

WISE | Wireless Safety
for Employees
An INTERREG IV Project for safe wireless communication
in industrial and work environments: exposure and propagation

INTERREG IV
France • Wallonie • Vlaanderen
Interreg efface les frontières
Interreg doet grenzen vervagen

WiSE final event, 17/09/2014

INTERREG-WiSE

Wireless Safety for Employees WISE

Exposure measurements and easy-to-use software tools

<http://www.wica.intec.ugent.be/wise>

Wireless Safety for Employees
INTERREG IV
France • Wallonie • Vlaanderen

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Agenda

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- Context and goal of WISE
- Planning workshop



Context

- EU directive about 'electromagnetic field exposure' for workers effective in 2016
 - Each employer must evaluate exposure of workers AND satisfy directive → **working environment**
- Wireless communication in industry
 - Flexible solution in challenging industrial environments



Objective

- WISE
 - Determination of exposure in work-environments and development of tools
 - For evaluation, measurement and education for electromagnetic exposure
 - Wireless propagation in work environments
 - <http://wise.drupalgardens.com/>
- Timing WISE: July 2012 – December 2014

- 4 Partners
 - 2 French, 2 Flemish
- 2 universities/research institutes
 - UGent
 - University of Lille
- 2 companies
 - ASZ
 - CITC-EuraRFID

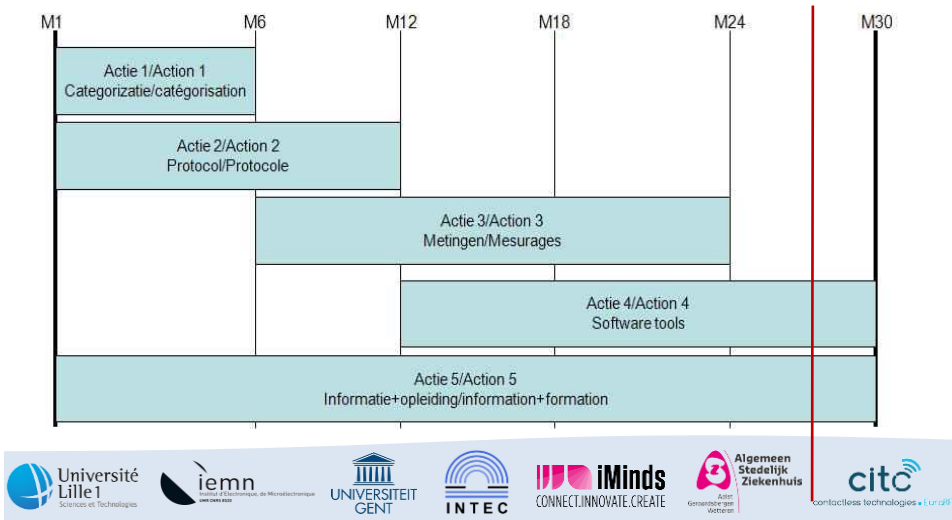


- ACTION 1: Categorization and classification of industrial inventory and industrial environments
- ACTION 2: All-usable measurement protocol to assess exposure and propagation in all industrial environments
- ACTION 3: Assessment
 - Assessment and characterization of propagation in industry
 - Assessment and modelling of human exposure and absorption in industry
- ACTION 4: Software tools **to be used by prevention advisors**
 - Development of software tools for the evaluation of exposure in industrial environments
 - Development of software tools for the optimal installation of wireless equipment in industrial environments (good communication and low exposure)
- ACTION 5: Information, education, measures, sensitize workers, employees and employers
 - **WORKSHOPS, education, standardisation**






Timing

- July 1 2012 - December 31 2014



WORKSHOP TODAY

- Language: French and Dutch
- Presentations
 - EU directive for workers
 - by dr. Maurice De Ridder 
 - Exposure in industry: WiSE tool for prevention advisors
 - by Leen Verloock and Matthias Van Den Bossche 
 - Communication in industry: experiments and planning tool
 - by Davy Gaillot and Emmeric Tanghe  
- Lunch
- VISIT CITC-EuraRFID lab