STARS

SATELLITE TECHNOLOGY FOR ADVANCED RAILWAY SIGNALLING

D7.3 The project leaflet n°2

Project acronym:	STARS
Project full title:	Satellite Technology for Advanced Railway Signalling
EC Contract No.:	(H2020) 687414

Version of the document:	03
Protocol code:	STR-WP7-D-UNI-007-03
Responsible partner:	UNIFE
Reviewing status:	Final
Delivery date:	26/11/2018
Dissemination level:	PUBLIC

European Global Navigation Satellite Systems Agency

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No. 687414

CHANGE RECORDS

Version	Date	Changes	Authors
01	16.11.2018	Draft of the Deliverable	J. BERTOLIN (UNIFE)
02	17.11.2018	Revision	UNIFE
03	26.11.2018	Quality Check	RINA-C BE

TABLE OF CONTENTS

LIST OF FIGURES

1 INTRODUCTION

1.1 EXECUTIVE SUMMARY

The project leaflets are one of the main pillars of the STARS project dissemination and exploitation strategy.

The document summarizes the implementation of the 2nd leaflet describing all the main elements of the leaflet and their functionality.

1.2 DEFINITIONS AND ACRONYMS

Acronym	Meaning

2 INTRODUCTION

STARS Project leaflets are developed and published to disseminate and promote the project during the attended events. Throughout their distribution in public events and congresses, the STARS consortium envisages raising public awareness of the STARS framework.

Two project leaflets will be produced beyond the lifetime of the project to ensure that all the relevant stakeholders of the European rail as well as the space sector are informed about STARS. This second leaflet is produced at the end of the project to highlight the main outputs of the project and their potential impacts.

The STARS second leaflet, which it is described in this deliverable 7.3, seeks to present the main achievements accomplished by the technical work packages, the main results of the project and the exported issues for continuation of work in future projects and initiatives.

3 LEAFLET STRUCTURE AND CONTENT

The STARS leaflet is designed following the colours and the appearance of the STARS logo to maintain the consistency of all the dissemination materials. It has been structured merging text together with graphs to make easier the reading of the brochure as well as facilitate the access to the information.

A portrait orientation and A5 size has been selected from all the possible formats to facilitate the portability and the reading of the leaflet. Six A5 format pages are available to include all the content.

Figure 1: Leaflet Cover

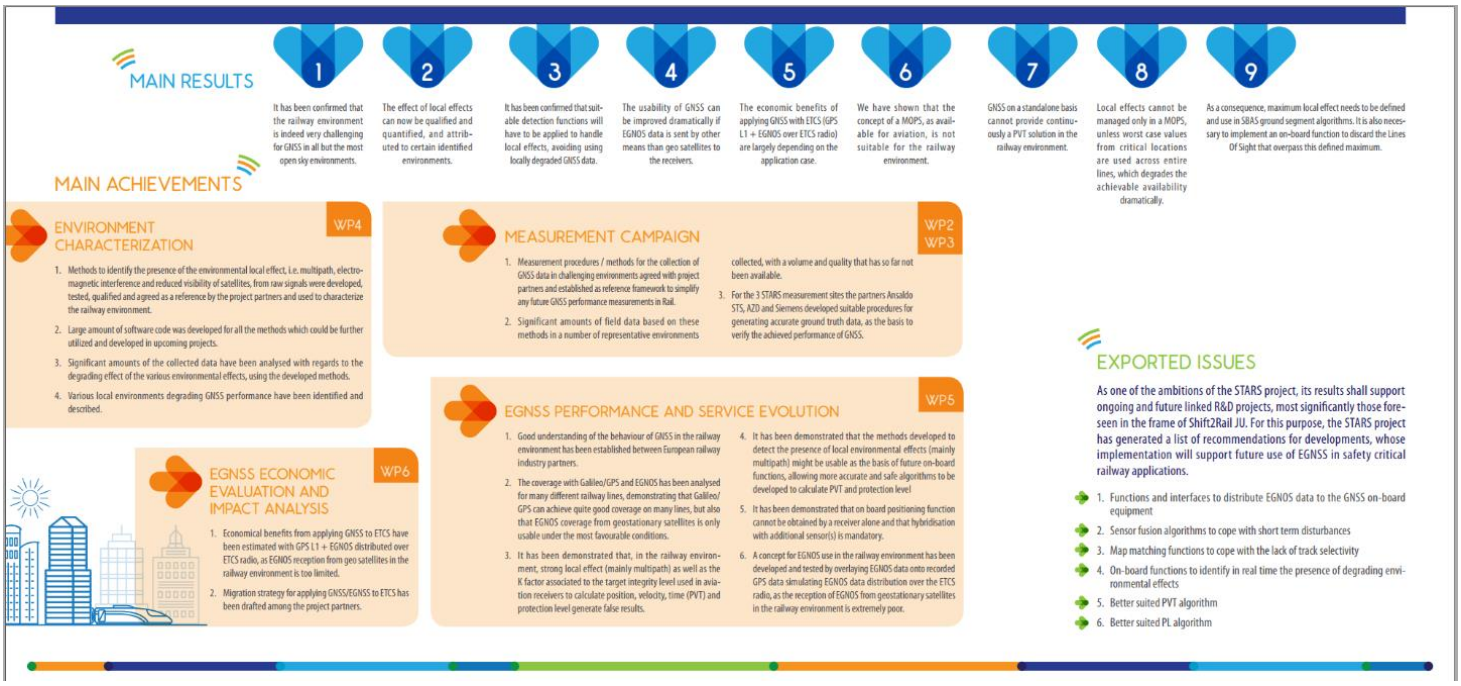

Figure 2: Leaflet Interior

4 COVER

The cover is constituted by three A5 pages. The front and back pages will be visible when the brochure is completely folded whilst the third page will be the first interior page visible when the front cover is opened. This part of the brochure contains the foreword and general information with regards the project and the consortium. The front page is used essentially as leaflet presentation and it contains apart from the logo and the name of the project, an attractive picture to catch the attention of the reader.

Figure 3: Leaflet Front Page

The back page contains general information of STARS such as the contact point of the coordinator and partners represented by their Logo. The website of the project is also included to access to additional information or contact the project.

Figure 4: Leaflet Back Page

The third page of the cover includes the foreword that introduce the STARS project, summarizing the origins, scope and main goals. At the end of the foreword a summary of 2nd leaflet's content is included to present the reader the information that it is going to be found in the interior of the leaflet.

FOREWORD

Applications of Global Navigation Satellite System (GNSS) in Railways are become more and more frequent. So far, the focus has mostly been on non-safety related applications, such as in passenger information systems and for freight logistics, which are typically not standardised. When moving GNSS application into the domain of safety, such as for train control systems, a much better understanding of GNSS behaviour is needed.

STARS consortium constituted by 17 partners across Europe with partners from Space and Railway sector are working together to fill the gap between ERTMS needs for safety critical applications and GNSS services, through a characterisation of the railway environment and of GNSS performances assessment in that environment.

The STARS project aims to help the improvement of ERTMS through the application of GNSS, which shall lead to significant economic benefits through reduction of trackside equipment, reduction of maintenance, increase of availability and performance. The application of GNSS shall also make ERTMS more competitive in comparison with competing systems in the world market, leading to increased business opportunities for the European signalling and space industry.

This leaflet summarizes the main achievements and results of the project and proposed further activities for continuing the work in future linked R&D project to pave the way for the safe satellite positioning on railways. Additional and more extended information with regards the achievement, results and recommendation for the continuation of the work could be found in the STARS Final Book.

Figure 5: Leaflet Foreword

5 INTERIOR

The interior includes the more relevant and interested information for the main stakeholders of rail and space sector, main achievements, main results and exported issues. The main achievements are classified by the four technical topics of STARS:

1. Measurement campaign,
2. Environment characterization
3. EGNSS performance and service evolution for safety railway applications
4. Economic analysis and EGNSS implementation plan for railway application.

A list of the main results and the exported issues for continuation of the work done in STARS for future projects are also included in the interior of the leaflet.

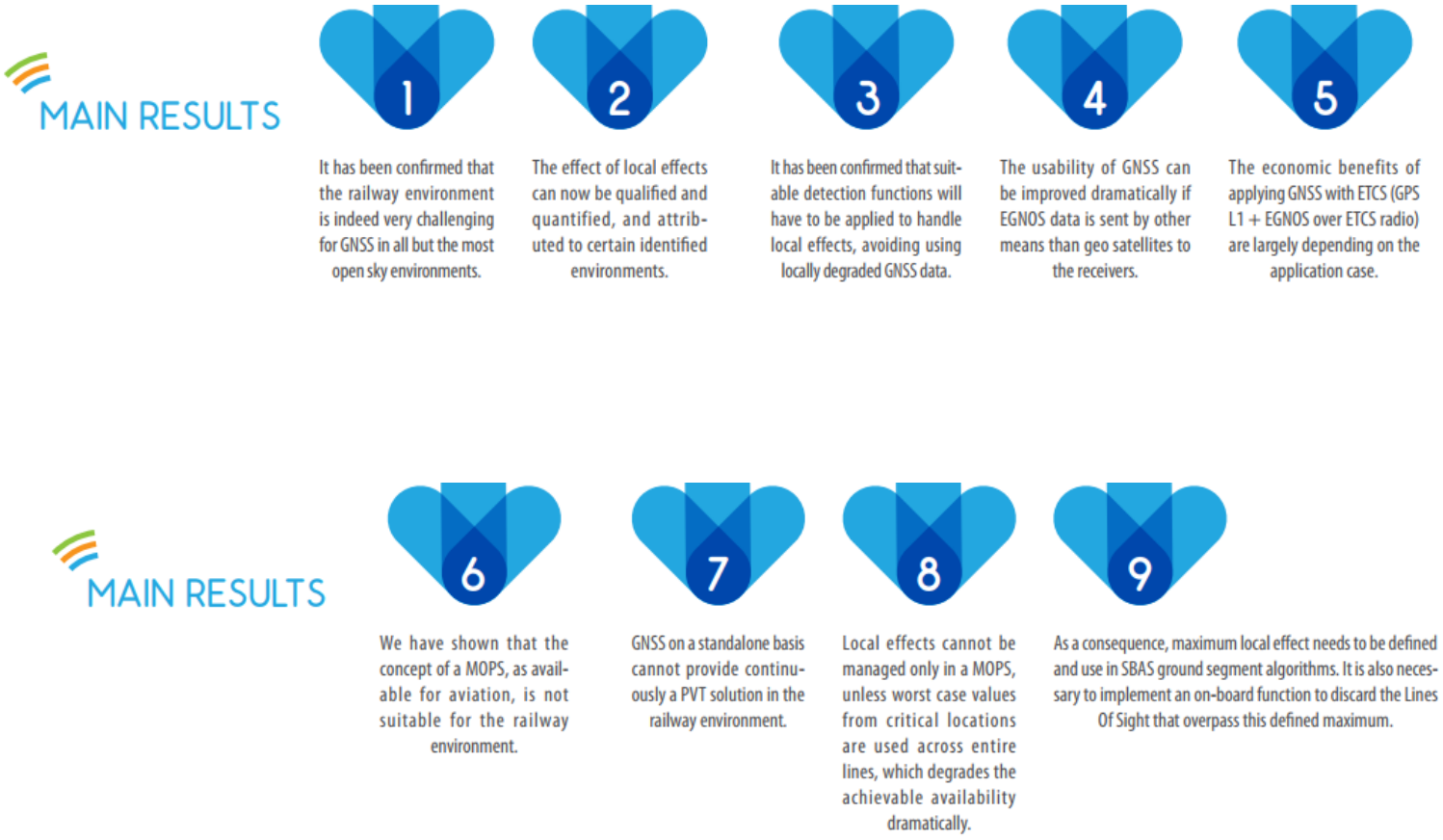

Figure 6: Main Results

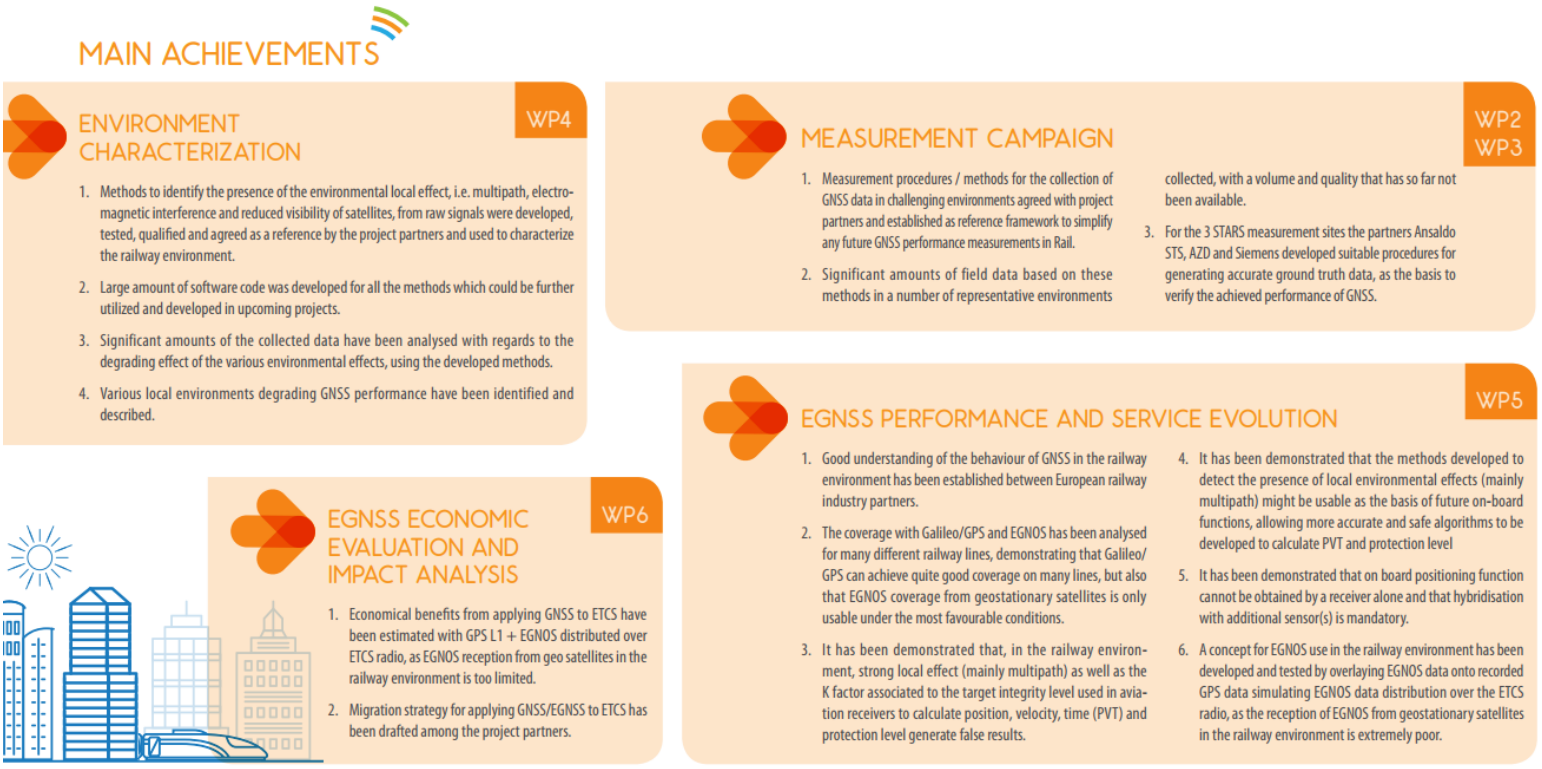

Figure 7: Main Achievements

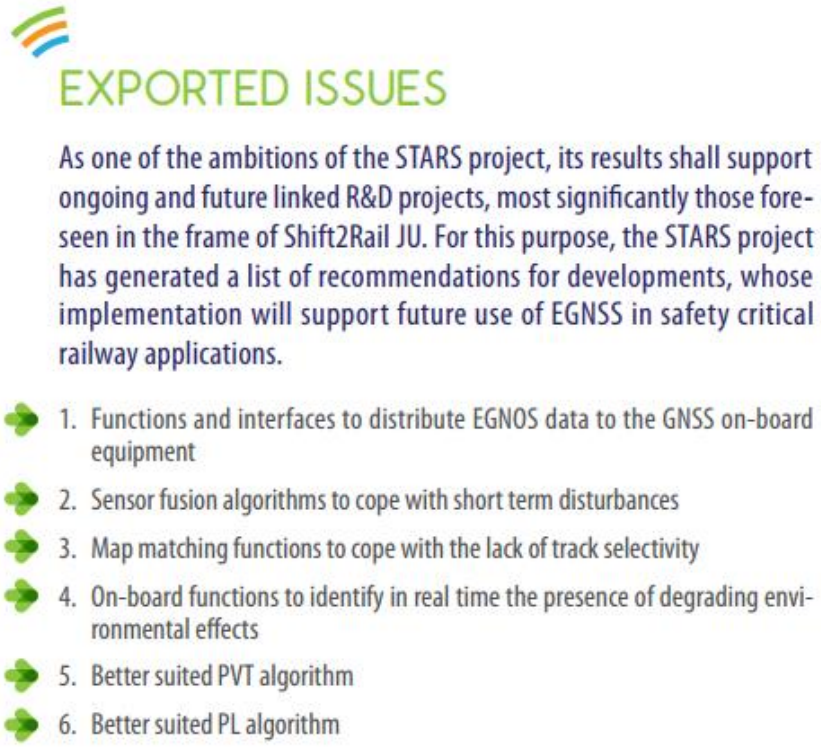

Figure 8: Exported Issues