



e-Newsletter MOSIPS project

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About MOSIPS

Why MOSIPS?

The relationship between government and citizens is undergoing fundamental change. On one hand, **governments are overcoming the difficult decision-making processes** required for tackling a situation where multiple and very different variables take part, and within global and local dynamics that get more and more complex. They eagerly need better tools for policy-making, and new opportunities for being able to explain the public opinion the measures they take. On the other hand, **citizens wish to understand and participate into public policies**, especially those directly impacting their lives, while collaboration from day-to-day citizens in the design and implementation of public policies is mostly missing.

The **MOSIPS project** (www.mosips.eu) proposes to **use advanced policy simulation systems**, beyond current ones based on traditional mathematical modelling, in order to tackle this double-faced problem. Given the importance of SMEs in EU Economy, focus will be set on the impact of the SME-oriented policies on their R&D activities.

What is MOSIPS?

The MOSIPS project aims to develop a **user-friendly interactive intelligent policy simulation system allowing forecasting and visualizing the socio-economic potential impact of public policies**. This will allow policy makers to make experiments with different socio-economic designs, even with the participation of citizens and potentially impacted stakeholders, before a public policy is settled. Different stakeholders will participate into the process via **an e-participation web** service based on social networks. This service will allow citizens and stakeholders to interact with the system, participating in the final design of the policy being developed and enriching the result of the forecast.

Benefits from MOSIPS

The MOSIPS results will be suited to policy options, giving to socioeconomic stakeholders a decision arena visualizing and illustrating policy insights, providing:

- Significant improvement of the quality of policies implemented by public authorities at any administrative level, and thus, a substantial costs savings.

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

- Intuitive access to meaningful information to citizens about the expected consequences of policies designed for the area they live at.
- Policy-making best practices and valuable open source of information for higher levels of public decision making.

Partners in Brief

 Anova IT Consulting (<http://www.anovagroup.es/>), a Spanish SME and the **MOSIPS coordinator**, is a leading R&D consultancy company that investigates, develops and implements solutions based on leading market applications and its own developments. Anova, as inceptor of innovative projects, has established collaboration agreements with different entities to apply the research results to the society.





MOSIPS Technology News

SBA - The start point for MOSIPS Policy framework

The MOSIPS project takes the **Small Business Act (SBA) as the core area for policy modelling**. The SBA¹ "aims to improve the overall policy approach to entrepreneurship, to irreversibly anchor the "Think Small First" principle in policymaking from regulation to public service, and to promote SMEs' growth by helping them tackle the remaining problems which hamper their development". The SBA is the EU flagship SME policy initiative comprising ten principles:

1. Create an environment in which entrepreneurs and family businesses can thrive and entrepreneurship is rewarded.
2. Ensure that honest entrepreneurs who have faced bankruptcy quickly get a second chance.
3. Design rules according to the "Think Small First" principle.
4. Make public administrations responsive to SMEs' needs.
5. Adapt public policy tools to SME needs: facilitate SMEs' participation in public procurement and better use State Aid possibilities for SMEs.
6. Facilitate SMEs' access to finance and develop a legal and business environment supportive to timely payments in commercial transactions.
7. Help SMEs to benefit more from the opportunities offered by the Single Market.
8. Promote the upgrading of skills in SMEs and all forms of innovation.
9. Enable SMEs to turn environmental challenges into opportunities.
10. Encourage and support SMEs to benefit from the growth of markets.



On this basis, Ms. Anna Sadowska, EIIR Regional Manager, together with the end users participating in the MOSIPS project, led the analysis of a 'Policy Radar' focused on the countries represented in the project:

Spain, Italy and Greece. The 'Radar' is a mechanism that allows policy makers position their regions performance profiles against the SBA principles.

Modeling the real economy

An Agent-based Model (ABM) is a computational model for simulating the actions and interactions of autonomous agents with a view to assessing their effects on the system as a whole. The use of ABM in order to model the real economy allows making useful forecast based on the attributes and behavior of each particular agent.

- MOSIPS will implement the multi-agent environments from multiple data sources.
- MOSIPS will apply econometrics and applied psychology to model individual actors: Individuals and Establishments.
- MOSIPS will apply macroeconomics and applied social sciences to model relations and interaction rules between agents.

For our purposes, in order to truthfully represent the economy, both firms and people has been placed with their individual characteristics. Besides, public administration, financial and external sector are represented as they interact with SMEs establishing policies, giving access to finance, competing with them or allow selling part of their production abroad.

MOSIPS Events

The MOSIPS Project has been presented in:



The theoretical forecasting models developed in MOSIPS have been disseminated around the world! Mr. Antonio García and Mr. Federico Pablo-Martí, experts of the Instituto Universitario de Análisis Económico y Social (IAES - University of Alcalá), explained the MOSIPS agent-based in the 4th World Congress on Social Simulation hold in Taipei (Taiwan).



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¹ Communication from the Commission to the Council, the European Parliament, the European Economic and Social Committee and the Committee of the regions, "Think Small First: A "Small Business Act" for Europe, Brussels, 25.6.2008.

