

Short overview on FOT support actions

FESTA - Methodology for FOT

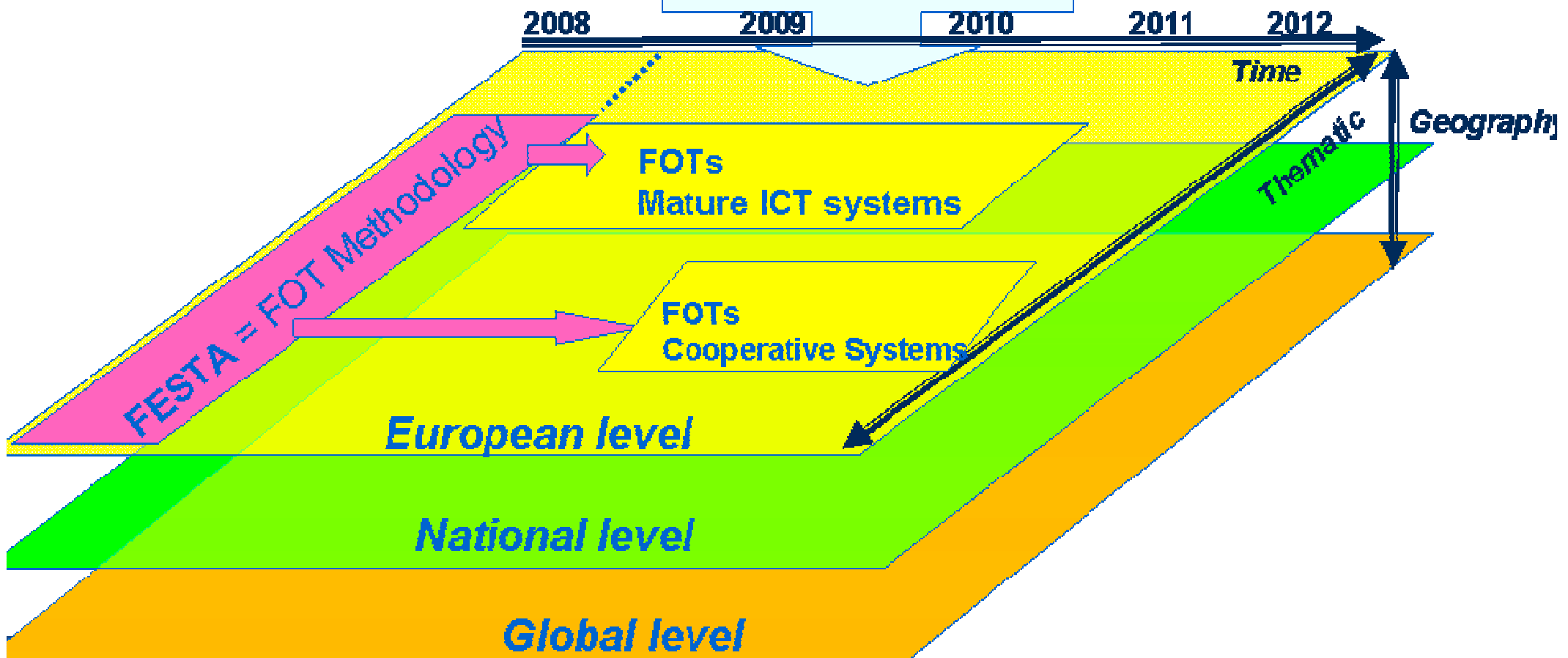
FOT-NET - Networking platform for FOT stakeholders



FOT = Field Operational Tests

FOT-Net Networking & Implementation

- FESTA results implementation
- FOT networking
- International cooperation
- Dissemination & Awareness

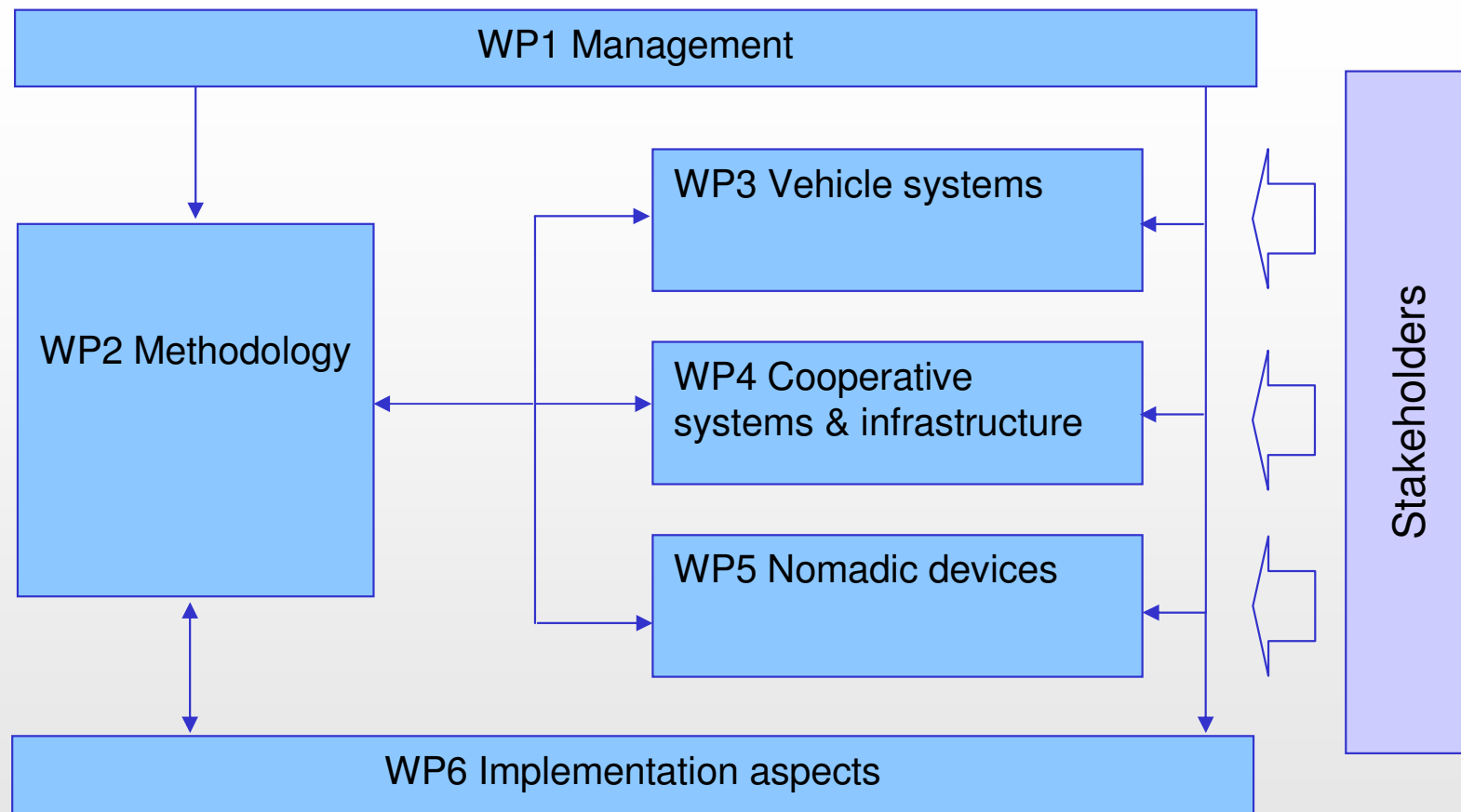




- FESTA develops a common methodology and guidelines (handbook) for future European FOT

- This handbook will allow :
 - ▶ Faster setting up of FOTs
 - ▶ Robust impact assessment;
 - ▶ Comparable results;
 - ▶ Save effort by avoid duplication of work especially on methodology
 - ▶ Reuse of tools, equipments, etc.
 - ▶ Establish a common European Vision of FOTs

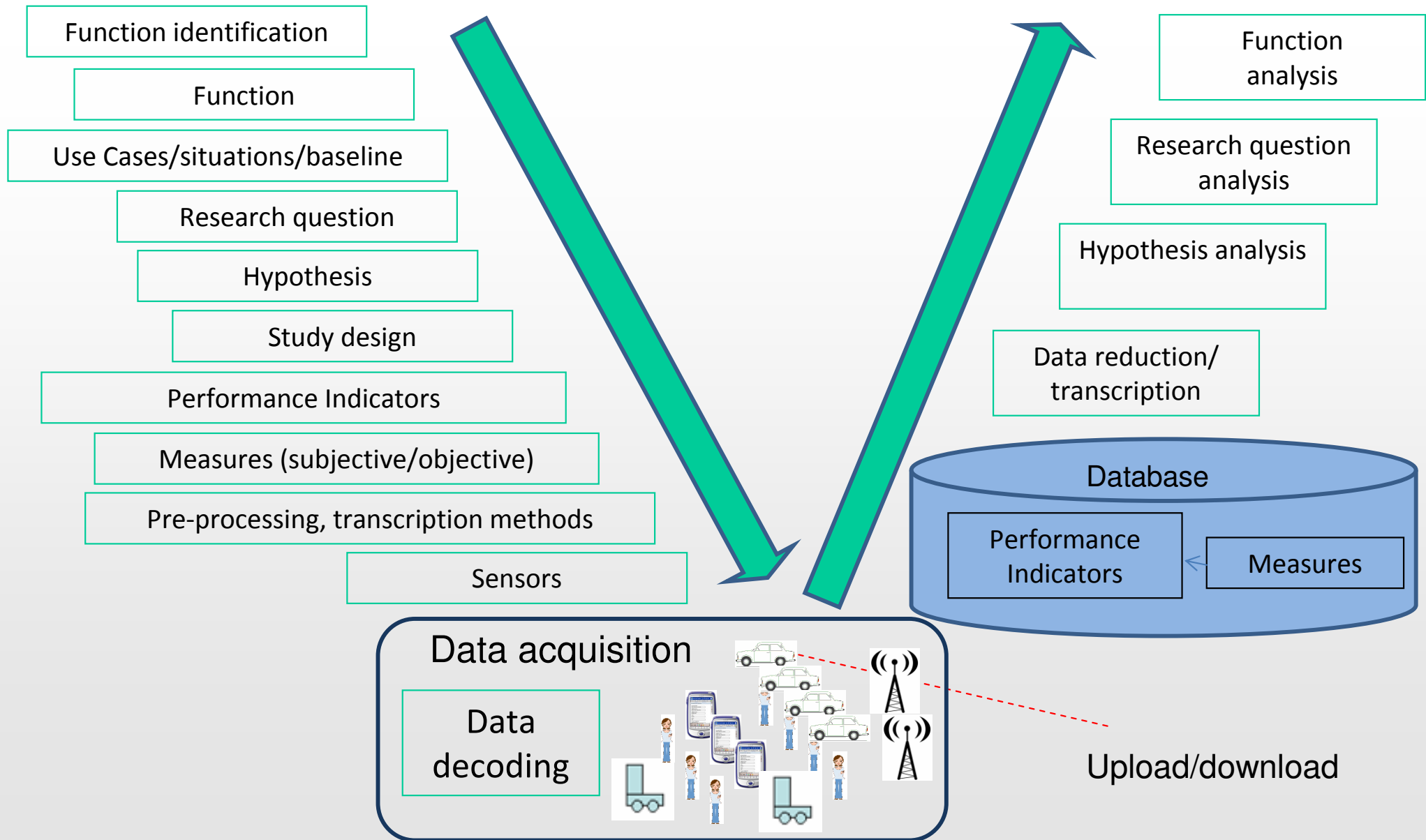
Project Structure





- Performance Indicators
 - ▶ to describe and compile performance indicators aimed at describing traffic safety, efficiency, impacts on the environment, driver behaviour and driver acceptability
- Data acquisition, storing, analysis
- Experimental Procedures
 - ▶ to provide guidance on the overall experimental design of FOTs in order to ensure experimental rigour and scientific quality
- Data Analysis Methods
 - ▶ Structured analysis and modelling of the data is required to properly assess the impact of the systems tested on driver performance, behaviour and safety Data Analysis
- Implementation Plan
- Socio-economics impacts

Detailed FOT-chain





1. Autonomous in-vehicle systems
2. Cooperative Systems
3. Nomadic Devices

Activities:

- Process for Selection of Use cases
 - ▶ Technology aspects
 - ▶ User/application aspects
- Process for Identification of benefits & shortcomings to be tested in an FOT with focus on safety, environment, mobility, efficiency
- Process for Potential behavioural effects and risks
- Define a common vision and provide input for adaptation of methodology, testing conditions and expected results



- Executive Summary - 3 pages**
- Guidelines for the implementation of FOTs (10 pages)**
- Legal and ethical issues in the execution of FOTs (5 pages)**
- Types of ICT functions considered (18 pages)**
- Performance indicators (10 pages)**
- Experimental Procedures (10 Pages)**
- Requirements and guidelines for data handling (15 pages)**
 - Data acquisition**
 - Data storage**
 - Data analysis tools**
- Robust statistical procedures for data analysis (10 pages)**
- Scaling up (5 pages)**
- Related cost-benefit analysis (10 pages)**
- Conclusions (3 pages)**
- References**
- Annex 1.**

FOT-NET Support Action



Networking platform for FOT
Stakeholders

Overall objectives of the project

Involve all FOT stakeholders

- Establish a European networking body for National, European and Global FOT activities where all stakeholders from public and private sectors are represented.

Promotion the implementation of a common FOT methodology (FESTA results)

- Improve significance, visibility, comparability and transferability of available FOT results at National and European level by

FOT Networking and cooperation

- **Maintain a catalogue of the National and European FOT activities**
- **Regular stakeholders workshops on FOT activities and methodology harmonisation**
- **International workshops on FOT planned in NY (2008) and Japan (2009)**
- **Output a common FOT roll-out plan to support coherent development and implementation of FOTs in Europe at national and EC level**

FOT Implementation support (WP3 - TNO)

- Focus on dedicated actions that are needed to implement FOTs in Europe
- Hold a series of seminars for promotion of a common FOT methodology based on the FESTA outputs

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2008 2009 2010 2011 2012

Time

Thematic

Geogr

FESTA = FOT Methodology

**FOTs
Mature ICT systems**

**FOTs
Cooperative Systems**

European level

National level

Global level