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# Standardization in research and innovation projects

## Success story: new technologies

### iNTeg-Risk:

Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related Risks, a 4 and half year FP7 project (December 2008 - May 2013), has proposed a new management paradigm for emerging risks as a set of principles supported by agreed tools and methods all integrated into a single framework. iNTeg-Risk was a large-scale integrating project aiming at improving management of emerging risks related to “new technologies” in European industry. The project’s main aim was to reduce time-to-market for the new technologies “made in EU” and promote safety, security, environmental friendliness and social responsibility as a competitive advantage and a trademark of the EU technologies. The project involved leading EU industries and renowned R&D institutions.

[www.integ-risk.eu](http://www.integ-risk.eu)

### THE PROJECT

The main outcomes of iNTeg-Risk, were:

- 1 Emerging Risk Management Framework (ERMF), for early and systematic recognition and analysis of emerging risks;
- 2 Catalogue of Emerging Risks, gathering structured and consistent information related to emerging risks;
- 3 Compilation of methods, guidelines and handbooks of recommended practices;
- 4 Emerging Risks Key Indicators;
- 5 CEN Workshop Agreement CWA 16649 “Managing emerging technology-related risks”, based on the iNTeg-Risk ERMF;
- 6 European Master and Certification Program in Risk Engineering and Management;
- 7 RiskRadar, providing the way to analyze and communicate emerging risks, and iNTeg-Risk 1StopShop, a suite of tools and applications designed for supporting efficient management of emerging risks.

CWA 16649 is complementary to the International Standard ISO 31000 and the Risk Governance Framework developed by the International Risk Governance Council.

### STANDARDS: A SOLUTION FOR MARKET UPTAKE

Standardization is one of the most adequate solutions to quickly capitalize and disseminate knowledge and have it implemented in the industry. It contributes to sustainable competitiveness through “reference documents”. Standardization is particularly important in the field of emerging technologies where knowledge and products make rapid progress. In this field especially, the efficient transfer from research to standardization is essential.

Standardization was a strong motivation for experts in the project and from outside coming and designing the framework together.

## HOW WAS THE STANDARD WORK DEVELOPED?

The CEN Workshop “Managing emerging technology-related risks”, which worked on a European pre-standardization document for Emerging Risk Management based on the iNTeg-Risk “Emerging Risk Management Framework”, was chaired by the project coordinator (EU-VRi). The Workshop secretariat was taken by DIN, the German Institute for Standardization who also ensured the liaison with other current standardization works and activities.

## IMMEDIATE BENEFITS

The standard development process brought valuable insight from experts outside the project, which contributed in confirming and fine-tuning the methodology developed in the project. This process and the CWA itself enlarged the notoriety of the project outputs.

## LONG-TERM EXPECTED IMPACT

The CEN Workshop Agreement CWA 16449 “Managing emerging technology-related risks” is expected to allow a sustainable improvement of practices regarding the early recognition, monitoring and integrated management of emerging, new technology related, risks.

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From the very beginning of the project, standardization was thought as the keystone topping the development of the framework, that would add visibility and authority to the framework developed in the project and enhance its wide implementation. These expectations were fulfilled.

Prof. Dr. Aleksandar Jovanovic, iNTeg-Risk coordinator.

[www.cencenelec.eu/research](http://www.cencenelec.eu/research)



Every project is different. The CEN-CENELEC Research Helpdesk can provide you with advice on how to include standardization in your project. Please feel free to contact us!

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