



*This project is co-funded
by the European Commission with the FP7*

RESTRAIL at a glance

Where are we now?



Research project

Funded by the European Commission
(Seventh Framework Programme)



3 Year Project starting October 2011
(Total Budget € 3,870,000)



RESTRAIL aim

The aim of the RESTRAIL project is to reduce:

- The occurrence of suicides and trespass on railway property and
- The service disruption and other consequences these events cause

by providing the rail industry with an analysis and identification of cost effective prevention and mitigation measures.



RESTRAIL Consortium



Coordination by UIC
(Security division)

7 UIC members :

DBAG, FFE, IK,
INFRABEL, PRORAIL,
TCDD, TRAFIKVERKET

3 research centres :
VTT, CIDAUT, IFSTTAR

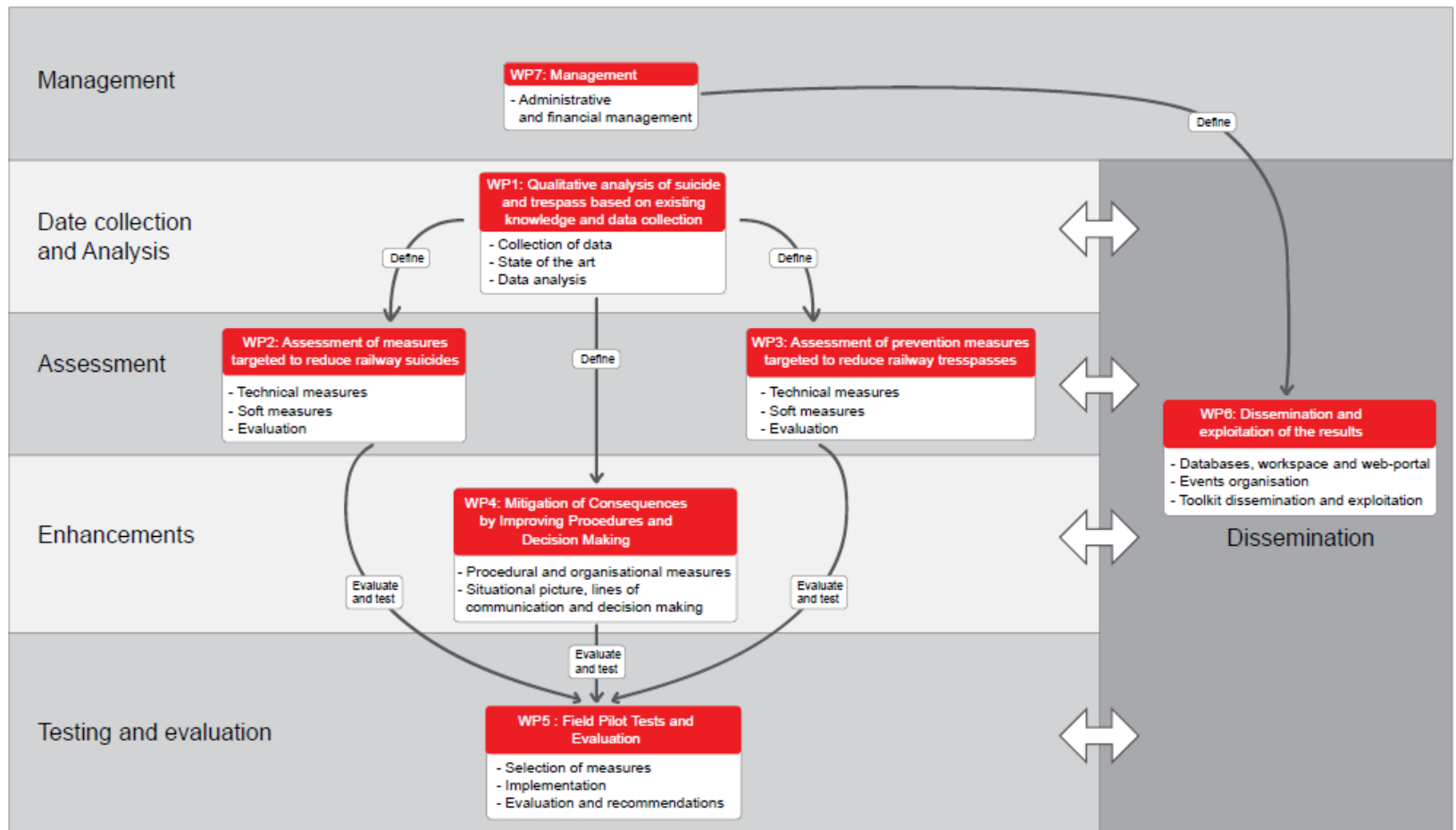
3 universities:
HMGU, KAU, Unott

3 industries:
ASTS, MTRS3, NICE



RESTRAIL – Project structure

Project structure





Main results of WP1

- A description of the state-of-the-art
- up-to-date statistics on railway suicides and trespassing accidents compiled from different sources,
- information on possible countermeasures to prevent railway suicides and trespassing accidents,
- analysis of the consequences of railway suicides and trespassing accidents, and
- data on the behaviour of victims prior to the incident.



WP2 + WP3

Key achievements

Maria Hedqvist, Trafikverket
Jean-Marie Burkhardt, IFSTTAR



Our findings

- No integrated classification
- 86 heterogeneous measures – grouped in 38 families
- We soon found similarities and differences

Fences and barriers

Mosquito sound

CCTV

Collaboration

Landscaping

Training of staff

Airbags

Education





Key achievements

- Method and process to evaluate measures (July 2012)
- Evaluation of measures (February 2013)
 - Long and short forms
 - Workshops to evaluate and gather information
 - Evaluation by stakeholders
 - Evaluation of effect by experts
- Guidance for selection and implementation





Key achievements

- recommended/promising measures
 - To prevent suicide – 10
 - To prevent trespass - 4
 - To prevent both - 8



System Components

Video Camera: daytime color and nighttime black and white.

Infrared Illuminator: floods the scene with infrared lighting during nighttime, triggered by photoelectric sensor, invisible to human eye.

Speaker: connected to a telephone line so that an authorized official can dial in and warn the trespassers via the amplified speaker system.

Motion Detector: dual-technology motion detector combining stereo Doppler microwave technology (motion detection) with a dual element passive infrared sensor (heat detection).

Magnetometer: used to screen out trains.



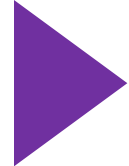
Key achievements of WP4 – mitigation measures

Knowledge platform



- Response arrangements
- Information management & communication
- Decision making processes for traffic restoration

Information management



- Functional specification document
- Prototype (NICE Situator)

Decision support



- Line restoration model
- Integration of the model with the information management software



RESTRAIL information

- Website www.restrail.eu
- Private workspace <http://ovidentia.uic.org/>
- Brochure, newsletter
Conferences and workshops
- Coordinator contact colliard@uic.org ; bonneau@uic.org





Thank you for your attention



Website : <http://www.restrail.eu/>



REduction of Suicides and
Trespasses on RAILway property



Project co-funded by the
European Commission

Welcome in RESTRAIL project website

The aim of the RESTRAIL (REduction of Suicides and Trespasses on RAILway property) project is to reduce:

- The occurrence of suicides and trespass on railway property and
- The service disruption and other consequences these events cause

by providing the rail industry with an analysis and identification of cost effective prevention and mitigation measures."

RESTRAIL brochure



Highlights



RESTRAIL: Info Day

RESTRAIL enews

RESTRAIL project: Reduction of Suicides and (...)

The First RESTRAIL Info Day was held in Paris on 13 June 2012. Around 50 participants attended this meeting. The objective was to provide the members of the project's advisory group with RESTRAIL's preliminary results. After a general (...)

European Research Project RESTRAIL "REduction of (...)

RESTRAIL is a collaborative project selected by the European Commission as part of the 4th "transport" call for proposals under the 7th Framework Programme for Research and Development. RESTRAIL aims to reduce the occurrence of suicides and (...)

About

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Coordinated by

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[Credits / website development: UIC Communications department](#)

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