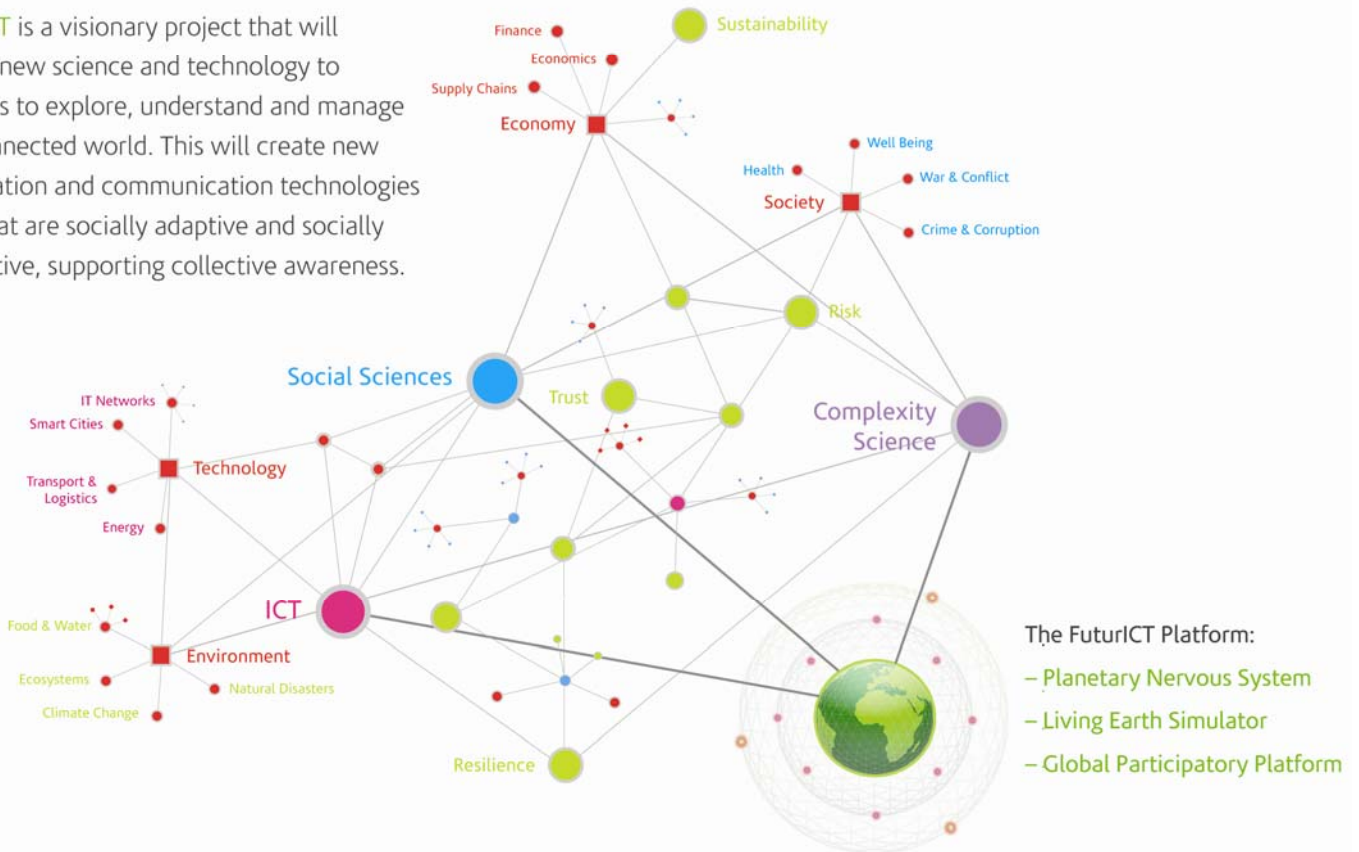




FuturICT is a visionary project that will deliver new science and technology to allow us to explore, understand and manage our connected world. This will create new information and communication technologies (ICT) that are socially adaptive and socially interactive, supporting collective awareness.



## Crime and Corruption Observatory

*Can we know in advance organized crime movements? How to fight frauds and corruption? Can cybercrime threats be faced in a safe way? FuturICT Crime and Corruption Observatory will work to answer these questions.*

The cost of crime in the United States is estimated to be more than \$1 trillion annually. The cost of corruption ranges from 2 to 5 per cent of global GDP, which amounts from \$ 800 billion to \$ 2 trillion in current U.S. dollars. The cost of war on terrorism in US since 9/11 is over \$1 trillion.

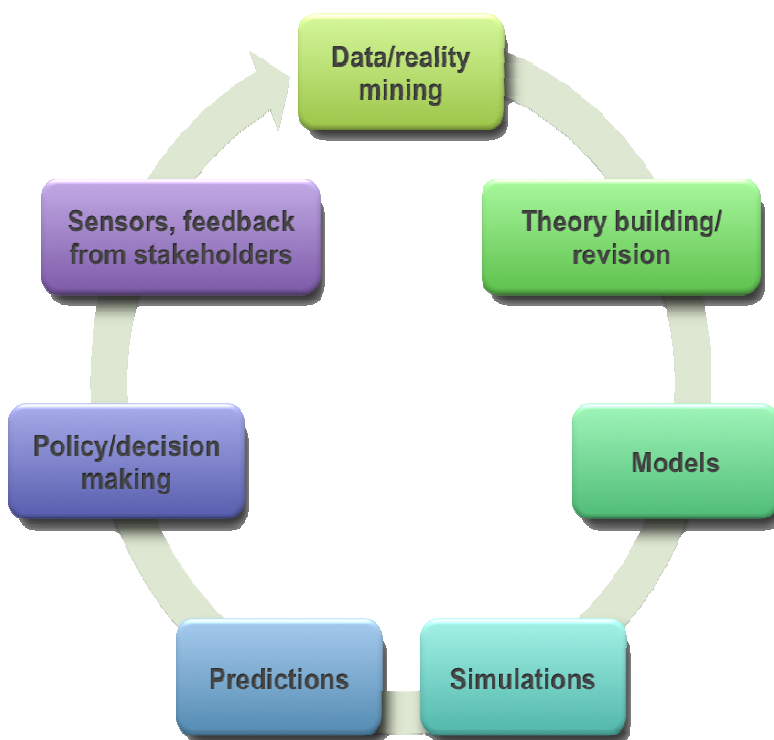
These data show the huge impact of crime on social, legal and economic systems. If the impact of these problems could be reduced by 1% only, this would already create an enormous benefit on society. FuturICT shoots for a reduction between 10% and 30%: the Crime and Corruption Observatory will face this challenge by studying and predicting the evolution of phenomena arising alarm within and between different societies.

## How will the Crime and Corruption Observatory work?

The Crime and Corruption Observatory will run massive data mining and large-scale computer simulations of social dynamics related to criminal activities. It will be built upon an innovative approach view and technological instruments. This approach needs a general scientific-grounded strategy, since global threats, as crime and corruption require global answers, able to coordinate national different policies.

Different expertise will be involved: from cognitive and social science to criminology, from artificial intelligence to complexity science, from statistics to economics and psychology. The method will thus be strongly interdisciplinary, benefiting from the joint effort of a consortium that will include scientists belonging to different fields.

Technology will play a central role in the project, both as a methodological resource for the study of the investigated phenomena and as an object, since technology itself is a part of the domain investigated (with particular reference to the criminal activities related to the use of ICT). For this reason, there will be a deep interconnection with the other FuturICT components: with the *Living Earth Simulator*, for the exploration of future scenarios to be modelled and simulated; with the *Planetary Nervous System*, for the storage of real-time data about the spread of crime activity worldwide; with the *Exploratory of Technology* and the *Exploratory of Economics*, for case studies applications; with the *Global Participatory Platform*, to promote the social, economic and political participation of citizens in problem arising safety alarm.



### Crime and corruption Observatory aim

The Crime and Corruption Observatory aims at going beyond the previous success stories focused mainly on prediction. The goal of the project is to promote a paradigm shift in our approach both to policy and decision making in order to empower crime prevention and reduce the costs of crime (e.g. increasing tax revenues fighting corruption and tax evasion). On the one hand, we can enhance the way policies are designed. Simulations, complexity models and big data can provide policy makers with innovative and scientifically grounded "what-if" analysis, which plays a fundamental role in Regulatory Impact Analysis. On the other hand, the goal is to create innovative tools to support police and security agencies and services with more effective instruments for law enforcement.

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