



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

MID TERM CONFERENCE- RESTRAIL

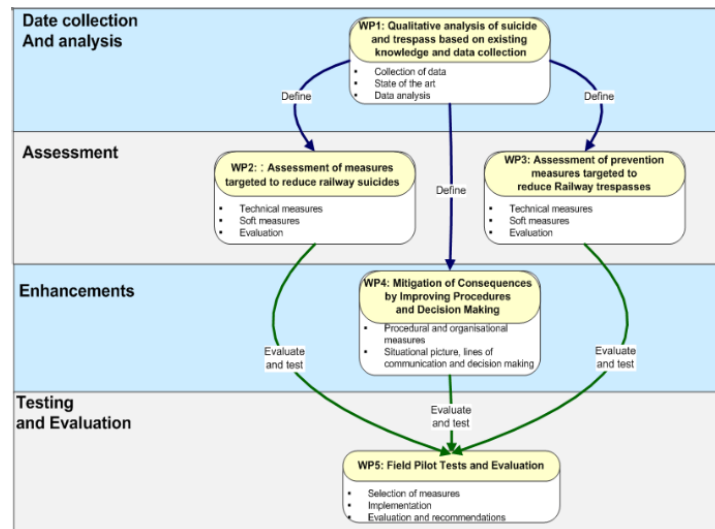
Objectives and Measures selected

Plaza, JUAN
CIDAUT Foundation



Introduction

- *According to DOW of RESTRAIL, the objectives of T5.1 are.:*
 - (1) *Select of final group of measures (set of recommended measures from previous Wps) to be implemented as pilot tests.*
 - (2) *Develop the pilot test preparation process.*
- *Recommended/promising measures to prevent and mitigate the consequences of suicides and trespassing.*





Measures selected: as candidates for WP5

Recommended and promising measures against **SUICIDE** issued from the assessment procedure (WP2-WP3):

ID	Family of measures	Classification
6	Surveillance and light to influence behaviour	Recommended
7	Detection system combined with sound warnings	Recommended
12	Targeted campaigns (including shock campaigns)	Recommended
25	Fences and barriers at specific parts of stations	Recommended
26	Fences and barriers at locations outside stations where people enter tracks	Recommended
2	Increased visibility by lighting at railway crossings, tunnels and hotspots	Promising
4	Increasing visibility through removal of vegetation	Promising
8	Surveillance to deter based on patrols	Promising
11	Surveillance based on local intelligence (e.g. from police, health authorities)	Promising
14	Mass media campaigns	Promising
15	Media Guidelines	Promising
29	Emergency information at stations (signs, posters, flyers, information on screens etc.)	Promising
35	Collaboration between organisations and agencies	Promising
36	Risk assessment (e.g. of stations, special circumstances, at risk groups or individuals).	Promising
37	Monitoring and learning from research and best practice	Promising
38	Local suicide and trespassing prevention plan	Promising



Measures selected: as candidates for WP5

Recommended and promising measures against trespassing issued from the assessment procedure (WP2-WP3):

ID	Family of measures	Classification
13	Education and prevention in schools and outside of school	Recommended
25	Fences and barriers at specific parts of stations	Recommended
26	Fences and barriers at locations outside stations where people enter tracks	Recommended
31	Warning signs and posters to address trespassing	Recommended
8	Surveillance to deter based on patrols	Promising
12	Targeted campaigns (including shock campaigns)	Promising
14	Mass media campaigns	Promising
30	Prohibitive signs	Promising
36	Risk assessment (e.g. of stations, special circumstances, at risk groups or individuals).	Promising
37	Monitoring and learning from research and best practice	Promising

...D2.2 and 3.2. Assessment of suitable measure (technical and soft measures) for the prevention of suicides and trespassing.

...D2.3 New approach of soft measures for the prevention of suicides.



Measures selected: as candidates for WP5

Recommended measures to mitigate the consequences of suicide/trespassing (WP4):

Mitigation measures	Classification
Training for responding bodies and decision makers)	Recommended
FFCCTV (Forward Facing CCTV)	Recommended
Incident management and decision support	Recommended

...D4.1 - Consequences mitigation information reference source.

...D4.2 & D4.3 - Information, situation management and decision support platform, including functional specifications.





RESTRAIL-Pilot tests in Europe

Societal collaboration to prevent railway suicides (Sweden)

Gatekeeper programme “Train the trainers” (Germany)

Video enforcement and sound warning (Finland)

Mid Platform fencing (United Kingdom)

Education at school for 8-10 year old children (Finland)

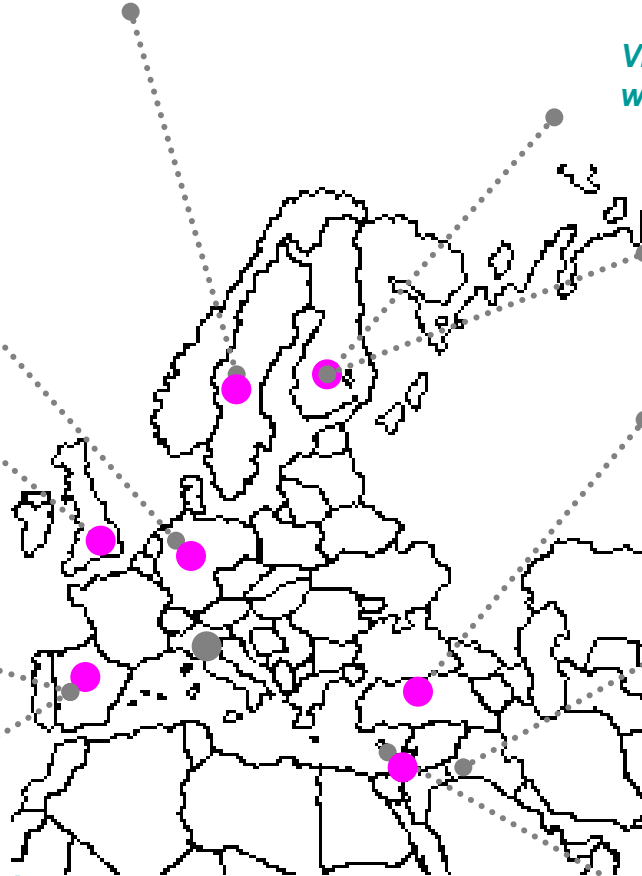
Warning signs and posters to address trespassing (Spain)

A combination of preventing measures: Anti-trespass panel, fences, warning signs...(Turkey)

“Railway Safety Museum Education programme for Children, Young people and Families” (Spain)

Training of police and legal entities in rail incident response arrangements (Israel)

Forward Facing CCTV (Israel)





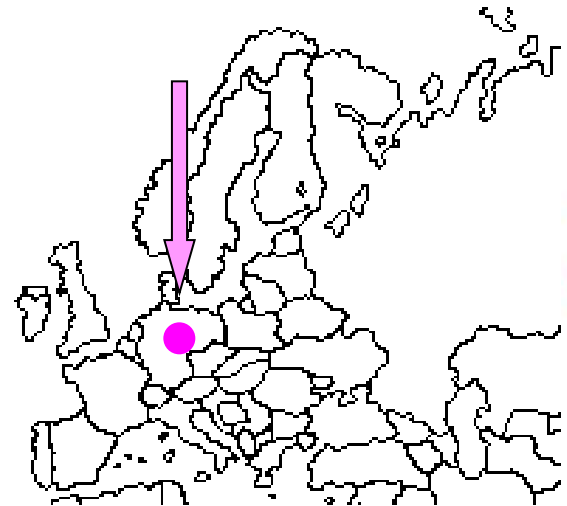
Measures selected: description

✓ *Societal collaboration to prevent railway suicides*

- *Family of measure: M38 Local suicide plan prevention. Promising*
- *This measure consists of a collaboration among involved stakeholders at the threat of suicide or trespass. When there is report of a person in the track area a **collaborate emergency plan** is activated. The collaborators gather to perform search and rescue.*

*When the person is found and if his or her intention was to use the railway to **commit suicide** the person is handed over to the psychiatric health care.*

- *The implementation site is the **southern region of Sweden** (Skåne county).*

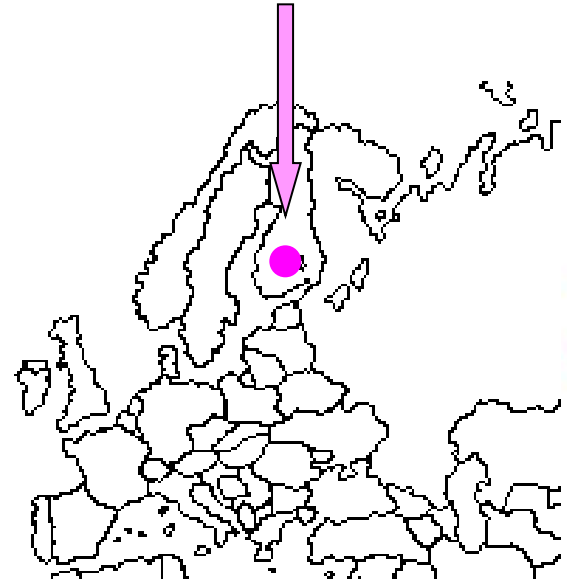




Measures selected: description

✓ *Video enforcement and sound warning*

- *Family of measure: M7 Detection system combined with sound warning: Recommended.*
- *This measure consists of **monitoring a location** where trespassing is frequent, **by video camera with motion detector**. When a pedestrian approaching track is detected, he/she is given a warning by loudspeaker.*
- *It will be implemented **in Finland**, two location in southern Finland.*





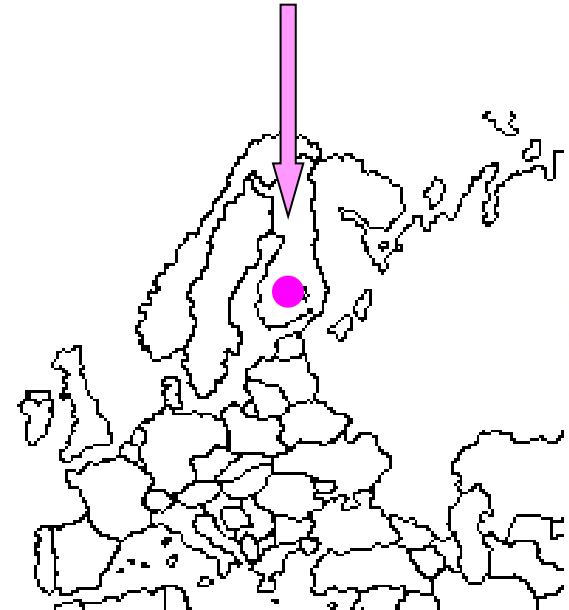
Measures selected: description

✓ *Education at school for 8-10 year old children*

- *Family of measure: M13 Education and prevention in schools and outside of school. Recommended*
- *The measure consists of giving a **45 minutes lesson** about safe behaviour in railway environment, directed to school children in age group 8-10 years and schools are close to railway.*

The content of the lesson are being defined together with Finnish Transport Agency and from the Finnish Transport Safety Agency.

- *It will be implemented in **Finland**.*

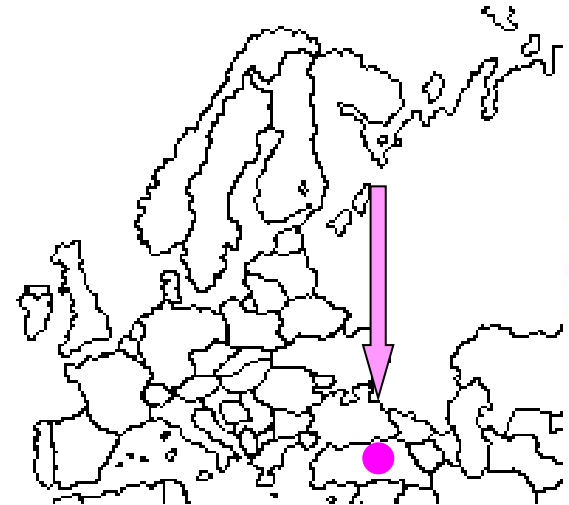




Measures selected: description

✓ *A combination of preventing measures jointly*

- *Family of measure: M26, M7, M31. Recommended*
- *A combination of preventing measures has been selected:*
 - *Cancellation of **one gate** built to permit vehicles to pass to station area by logistics issues.*
 - *A new **fence** with a locked door at the end of the platform of the station.*
 - *A **fence** at the right side from the level crossing until Aydin station.*
 - *Two **video cameras** at the station area.*
 - ***Warning signs.***
- *The implementation site is located in **Turkey**, in the city of Aydin .*

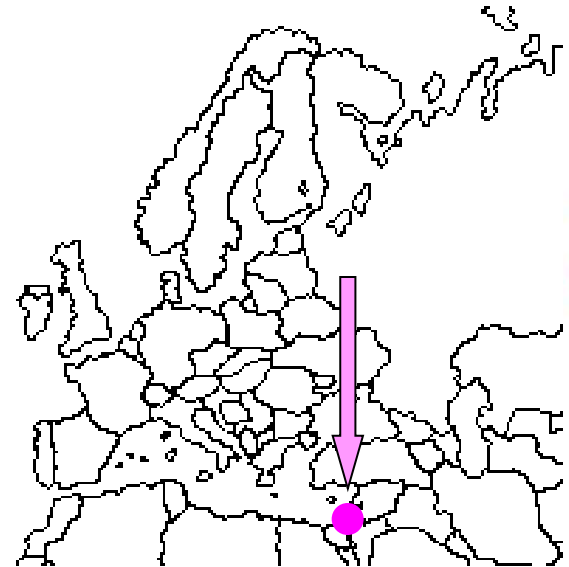




Measures selected: description

✓ *Training programmes for responding bodies*

- *This mitigation measure consists of improving the level of cooperation and site support with on and off site responding bodies – mainly the **police**.*
- *This **training** can be undertaken at any location suitable to the targeted audience in **any member state**.*
- *It could be implemented in **Israel**.*



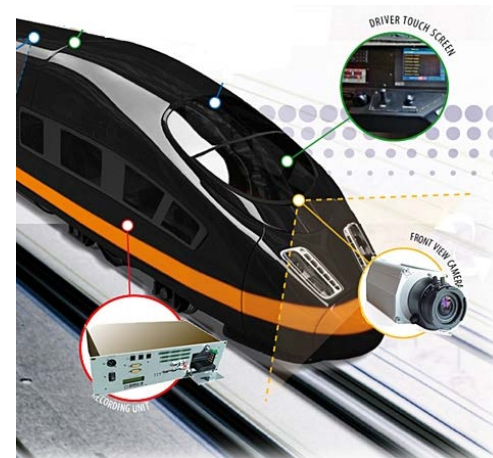


Measures selected: description

✓ Installation of portable forward facing CCTV (FFCCTV)

- This mitigation measure consists of testing a fast, easily deployable and cost-effective forward facing CCTV (FFCCTV) system, which provides visual evidence of train accidents
- The implementation site is not specified yet: *Israel* could be an option.

(Pending the railway company's agreement to on-board installation).

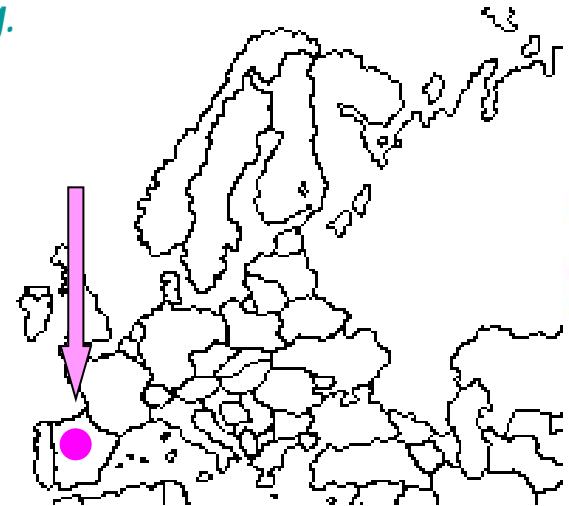




Measures selected: description

✓ *Warning signs and posters to address trespassing.*

- *Family of measure: M31 Warning signs and posters to address trespassing. Recommended.*
- *This measure will consist of a range of images/text aiming to transmit information about **hazards and punishments associated to cross illegally the rails.***
- *The implementation site will be Valladolid, Spain.*
 - ***The “Valladolid-Universidad” stopping place** located at the conventional gauge railway.*





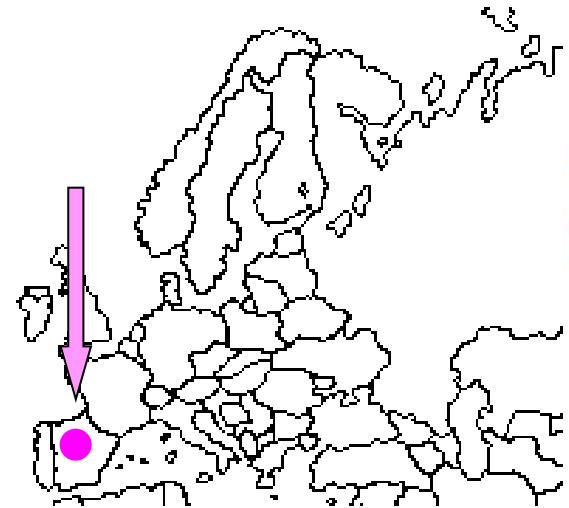
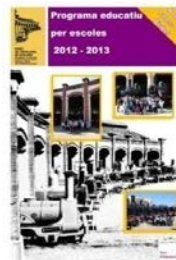
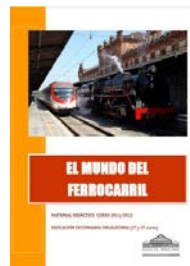
Measures selected: description

✓ *Railway Safety Museum Education Programme for Children, young people and families.*

- *Family of measure: M13 Education and prevention in schools and outside of school. Recommended.*
- *This measure consists of a railway safety education programme directed at children, young people and families.*

To positively influence on the behaviours and habits of children and young people towards acting safely around railway.

- *Implemented in Catalonia and Madrid museums, Spain.*





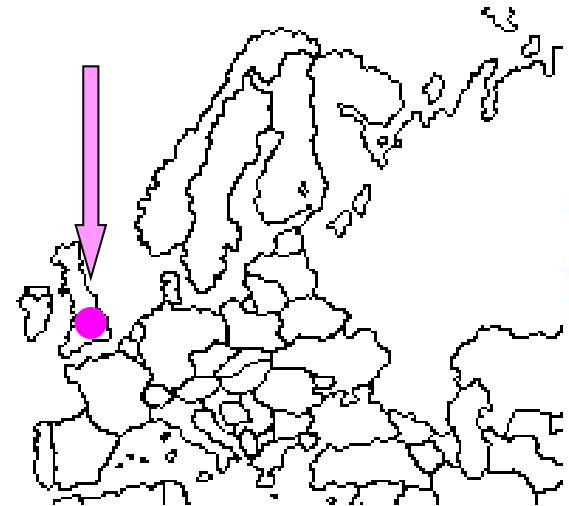
Measures selected: description

✓ *Mid Platform Fencing*

- *Family of measure: M25 Fences and barriers at specific parts of stations. Recommended.*
- *This measure consists of erecting a fencing on island platform to prevent the access to fast lines where trains are not scheduled to stop.*

This measure only targets those who choose to cross fast lines illegally and non-stopping trains.

- *It will be implemented in **England**.*

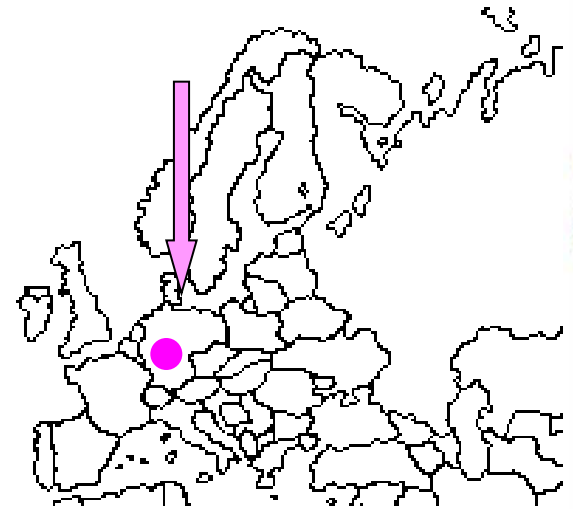




Measures selected: description

✓ Gatekeeper training course (*Educational seminars/training, taught course*)

- *Family of measure: Staff training. Promissing.*
- ***Educational seminars/training**, for railway frontline staff and individuals working in a railway environment (e.g. Police Officers, train divers, security personnel and aid organisations).*
- *This programme will be implemented in Bahhosfsmision München, **Germany**.*





Measures selected: WP5 pilot tests

✓ Technological/physical preventing measures:

- Video enforcement and sound warning.
- Mid platform fencing.
- Anti-trespass panels.
- Warning signs and poster targeted to trespassing.

✓ Mitigation measures: consequences

- Training of police and legal entities in rail incident response arrangements.
- Forward facing CCTV.

✓ Soft preventing measures:

- Education at school for 6-12 year old children
- "Railway Safety Museum Education programme for Children, Young people and Families".
- Gatekeeper programme "train the trainers".
- Societal collaboration to prevent railway suicides.

✓ Other possible measures

- Suicide Prevention Plans (sometimes referred to as PIER plans)
- Incident management and information management platform.



CONCLUSION

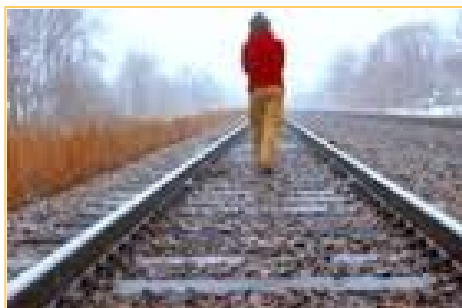
➤ *Implementation and evaluation plans for this measures will be presented briefly next!*

- *Country/responsible organisation:*
- *Brief description:*
- *Target group:*
- *Target incidents:*
- *Implementation site:*
- *Planned implementation period:*
- *Effects to be evaluated:*
- *Evaluation method:*
- *Collected variables:*
- *Planned data collection periods:*





Description of work



...THANK YOU SO MUCH FOR YOUR ATTENTION!

