

interreg IV
USER COMMITTEE, Ghent, Belgium

Wireless Safety for Employees WISE

Agenda + structure WISE

<http://wise.drupalgardens.com/>

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■ User committee: who is who

■ Context and goal of WISE

■ Short presentations

- EU directive: Wout Joseph
- Exposure assessment/installations: Leen Verloock
- Propagation plan: Emmeric Tanghe

■ Feedback companies

- Other installations/environments; measurements; communication suggestions (**free workshops**); education for your workers; use of software package

■ AOB: next meeting, when+preferred hour

■ Context

- EU directive for workers (2004/40/EC) effective
 - Each employer must evaluate exposure of workers AND satisfy directive and CENELEC
 - **Working environment**
- Wireless communication in industry
 - Flexible solution in challenging industrial environments



■ WISE

- Determination of exposure in work-environments and development of tools
 - For evaluation, measurement and education for electromagnetic exposure
 - Wireless propagation in work environments

■ Timing WISE: July 2012 – December 2014

- **4 Partners**
 - 2 French, 2 Flemish
- **2 universities/research institutes**
 - UGent
 - University of Lille
- **2 companies**
 - ASZ
 - SNCF pole ASTI
- **User committee**

- **Reason**
 - More industrial partners to identify problematic situations
- **Role user committee**
 - Possible measurements of wireless communication and exposure due to different equipment
 - Specifications about machines and wireless equipment for project partners
 - Comments about our approach/suggestions for improvements + suggestions for communication
- **Meetings each 6 months or year**

■ Flanders:

<http://wise.drupalgardens.com/content/user-committee>

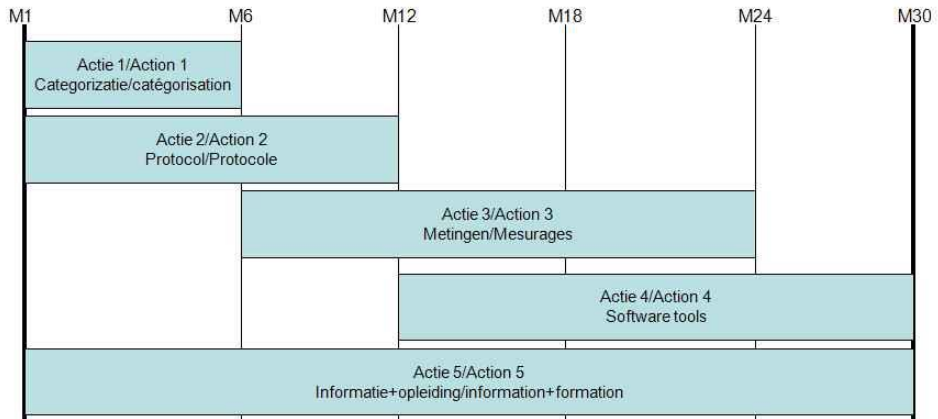
■ Who

- Prebes
- AZ Groeninge (Kortrijk)
- Belgocontrol
- ArcelorMittal (Gent)
- Volvo (Gent)
- Elia
- Soete Laboratory UGent
- Medisip MRI UZGent / UGent
- Belgacom
- Mobistar
- Base (KPN Group)
- Norkring
- Departement Leefmilieu, Natuur en Energie van de Vlaamse overheid LNE
- B-Holding (NMBS/Infrabel)

Others?

- **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**
 - **Info-brochures, 2 WORKSHOPS, education, standardisation**

- July 1 2012, December 31 2014
- ACTIONS 1, 2 and 5 started July 1



- **Organization of workshops**
 - Inform all possible prevention advisors
 - communication suggestions
 - Education for your workers
- **Feedback categorization**
 - Other installations/environments
- **Interest software tools to be used by prevention advisors**
 - Use of software package