



Website Report

D5.3

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Table of Contents

1 Executive Summary.....	3
2 Introduction.....	3
3 Management of the Website.....	4
4 Future Developments.....	4
List of Annexes	
Annex 1 Screen shot of an example of a Work Plan screen.....	5
Annex 2 Screen shot of the Documents page	6
Annex 3 Screen shot of the Contacts Page.....	7





1 Executive Summary

The DESTinationRAIL website www.destinationrail.eu is a crucial part of the project as it provides a “one stop shop” for easy access to all the publicly available project documentation along with information on what is happening in the project. The website incorporates a facility for anyone to request information and provides contact details for the project team. Visibility for the project is also provided by the website enabling a wide audience to access information thus supporting the project’s Dissemination and Exploitation objectives.

In addition to the above the website also provides a private space for members of the consortium to post information internal to the project, thus facilitating easy communication between the partners.





2 Introduction



The website was designed and built by ZAG following discussions with the Executive Board. The website went live at the end of May 2015 as planned. Currently the website contains the following headings;

- Work plan: this provides a summary of each of the Work Package tasks.
- Partners: this provides a list of all the members of the consortium
- Documents: this lists all documents, presentations, newsletters etc. which have been produced by the project and which are publicly available
- Contacts: provides a link for members of the public and any other interested parties to contact the project for further information.

Annexes 1 to 3 show screen shots from a selection of pages on the website.

The website provides an important component in both the Dissemination and Exploitation Strategies by providing:

- A source of information on the project
- A library of all publicly available documentation
- A one stop shop for anyone wishing to contact the project for further information
- Visibility for the project to a wide audience.





3 Management of the Website

The website is managed by ZAG which has a large in house web development and marketing department. Documentation along with other relevant and interesting information is provided by project Work Package Leaders to ZAG (Dr. Stanislav Lenart) for uploading to the website. The provision of regular updates including presentations given by the team along with issues of the Newsletter and information from the Work Packages including photographs and scientific papers will help to keep the website “fresh”.

In order to assess the use of the website a tool has been employed to monitor website traffic with the results being provided on a 4 weekly basis to the Work Package 5 leader for review and action if necessary. The data is collated and presented to the Executive Board on a 6 monthly basis. These results will be used to determine whether any changes need to be made to the website to improve its use and attractiveness.





4 Future Developments


It is anticipated that the website will grow as the project progresses in line with Deliverables and Milestones being met which will provide input under the various website headings as described in the introduction.

The regular reviews of the website traffic carried out by the Work Package 5 leader and the Executive Board may lead to changes in the website which will also be driven by direct feedback via the contact facility on the website. It has already been agreed to add to the banner headline a “News” heading to allow for articles to be posted on project events.

Following the Final Conference of the project, the conference presentations will be uploaded to the website which will remain live for a number of years from the end of the project. The reason for continuing to keep the website alive for a number of years following the end of the project is to ensure that the results of the project along with the implementation guidelines are easily available in order to support ongoing dissemination and potential exploitation of the project results.



Annex 1 Screen Shot Example of a Work Plan page



Home | **Workplan** | **Partners** | **Documents** | **Contact**

Workplan

The research activities are organised around five technical work packages, each organised around a core topic necessary for the complete description of the problem dynamic.

One of these, WP1, focuses on problem identification based on inspection and monitoring data, while the second work package, WP2, focuses on the assessment and modelling of the components of railway infrastructure (such as bridges, earthworks, tracks). Data from WP 1 and WP 2 are necessary for building an Information Management System and Risk Assessment Tool, which are part of WP 3. The main objective is to develop a Decision Support Tool, which will help IMs to develop sustainable and economic maintenance, plans. Development of several innovative construction technologies for railway infrastructure rehabilitation and assessment through whole life cycle cost and environmental impact tool are covered in WP4. Management (WP 6) and dissemination and integration activities (WP 5) complete the work plan.

WP 1: FIND

Concept: How do we locate and identify risky assets before they fail?
Idea: FIND - Using a combination of remote monitoring and expert judgement including:

Improved Assessment - Recognising that visual assessment is an established part of the management of networks the project will develop new and existing concepts and test methods used in other domains for the management of assets. These will include the use of:

- drones to remotely monitor the condition of a soil or rock slopes
- Ground Penetrating Radar (GPR) to detect anomalies such as ballast pockets due to depression, animal burrows and the distribution of water content.
- in-built sensor technologies to determine dynamic properties of railway tracks, locate hot spots for adverse track deterioration, sources of annoying environmental vibration emission and areas where adverse track response at increased train speed can be expected.
- A vibration based assessment method for monitoring the distress experienced by a structure when subjected to scour will be developed.
- Smart autonomous wireless sensor networks

Tasks:

Task 1.1 Inventory of Problems
Task 1.2 Location of Hotspots
Task 1.3 Monitoring of Switches, Crossings and Tracks
Task 1.4 Monitoring of Earthworks
Task 1.5 Monitoring of Structures

WP 1: Find

How do we locate and identify risky assets before they fail?

WP 2: Analyse

How do we determine the real-time safety of existing infrastructure?

WP 3: Classify

How do we determine the level of safety and assign scarce resources?

WP 4: Treat

How do we choose the optimal rehabilitation technique?

WP 5: Integration and Dissemination

Ensure that the outputs from the Destination Rail project will be implemented in the practice of infrastructure management within and beyond the life of the project.

WP 6: Management

The management structure of the Destination Rail project is designed to provide a professional scientific and administrative project management environment for the project.



Annex 2 Screen Shot of the Documents page

DESTINATION RAIL
safer, reliable and efficient rail infrastructure

Home · Workplan · Partners · Documents · Contact

Documents

In this section you can download documents produced during DESTINATION Rail project:

- **DESTINATION RAIL Newsletter Issue 1**
26.6.2015, PDF, 485 KB

Access to private project AREA

Credentials

Please contact project coordinator to get username and password to access private area.

Access using web browser

To access project private area you can use you web browser.
Address to access files is:
<http://ftp.zag.si:5000>

To use the full featured web access, you will need the newest web browser, Java and Flash Player.

- **Browsers:** Internet Explorer 8 or later, Firefox 3.6 or later, Safari 5.0 or later, Chrome; with JavaScript enabled
- **Java (for browsing folders on the local computer):** Java Runtime Environment (JRE) 5 or onward
- **Flash:** Flash Player 9.0.28 or onward

Access using FTP protocol

Configure your favorite ftp client with server: <ftp://ftp.zag.si>





Annex 3 Screen Shot of the Contacts Page

DESTINATIONRAIL
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Home | Workplan | Partners | Documents | Contact

Contact

We'd love to hear from you with any queries you have about the DESTINATIONRAIL project.
Please contact us using the form below:

Contact form

name*:

company:

email*:

phone:

contact purpose*: General ▼

subject*:

message*:

* mandatory fields

Contact us

Scientific contact:
Kenneth Gavin

Administrative manager
Carla Marina

