University of Liege (ULG)
- Aristotle University of Thessaloniki (AUTH)
- University of Venice, Institute of Architecture (IUAV)
- The Technical University in Košice (TUKE)
- CMYT R&D

Main objective of the WP2: **Formulating the guidelines for the global and local analysis**

WORK PACKAGE 3: LOCAL DIAGNOSTICS

Lead beneficiary of the WP4: UMR AUSser / CNRS-MCC

Partners involved in the WP4:

- UMR AUSser / CNRS-MCC
- Ecole d'Architecture de Strasbourg (ENSAS-CAUP/Tongji)
- Karlsruhe Institut of Technology (KIT)
- University of Liege (ULG)
- Aristotle University of Thessaloniki (AUTH) – LOCAL ANALYSIS (400 K€)
- University of Venice, Institute of Architecture (IUAV) – LOCAL ANALYSIS (400 K€)
- The Technical University in Košice (TUKE) – LOCAL ANALYSIS (400 K€)
- CMYT R&D

Main objective of the WP4: **Realizing critical local analysis and diagnostics**

WORK PACKAGE 4: MODELING

Lead beneficiary of the WP3: CMYT R&D

Partners involved in the WP3:

- UMR AUSser / CNRS-MCC
- CMYT R&D

Main objective of the WP3: **IMM e-governance & planning modeling**

WORK PACKAGE 5: FabLab

Lead beneficiary of the WP5: UMR AUSser / CNRS-MCC

Partners involved in the WP5:

- UMR AUSser / CNRS-MCC
- Ecole d'Architecture de Strasbourg (ENSAS-CAUP/Tongji)
- Karlsruhe Institut of Technology (KIT)
- University of Liege (ULG)
- Aristotle University of Thessaloniki (AUTH)
- The Technical University in Košice (TUKE)
- University of Venice, Institute of Architecture (IUAV)
- Eurométropole of Strasbourg (EmS)
- City of Liège
- City of Thessaloniki
- City of Košice
- City of Venice
- City of Copenhagen
- CMYT R&D
- Atelier CMYT
- Agence AAF
- LOHR Industrie
- SYSTRA

Main objective of the WP5: **Interactive & multi-actors planning work**

WORK PACKAGE 6: SCENARIOS

Lead beneficiary of the WP: Atelier CMYT

Partners involved in the WP6:

- UMR AUSser / CNRS-MCC
- Atelier CMYT
- Agence AAF
- Ecole d'Architecture de Strasbourg (ENSAS-CAUP/Tongji)
- Karlsruhe Institut of Technology (KIT)
- University of Liege (ULG)
- Aristotle University of Thessaloniki (AUTH)
- The Technical University in Košice (TUKE)
- University of Venice, Institute of Architecture (IUAV)
- LOHR Industrie
- SYSTRA

Main objective of the WP6: **Developing scenarios and digital mapping**

WORK PACKAGE 7: FINALIZING IMM-MODEL

Lead beneficiary of the WP7: CMYT R&D

Partners involved in the WP7:

- CMYT R&D
- UMR AUSser / CNRS-MCC

Main objective of the WP7: **Finalizing IMM-Model**

Partners and roles:

Public research institutions

1. UMR AUSser / CNRS-MCC – WP1-WP2-WP3-WP4-WP5-WP6
2. Ecole d'Architecture de Strasbourg (ENSAS-CAUP/Tongji) – WP2-WP3-WP5-WP6
3. Karlsruhe Institut of Technology (KIT Econ) – WP2-WP3-WP5-WP6
4. University of Liege (ULG) – WP2-WP3-WP5-WP6
5. Aristotle University of Thessaloniki (AUTH) – WP2-WP3-WP5-WP6
6. University of Venice, Institute of Architecture (IUAV) – WP2-WP3-WP5-WP6
7. The Technical University in Košice (TUKE) – WP2-WP3-WP5-WP6

Local authorities and transport operators

8. Eurométropole of Strasbourg (EmS) – WP5: Contribution (Data, methods)
9. City of Liege – WP5: Contribution (Local Data)
10. City of Thessaloniki – WP5: Contribution (Local Data)
11. City of Venice – WP5: Contribution (Local Data)
12. City of Bratislava – WP5: Contribution (Local Data)
13. City of Copenhagen – Mobility policy Advisory board
14. City of Shanghai – Mobility policy Advisory board

Private research centers and industries

15. CMYT R&D – WP2-WP3-WP5-WP7
16. Atelier CMYT – WP5-WP6
17. Agence AAF – WP5-WP6
18. LOHR Industrie – WP2-WP5
19. SYSTRA – Technology Advisory board

Budget and duration estimate:

5.000 K€

Project duration in months or years

48 month