2\textsuperscript{nd} ITS Asia Pacific Workshop

Update of ITS in Europe

Francois FISCHER, ERTICO-ITS Europe
Agenda

• ERTICO - ITS Europe
• Connected and Automated driving
• ITS for Freight Transport and Logistics
• MaaS (Mobility as a Service)
Mission: Develop, promote and deploy Intelligent Transport Systems and services with multi-stakeholder engagement
Working together to develop and deploy ITS
The ERTICO - ITS Europe Partnership

Mobile Network Operators
- T
- Ericsson
- Orange
- TIM

Research
- ABB
- BAE Systems
- Chalmers
- CTAG
- DLR
- MIRA
- Delphi
- Ford
- IKT
- ISTAR
- IT's
- ISMB
- SINTEF

Service Providers
- Allianz
- Applus IDIADA
- Atos
- CETECOM
- DEKRA
- IBM
- Nortel Networks
- PTV Group
- Teamnet
- Technology
- TomTom
- Visma

Suppliers
- 3M
- Aisin AW Co., Ltd.
- Continental
- Denso
- Ficoba
- Fujitsu Ten
- Gemalto
- Huawei
- Meta System
- NEC
- Novero
- NXP
- Panasonic
- Peiker Cress
- Bosch
- Telit

Traffic & Transport Industry
- ASFA
- BASFINAG
- CUBIC
- dynciq
- Inspectra
- Kapsch
- Michelin
- Qualcomm
- Siemens
- Swarco
- Xerox

Users
- ADAC
- FIA
- IRU
- RAC

Vehicle Manufacturers
- ALFA
- BMW Group
- CRF
- Ford
- Honda
- Renault
- Toyota
- VDA
- Volvo

Public Authorities
National
- bmvba
- Czech Ministry of Transport
- Link
- Trafikverket

Regional
- Flanders
- North Denmark Region

City
- The City of Tampere
- Bordeaux Métropole
- Hamburg
Four programmes – one ITS

One ITS

- Connected & automated driving
- ITS for urban mobility
- eMobility
- ITS freight transport & logistics

Advocacy

Projects

Events

Innovation Platforms

Fundamentals of GNSS for ITS applications
Connected and Automated Driving
EU initiatives related to Connected and Automated Driving

- **GEAR2030** (DG GROW)
- **STRIA** (DG RTD)
- **C-ITS Platform** (DG MOVE)
- **Oettinger RoundTable** (DG CONNECT)
- **H2020 projects**
- **Declaration of Amsterdam**

30 May 2016
C&AD EU initiatives highlights 1/2

- **GEAR 2030**
  - Support the EU automotive industry to strengthen competitiveness and address the new challenges - Formulate a set of medium and long-term recommendations and action plans (time horizon 2030)

- **STRIA (Strategic Transport R&I Agenda)**
  - Develop roadmaps to define research and innovation options for 7 technical areas for transport – one area is C&AD

- **C-ITS Platform (Phase II)**
  - Master Plan for the deployment of interoperable C-ITS in the EU, in Urban areas, Logistics and Public Transport -Established links with automation

- **Öttinger Round Table**
  - Commission launched dialogue between automotive and telecommunication IT industry to discuss digital aspects of connected & automated driving, align roadmaps of automotive and telecommunication industries and propose a pan-European, large-scale project to provide enabling connectivity
C&AD EU initiatives highlights 2/2

• **Declaration of Amsterdam**
  – Bring together C&AD developments towards a coherent EU framework for interoperable C&AD through learning by experience and cross-border cooperation while ensuring data protection and privacy

• **European Truck platooning challenge**
  – Initiative of the Dutch Ministry of Infrastructure and the Environment to bring truck platooning one step closer to implementation

• **5G - PPP**
  – Public Private partnership support by the EC to deliver solutions, architectures, technologies and standards for 5G communication networks – white paper on automotive vertical

• **AIOTI (Alliance for Internet of Thing Innovation)**
  – Initiated by the EC to develop and support the dialogue and interaction among the Internet of Things (IoT) players in EU - aims at creating a dynamic European IoT ecosystem building on the on the work of the IoT Research Cluster (IERC) - assist the EC in the preparation of future IoT research, innovation and standardisation policies – WG9 on Smart Mobility
Truck platooning Challenge

Policy, Competitiveness, Jobs

GEAR 2030

Oettinger Round Table

C-ITS Platform

Declaration of Amsterdam

Truck platooning Challenge

STRIA

Research, Innovation, Technology advances

Connectivity, Data, Cloud Infrastructure

Automation, new mobility

AIOTI

Oettinger Round Table

C-ITS Platform

Declaration of Amsterdam

Truck platooning Challenge

STRIA

Research, Innovation, Technology advances
Projects

EU funded projects

- Adaptive
- CityMobil2
- Companion
- AUTONET
- i-AME
- Grand Cooperative Driving Challenge

ITS corridors projects

National projects

- France
  - New French Industry: Autonomous vehicle
- Germany
  - Pegasus
- Sweden
  - DriveMe and Drive Sweden
- United Kingdom
  - DfT CCAV: Dept. for Transport - Centre for Connected and Automated Vehicles
ITS corridors

Large scale deployment pilot on automated and connected vehicles

coherency
needs
impact

NordicWay
STRIA
C-ITS Corridor
InterCor
Co-GISTICS
COMPASS4D
C-ITS Platform
Oettinger RT
GEAR2030

ERTICO
ITS Europe
ITS for Freight Transport and Logistics
<table>
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<tr>
<th>Connectivity for freight and logistics</th>
<th>Internet of Things and big data for logistics</th>
<th>interfaces for integrated syncromodal freight transport system</th>
<th>User awareness and benefits of ITS to logistics stakeholders</th>
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<tbody>
<tr>
<td>Demonstrating C-ITS for logistics hubs: CO-GISTICS</td>
<td>Physical Internet - MG- 5.4 call</td>
<td>Pan European Platform on logistics applications - AEOLIX</td>
<td>Training for C-ITS deployment, CAPITAL</td>
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<tr>
<td>Demonstrating C-ITS for logistics cross border: InterCor</td>
<td>IoT for Logistics- MG - 5.2 call</td>
<td>Harmonised methodologies for carbon footprint calculation - LEARN</td>
<td>Data collection &amp; toolkit for urban freight - NOVELOG</td>
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<td>Standardisation &amp; testing – (IIG))</td>
<td>Port of the Future - MG 7.3 call</td>
<td></td>
<td>ERTICO study on ITS for heavy goods vehicles</td>
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**ERTICO**

**ITS for Freight Transport and Logistics**
C-ITS and 5 CO-GISTICS services will be deployed in 7 logistic hubs and on at least 325 trucks and vans.

AEOLIX

AEOLIX will allow to connect any logistics actor across the supply chain with any system or platform thanks to a “demand driven architecture” to be tested in 11 living labs.
MaaS: Mobility as a Service
MaaS alliance

- Mobility as a Service (MaaS) addresses **City growth and traffic issues**
- Offer **tailor-made mobility solutions** based on individual needs with technological development and **increased use of internet**
- Use **emerging modes of transport and mobility services**
- For the first time, **easy access to the most appropriate transport mode or service** included in a **bundle of flexible travel service options** for end users.
Established and working

• Established 6 June 2016 @ ITS EU congress Glasgow

• Working Groups:
  – Single Market
  – User perspective
  – Technical
  – Legal framework
Thank you

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