



SAFECITI

Simulation Platform for the Analysis of Crowd Turmoil in Urban Environments with
Training and Predictive Capabilities



LISBON, 5-8 OCTOBER

- Type: FP7 Collaborative Project / Open topic for SME / Security
- Coordinator: Next Limit (Spain)
- Goal: Training system for crowd control and Police operations
- Budget: 1.9 M€
- Partners: 6
- Advisory Board / Ethical Board
- Timeline: 24 months (Feb2014 – Feb2016).
- Expected results: demonstrator

- SAFECITI is more than a videogame. It is base on serious gaming technology.
- SAFECITI is more than a training platform. It has predictive capabilities (AI).

The display (visualization) is important, but more important are the lower layers

OBJECTIVES

SAFECITI project aims the creation of a simulation platform for police intelligent analysts to simulate and predict the behaviour of crowds (up to ten thousand people) in urban environments in order to train and help to develop safety plans and tactics operations. The system is based in “Serious Game” technology and is designed as a platform for training puposes providing advanced training capabilities through the implementation of artificial intelligence algorithms.

PARTNERS

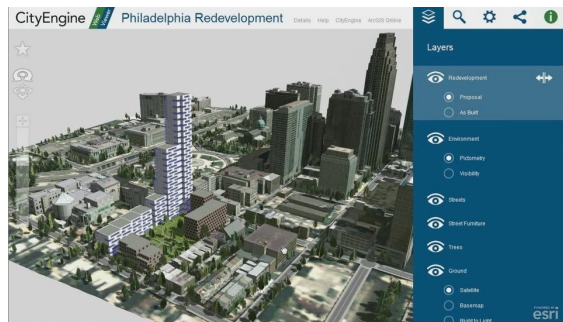


SPECIFIC OBJECTIVES

- Create a practical training tool for police analysts using a serious game model. Spanish National Police to become a real user.
- Improve the ability of the analysts to prevent and mitigate risks in a crowd protest, reducing injuries and damages.
- Provide a simulation platform to recreate complex crowd behaviour.
- Provide automatic predictive capabilities to assess the analysts.
- Develop a scalable system for further developments..

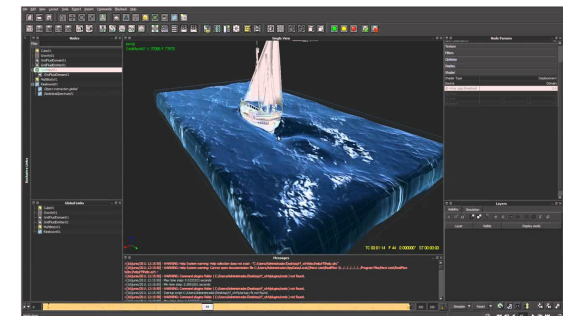


Crowd simulation engine / behaviors / reactions WP4



Urban generation WP5

3D graphics and system logic WP7

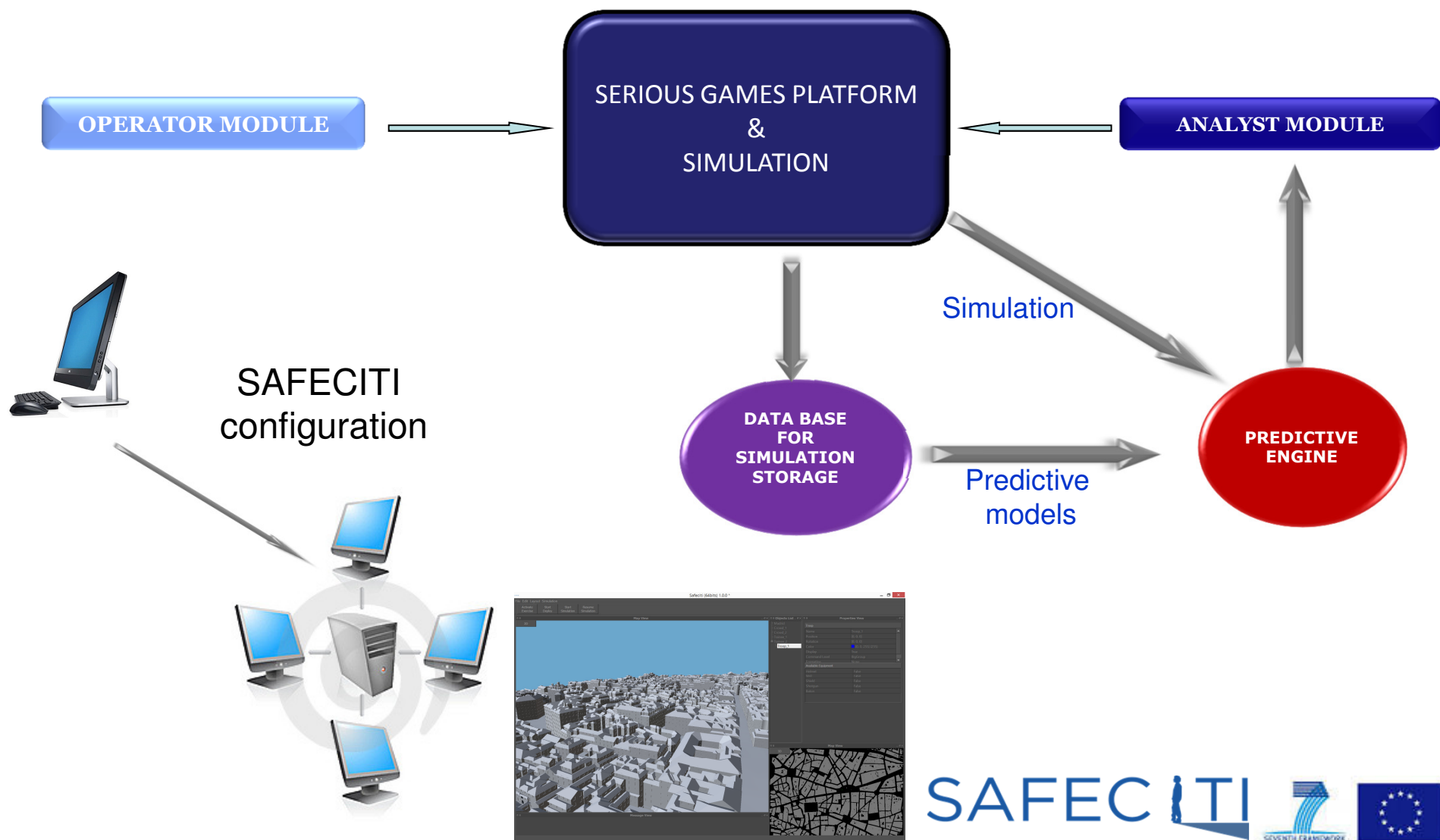


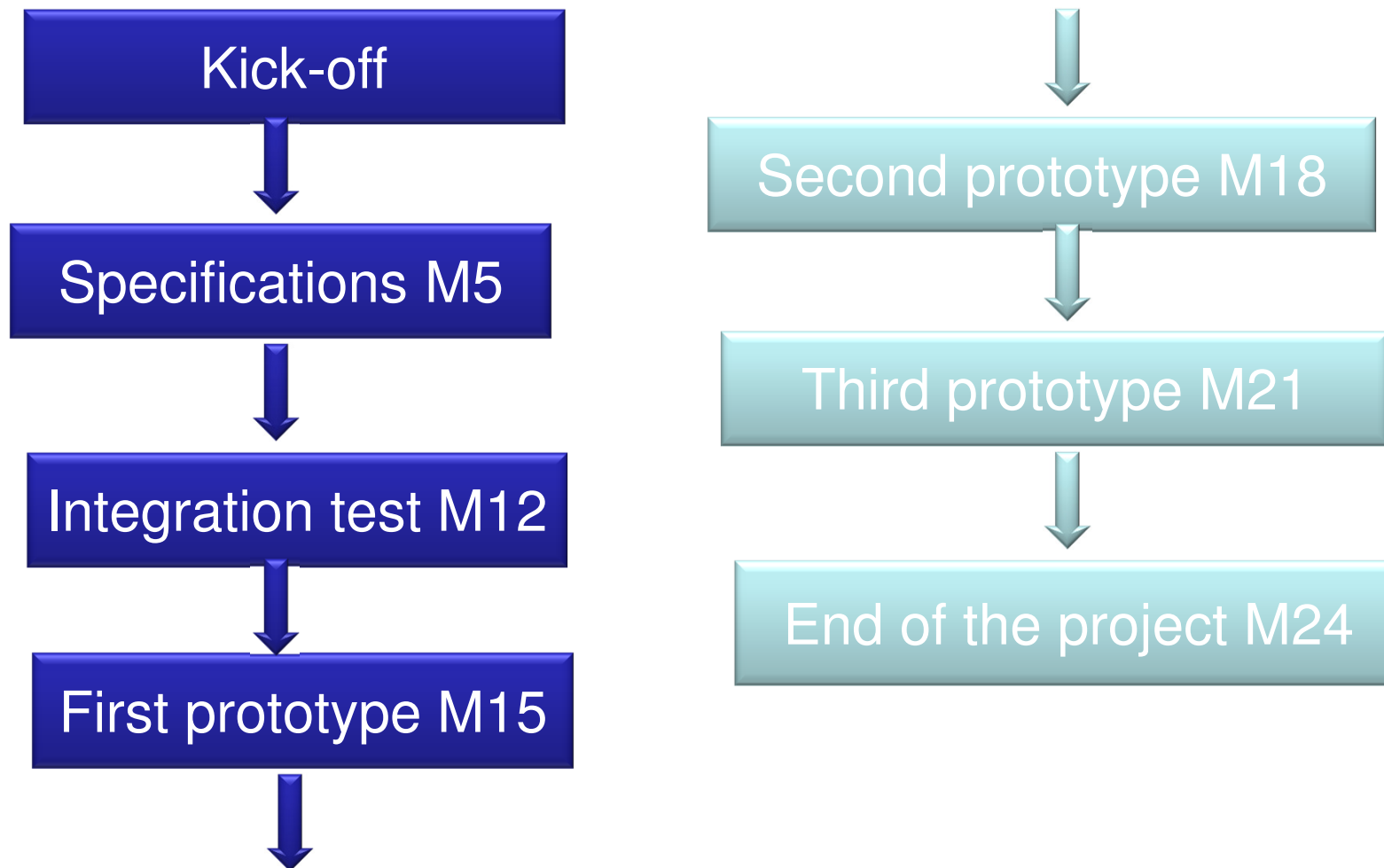
Predictive engine WP6

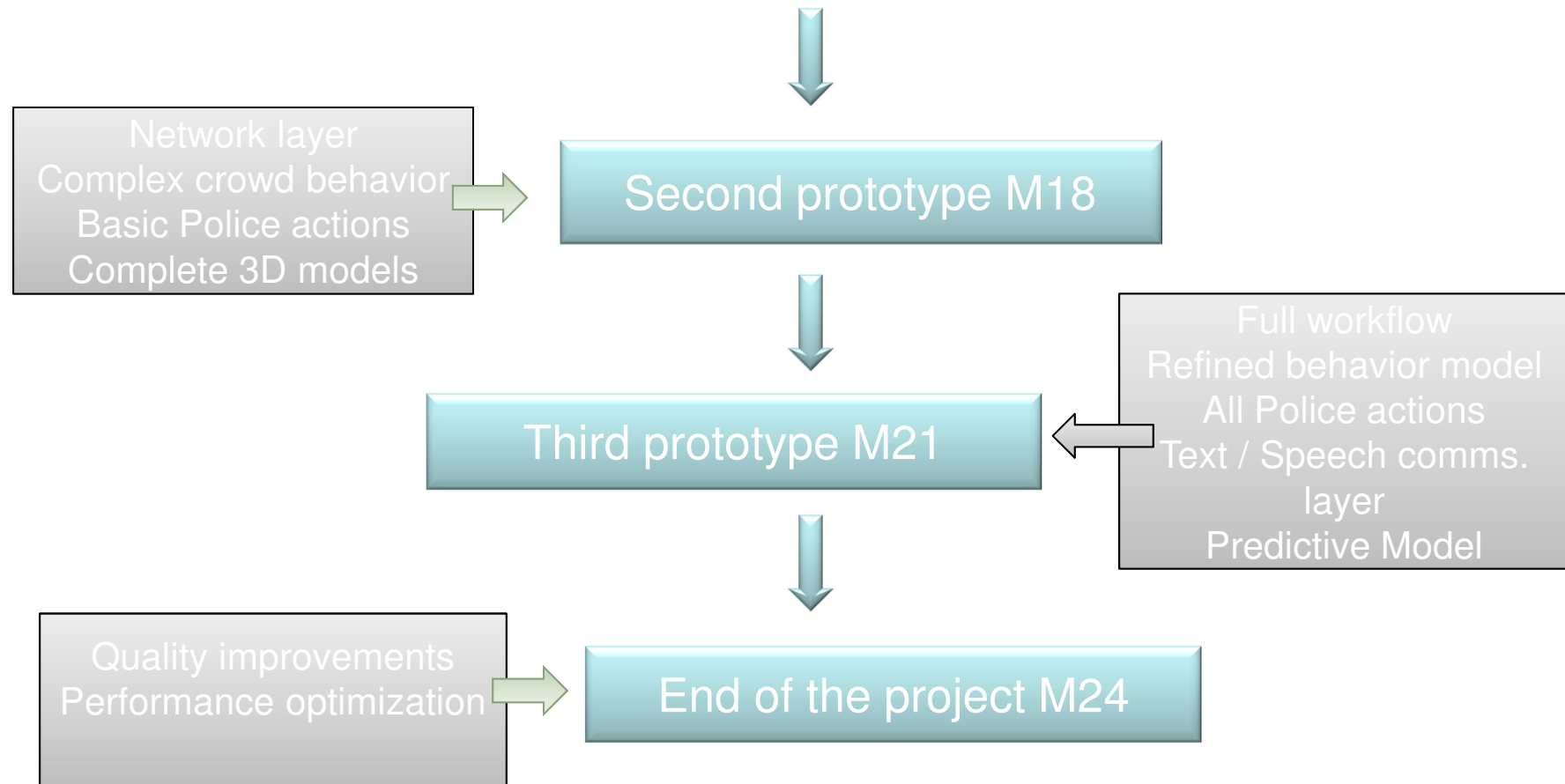


POLITECNICO DI TORINO
Dipartimento di Scienze Matematiche
G.L. Lagrange

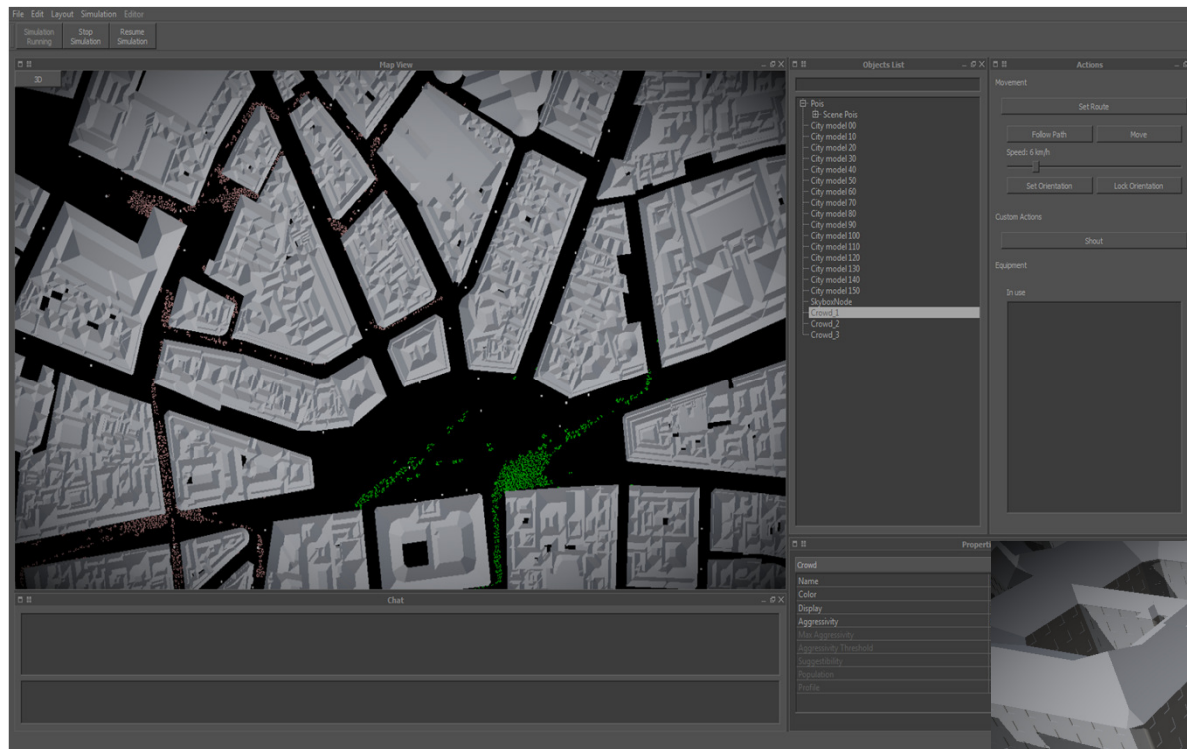








A PERMANENT SHOW ROOM WILL SET UP



THANK YOU!!!!

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