

Motivation

- Global Navigation Satellite Systems (GNSS) have a significant potential in the development of Intelligent Transport Systems (ITS) and mobility services.
- The road sector is estimated to represent more than 50% of the GNSS market and 75% when we consider the personal mobility services.
- Current lack of a certification process underpinned by agreed standards is impeding the realisation of the expected benefits.
- The high influence of operational and environmental conditions brings complexity to the definition and assessment of GNSS performances.
- Standardisation activities have been initiated in Europe on this topic but many scientific issues are still open and require a common roadmap.



SaPPART - TU 1302 is a COST Action from the TUD (Transport and Urban Development) Domain.

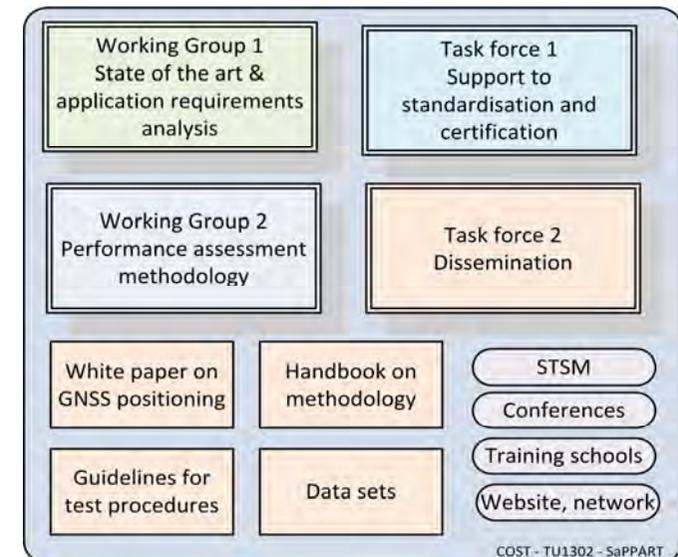
Objectives

- **To develop a framework** for the definition of service levels for GNSS based positioning terminals used in Intelligent Transportation Systems (ITS) and personal mobility applications, and the associated examination framework for certification purposes.
- **To promote** high-level educational and training programmes in the fields of GNSS, GNSS-based ITS and personal mobility applications.
- **To encourage** the use of GNSS in general, and EGNOS and Galileo in particular, in the ITS and personal mobility domains to facilitate their common long-term development and deployment in Europe.

Activities

- **Research:** extracting maximum value from the main projects that address the use of GNSS in the road sector.
- **Networking:** linking the research community and the main stakeholders to standardisation bodies to create core competence of GNSS positioning in Europe.
- **Training:** organizing a high-level modular education and training programme, with the aim of raising the ITS stakeholders' awareness and understanding of GNSS-related issues.
- **Supporting:** European-related legislation activities (ITS Action Plan, Digital, Tachograph, e-Call...).

SaPPART organisation



SaPPART: Working Groups and Task Forces

Added Value for Partners

SaPPART is a network of experts in ITS and GNSS, and offers to its members a direct access to:

- valuable bibliographical resources including selected scientific references,
- up-to-date information on European standardization and certification activities,
- software applications for the assessment of GNSS performance in operational conditions,
- reference datasets,
- test facilities and vehicles equipped with high-end navigation systems.

Members of SaPPART are invited to exciting networking activities including workshops, training schools and special sessions organized during Europeans ITS & GNSS.



Join the Action

- ◆ COST Actions are open to European and partner countries.
- ◆ If the topic is relevant to you and your organisation, you are welcome to play a part in SaPPART activity.
- ◆ Each eligible country can apply for a maximum of 2 seats on the management committee. However, participation in the working groups is open.
- ◆ Workshops and training schools will be organized from 2014 to 2017. You are invited to participate in these events.

Contacts:

François Peyret (Chair)

IFSTTAR - GEOLoc Laboratory, France
francois.peyret@ifsttar.fr

Pierre-Yves Gilliéron (Vice-Chair)

EPFL - TOPO Laboratory, , Switzerland
pierre-ves.gillieron@epfl.ch



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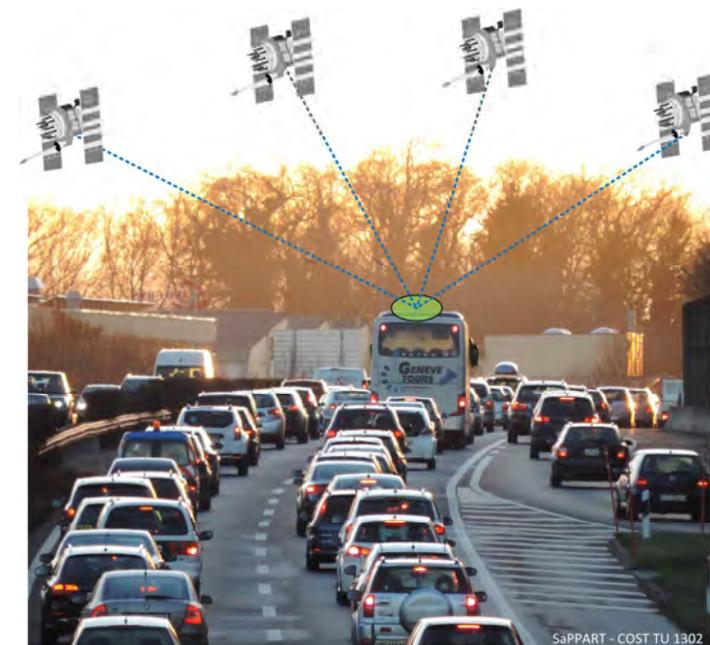
ESF Provides the COST
Office through an EC



SATELLITE POSITIONING PERFORMANCE ASSESSMENT FOR ROAD TRANSPORT



COST Action TU1302



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2013— 2017