



# CAPITAL its-elearning.eu

SUITS Conference – 21<sup>st</sup> November 2018 – Coventry  
Monica Giannini - ERTICO

# What is CAPITAL

CAPITAL is a project funded by the European Commission

The aim of CAPITAL is to deliver a collaborative capacity-building programme for the public and private sectors in the field of (Cooperative) ITS deployment.

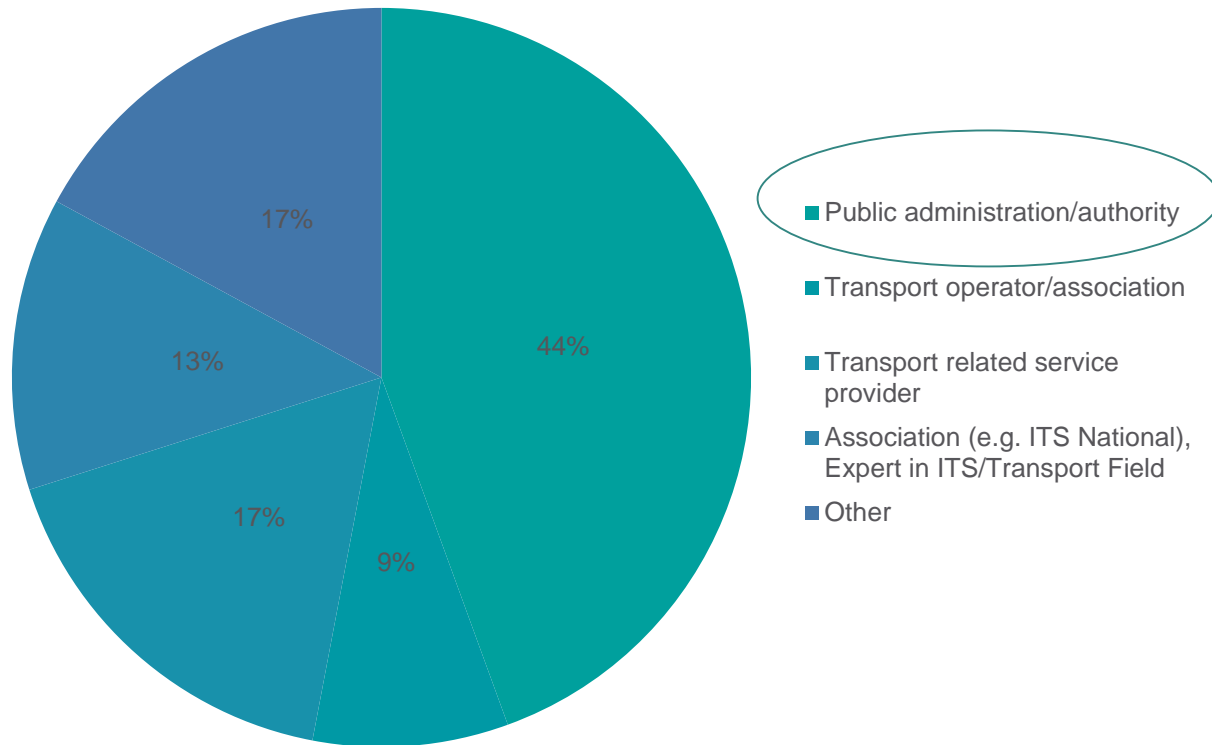
# **Why capacity building on ITS and C-ITS**

# Identification of capacity needs

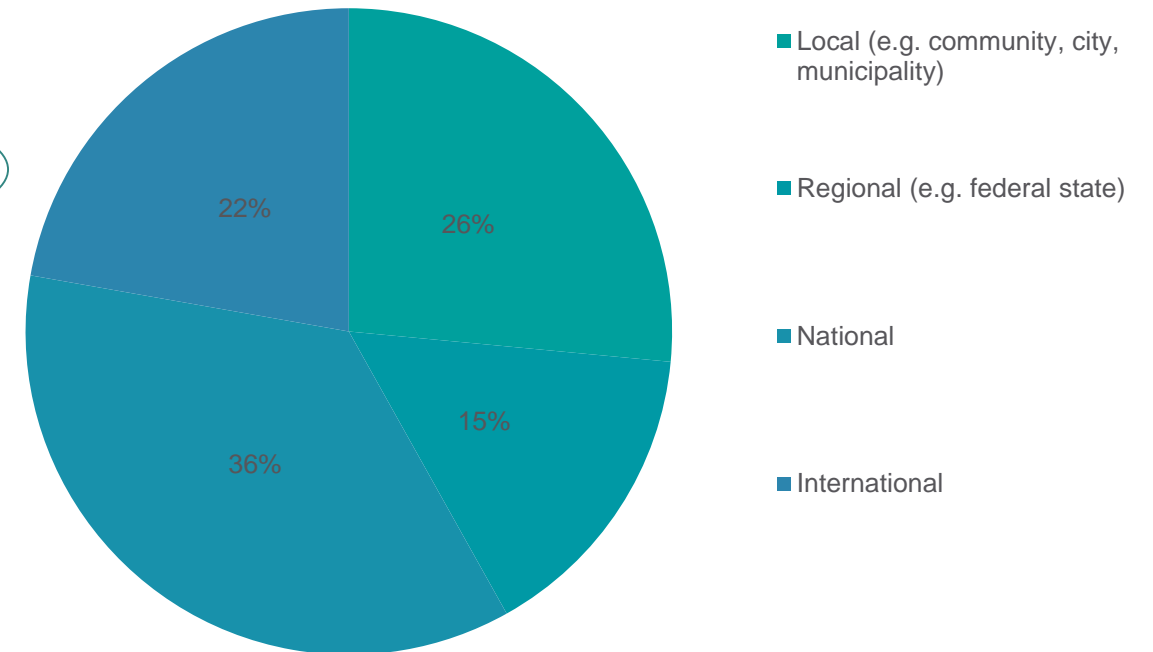


# Identification of capacity needs

Distribution of stakeholder groups



Regional level the organisations are working at:



# Identification of capacity needs

- **Public authorities are the main target group**
- The training programme should focus on the main priority topics, which are: “**Access and Management of Data**”, “**C-ITS**”, “**Passenger Transport Services**”, “**Traffic Management and Network Control**” and “**Traveller Information Services**”.
- **Best-practice cases, evaluation methods and cost-benefit analysis** of ITS services should be included in the training. Furthermore, training on **procurement issues** for innovative solutions and **business-models for ITS** services should be included in the CAPITAL training programme.
- **A combination of** easy to access and flexible **online training possibilities** (including online courses and webinars) **and face-to-face training** possibilities (as workshops and on-site visits) is needed.

**How is CAPITAL  
filling the gap?**





**Assess the  
capacity needs  
and knowledge  
gaps**

**Develop a  
community  
engagement plan**

**Provide tools and  
methods to fill the  
capacity gaps**

**Set up a new  
concept for a  
sustainable and  
long term  
engagement**

E-learning platform

Transferability  
Handbook

Face-to-face  
workshops



# Active engagement of targeted stakeholders



# Tool #1: E-learning platform

## www.its-elearning.eu



CAPITAL Project

All Courses Sign in Register Now

### CAPITAL Online Training Platform

Learn about ITS at your own pace with courses tailored to your needs and expertise.

Improve your skills and advance your career - Gain access to the wider ITS community - Help shape and develop the future of ITS

[START LEARNING](#)

#### ITS002: ITS and C-ITS user services

[Enroll](#)

Learn about interoperability, testing and certification of ITS and C-ITS services.

Length:	3 weeks
Effort:	2-3 hours per week
Price:	Free
Institution:	SPICE consortium
Level:	Advanced
Languages:	English
Video Transcripts:	English

[Enroll](#)

#### You'll learn

- ITS and C-ITS services for professional drivers
- How these services work
- What is needed for cooperation of C-ITS services between professional and non-professional drivers
- ITS and C-ITS services for non-professional drivers
- How to build user acceptance of these services among non-professional drivers
- The best way of communicating the benefits of ITS and C-ITS to the general public

#### Meet the instructor



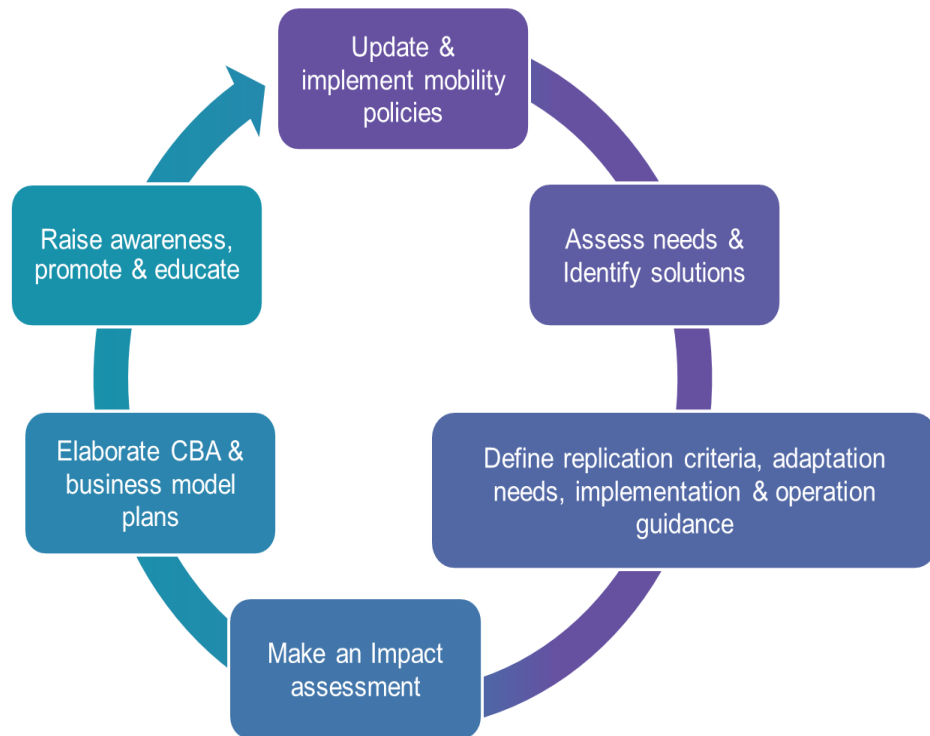
##### Monica

Monica is Senior Manager at ERTICO. She has a master degree in Electrical Engineering with a specialisation in Control Automation. Before joining ERTICO she has worked in private companies in the field of industrial automation and ICT for public transport. She also coordinated activities of research and innovation for the International Road Transport Union in Brussels. With several years of work on the field Monica has developed her experience in ITS and C-ITS through collaboration with public and private stakeholders on multimodality, ICT platforms for mobility, routing, planning, ticketing and payment systems.

#### About this course

This online training course focuses on cooperative intelligent transport systems (C-ITS) user services. It provides a concise and clear overview of the existing and new C-ITS services designed for not only professional drivers, but also for normal drivers. Here you will have a chance to learn the benefits and challenges of these services. This training also offers some succinct insight on cooperation and exchange of data between professional drivers and public authority C-ITS services. It looks at the issues of C-ITS user acceptance for non-professional drivers. This is a very new and therefore fast moving area of research but the module outlines work and findings to date, and gives some ideas for the future. We also cover best practice in communicating C-ITS facts and benefits in a comprehensible and attractive way to the general public.

# Tool #2: Deployment Transferability Handbook



Ref. Area(2018)4044483 - 31/07/2018



Grant Agreement Number: 724106

Project acronym: CAPITAL

Project full title: Collaborative cAPacity Programme on Its Training-educAtion and Liaison

**D2.3 ITS deployment transferability handbook**

Due delivery date: 01/09/2017 (inception report changed to 01/03/2018)

Actual delivery date: 31/07/2018

Organization name of lead participant for this deliverable: ERTICO-ITS Europe

Project co-funded by the European Commission within Horizon 2020

Dissemination level	
PU	Public
PP	Restricted to other programme participants (including the GSA)
RE	Restricted to a group specified by the consortium (including the GSA)
CO	Confidential, only for members of the consortium (including the GSA)



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under the European Union's Horizon 2020 research and innovation programme under grant agreement No 724106*

D2.3 Deployment transferability handbook

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Initial needs and challenges

Short description of the service(s) provided

Covered area (city, region, corridors)

Business Model

Stakeholders involved

Value in use (what is the positive impact created by the deployment of this solution)

# Tool #3: Face-to-face workshops

## Pilots training programme across EU clusters

Italy – **Mediterranean cluster**

1° Generation (Turin – 10-11 October 2017)

Finland – **Nordic cluster** – 2° Generation (6 February 2018)

Croatia – **Central Eastern cluster**

1° Generation (6-8 June 2018)

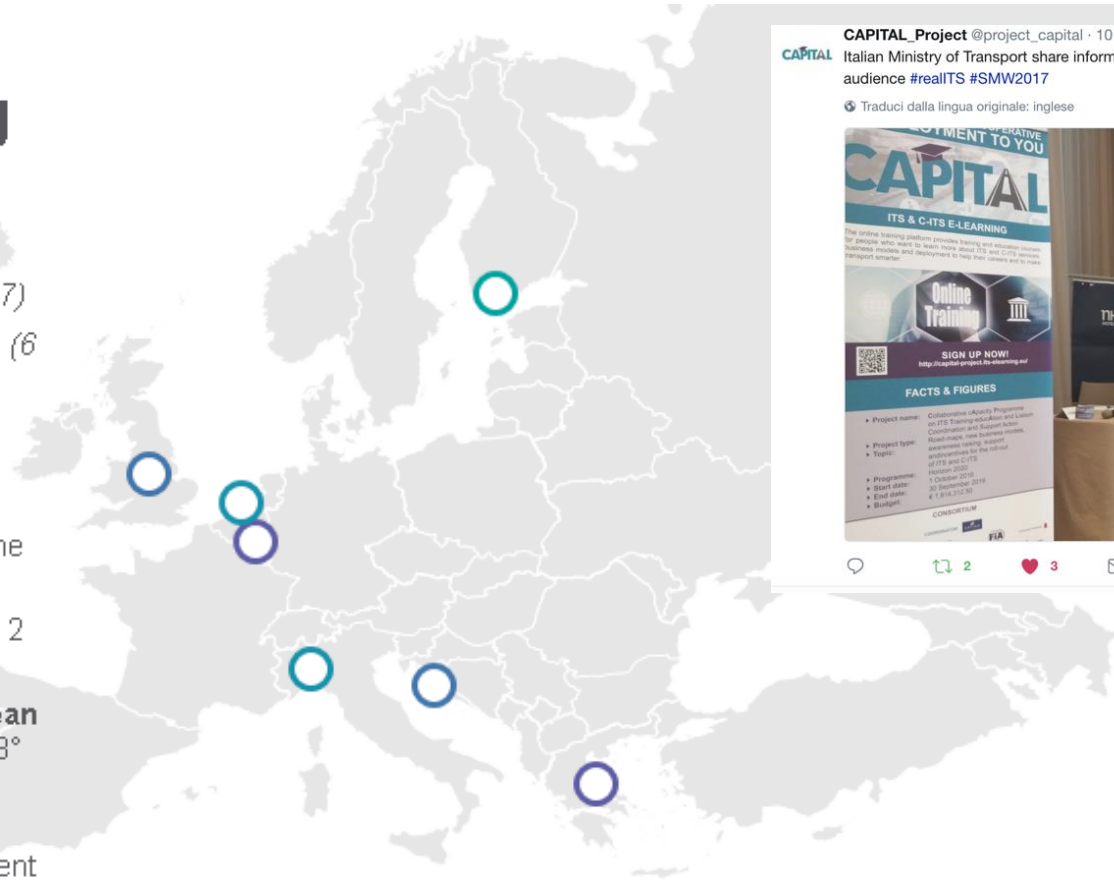
UK – **Isle British cluster**

2° & 3° Generation ITS Guidance – Train the trainee programme (October 2018)

Greece – **Balkans cluster + Turkey** 1° & 2° Generation (17-18 December 2018)

The Netherlands – **West Central European cluster** (Benelux+Germany) – Demo - 2°/3° Generation (4/7 June 2019 – Eindhoven)

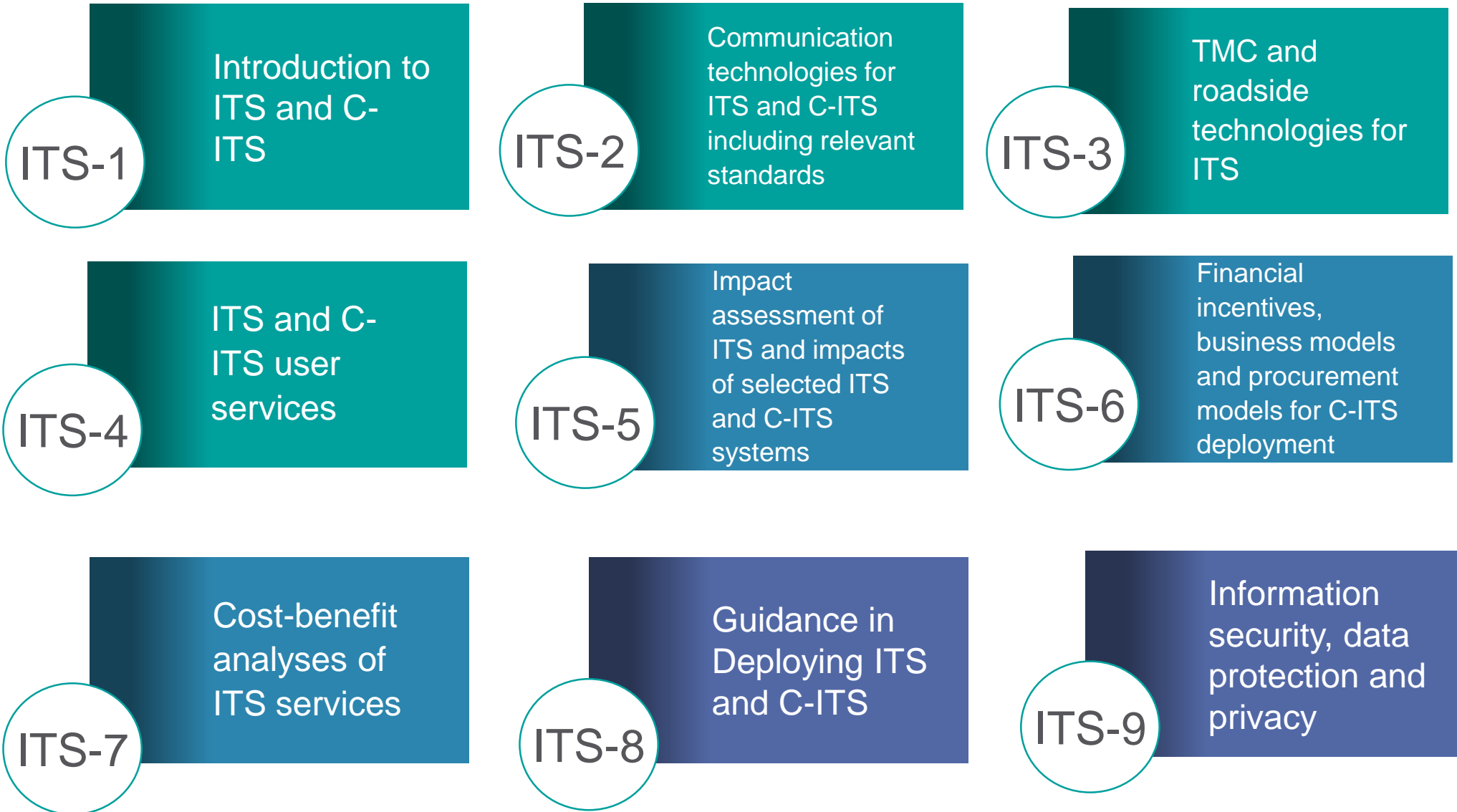
Brussels – 3° Generation ITS Guidance – **Train the trainee programme** – Final Event EC+ all clusters (September 2019)



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# CAPITAL knowledge base



# www.its-elearning.eu



## ITS001: Introduction to ITS and C-ITS

Introductory course for anyone who wants to understand the fundamentals of ITS and C-ITS.

Starts: Apr 17, 2018



## ITS002: ITS and C-ITS user services

Learn about interoperability, testing and certification of ITS and C-ITS services.

Starts: Apr 17, 2018



## ITS003: TMC and roadside technologies for ITS

Explore a C-ITS approach in the context of traffic control and management.

Starts: Apr 17, 2018



## ITS004: Standards, architectures and communication technologies for ITS and C-ITS

An overview of the benefits and challenges of existing and new C-ITS services for professional and non-professional drivers.

Starts: Apr 17, 2018



## ITS005: Impact assessment of ITS and C-ITS systems

Learn about methods for evaluating ITS and C-ITS.

Starts: Apr 17, 2018



## ITS006: Financial incentives and business and procurement models for C-ITS deployment

Learn about stakeholder perspectives, governance schemes and data exchange.

Starts: Apr 17, 2018



## ITS007: Cost-benefit analyses of ITS services

Learn the main concepts for carrying out a cost-benefit analysis for the deployment of C-ITS services.

Starts: Apr 17, 2018



## ITS008: Guidance in deploying ITS and C-ITS

Introducing policy frameworks, implementation strategies and road maps for ITS and C-ITS.

Starts: Apr 17, 2018



## ITS009: Information security, data protection and privacy

Developing applied tools for privacy and data protection in C-ITS.

Starts: Apr 17, 2018



## SPICE: Public procurement of Innovation in Transport

from a joint collaboration between CAPITAL and the SPICE project

Starts: Aug 31, 2018

**CAPITAL\_Project** @project\_capital · Apr 5  
Soon #mooc #ITS #eLearning #DuctTape

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# Who uses the platform

*“As an associate professor I am teaching ITS myself at the university, and I want to have a look at this online training platform”*

*“I am currently working as a Traffic Officer of Signals (Programming and Data regarding the operation and control of junctions). I Would love to have a better understanding of ITS and C-ITS. So I can apply to my area and be able to explain and inform others. ”*

*“Sharing best practices about C-ITS” (A city representative)*

*“I think it's a great initiative and I want to try it” (Representative of a Port Authority)*

*“I am currently developing solutions for ITS in Brazil and I am looking to improve my knowledge to improve my performance.”*

*“This could be very useful for my work with investors” (consultant)*

# Set up a new concept for a sustainable and long term engagement



**Test the  
concept elements  
and collect feedback**

**Develop an exploitation  
and sustainability plan  
for the project**



**Integrate the e-learning  
platform, transferability  
handbook and  
workshops in a capacity  
building long term  
programme**



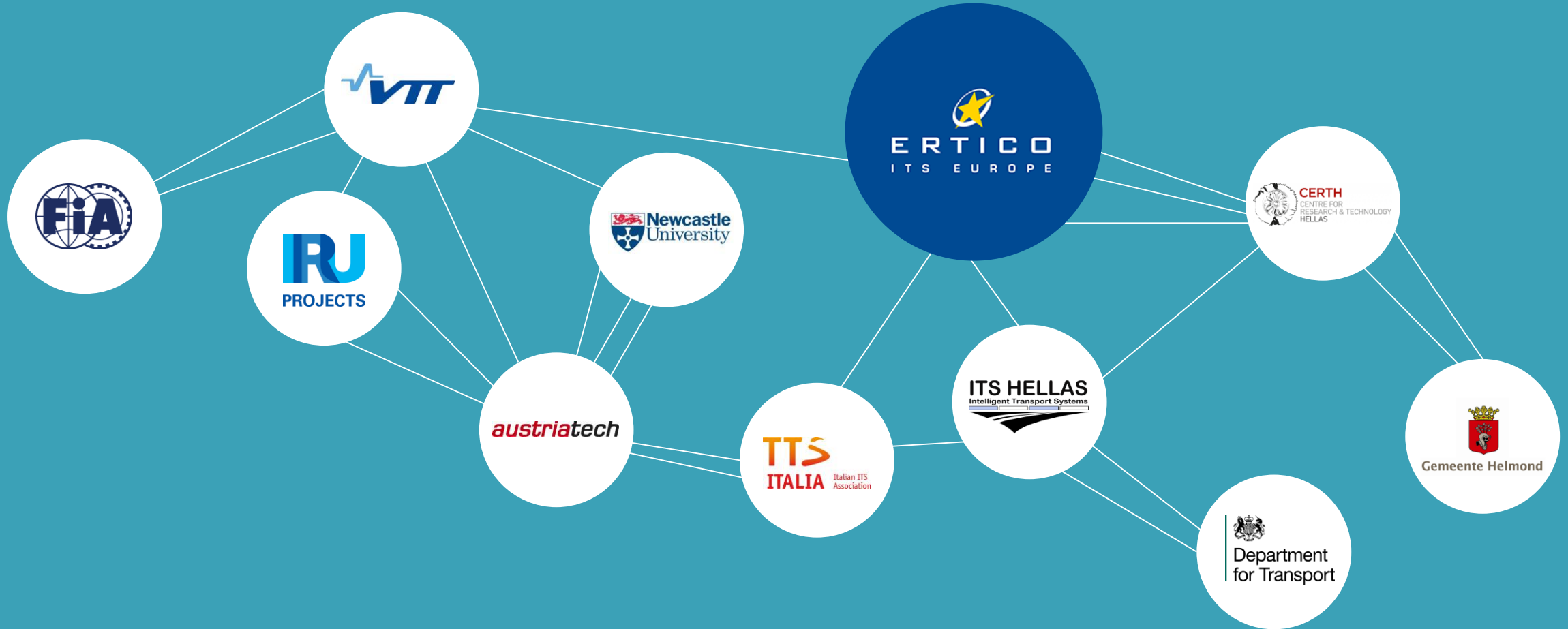
Call for Contributions &  
Call for Demonstrations  
are OPEN!

[www.2019.itsineurope.com](http://www.2019.itsineurope.com)



**13<sup>th</sup> ITS EUROPEAN CONGRESS**  
**FULFILLING ITS PROMISES**

Brainport, the Netherlands | 3-6 June 2019



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