



e-Newsletter MOSIPS project

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About MOSIPS

The aim of MOSIPS is to develop a user-friendly policy simulation system allowing forecasting and visualizing the socio-economic potential impact of public policies. This will allow policy makers to perform an ex - ante evaluation of the impact of the policy designs before their application, helping to improve an efficient use of public resources.

In order to manage the scope of the Project R&D activities and taking into account SMEs importance in EU Economy, MOSIPS focuses on SME-oriented policies. Moreover, in order to structure the possible policy design that can be conceived, analyzed and implemented by local and regional governments, it relies on the **European Small Business Act** (SBA).

According to the MOSIPS consortium end users (Municipality of Verona – Italy – and Municipality of Madrid – Spain), and thanks to the input received by the Municipality of Bilbao (Spain) and the Municipality of Thermi (Greece), the following SBA's priorities areas have been taken into account as core of the modelling features:

- **Entrepreneurship** (create an environment in which entrepreneurs and family businesses can thrive and entrepreneurship is rewarded)
- **Responsible administrations** (make public administrations responsive to SMEs' needs)
- **Innovation** (promote the upgrading of skills in SMEs and all forms of innovation)
- **Environment** (enable SMEs to turn environmental challenges into opportunities)

By producing new knowledge in the areas of modelling, multi-agent based simulation and visual technologies for data analysis, MOSIPS will enable a significant improvement of the quality of policies implemented by public authorities by providing access to meaningful information about the expected consequences of policies designs.

At A Glance: MOSIPS

Modeling and Simulation of the Impact of Public Policies on SMEs

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Partners:

University of Alcalá (ES), Research Studios Austria Forschungsgesellschaft (AT), University of Reading (UK), Opera21 (IT), University of Konstanz (DE), European Institute of Interdisciplinary Research (FR), Ayuntamiento de Madrid (ES), Comune di Verona (IT).

Call: FP7-ICT-2011-7, Objective 5.6 "ICT Solutions for governance and policy modelling"

Funding scheme: STREP

Total Cost: € 3.44m (EC Contribution: € 2.71m)

Duration: September 2011–August 2014

Contract Number: INFISO-ICT-288833

Partners in Brief



Research Studios Austria Forschungsgesellschaft (**RSA**) was established in 2003 and is a non-profit research institution that manages the transfer of innovation and knowledge between universities and the market. It operates seven Research Studios, linking the universities of Vienna, Linz and Salzburg. The basis of the research work conducted lies in the belief that in times of global competition, entrepreneurial success requires that new technological potentials be utilized in a timely and useful manner.

Research Studio iSPACE, a research unit of Research Studios Austria Forschungsgesellschaft, specializes in the enhancement of digital maps so that they provide analysis- and valuation models for complex issues by means of comprehensible spatial representations.





MOSIPS Technology News

In order to feed the MOSIPS model, a specific process for identification, collection and raw data structuring has been undertaken.

The different public data sources (among them: national census, labour force survey or building census) have been structured according to the categories of *individuals and families*, *establishments and firms* and *macroeconomic environment*:

- **Individuals and families:** even if MOSIPS system will not directly simulate the effect of policy designs on these agents, their behaviour need to be taken into account due to the fact that they are firms' owners, workers and final purchasers of goods and services produced by enterprises. The data collected and structured are used in order to know people and families' number, location, work status and relatives, education level as well as income and expenses.
- **Establishment and firms:** these are the key actors of the MOSIPS system due to the fact that the majority of the policy designs have direct effects on their status. MOSIPS system needs to rely on information such as activity level, establishment and firms' location, R&D investments, workers and competitors.
- **Macroeconomic environment:** these location specific indicators are used in order to take into account their effect on the decisions of individual and enterprises.

Within MOSIPS, this information has been extracted by 15 different publicly available data sources and transformed into 125 simulator ready variables by implementing a data collection protocol (required in order to define the country specific needs) and several ETL (Extract, Transformation and Load) adapters and specific flows.

MOSIPS Events

"Madrid Vaguada Innovation Center conference"

The MOSIPS project was presented by Anova IT Consulting and the Municipality of Madrid in the framework of the conference "Smart City + Projects in Horizon 2020", included in the program of the Municipality of Madrid that promotes innovation, new technologies and R&D among local companies.



Under the slogan 'Where the Future is Present', the innovation was promoted through the cornerstones created between public institutions, research centers and private companies.

All these institutions took part in a participatory debate about possible MOSIPS software improvements and elements to be taken into account, enabling the project strategy for SMEs engagement.

