



Innovation

Re-shaping mobility of the future through innovation



AGENDA



■ DIGITAL TRANSPORT ERA

■ IRU INNOVATION VISION

■ DIGITALISING TRANSPORT OPERATIONS

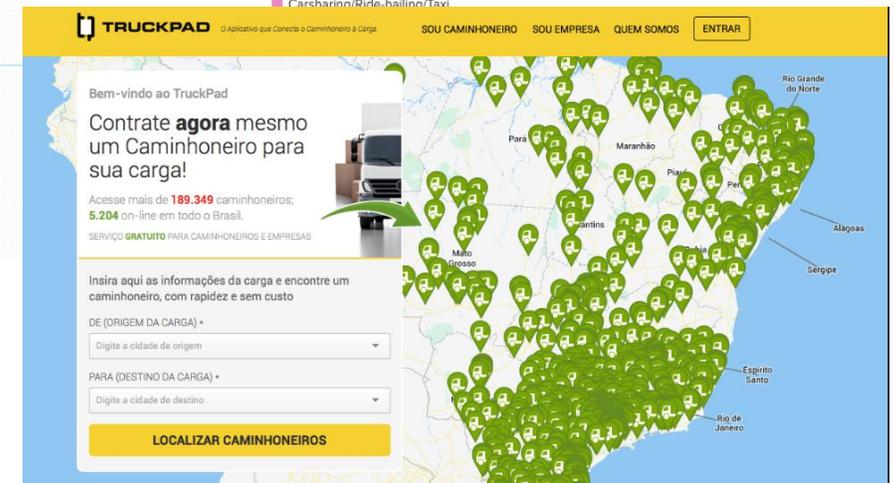
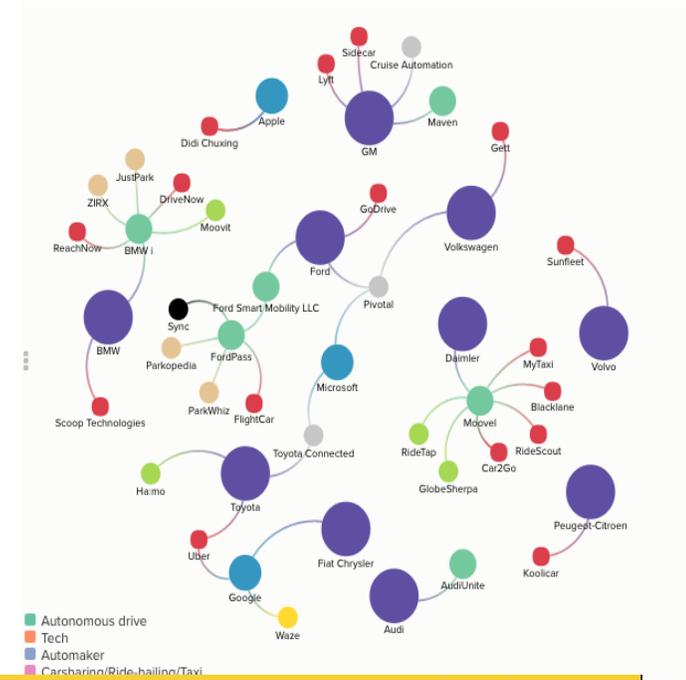
■ TRANSPORT OPERATORS' REQUIREMENTS

■ JOIN US IN SHAPING THE FUTURE



DIGITAL TRANSPORT ERA

- NEW GLOBAL ACTORS AFFECTING LOCAL BUSINESS
- NEW TECH, BENDING RULES
- STRATEGIC ALLIENCES





OUR VISION FOR INNOVATION

- Lead transformation of the road transport industry towards sustainable future through innovation



Safe, secure and efficient transport

- Fully loaded
- Truck platoons
- Always connected
- Highly automated
- CO₂ neutral (no tail-pipe emissions)
- Part of fully digitalized supply chains





DIGITALISING TRANSPORT OPERATIONS



1 Fleet management



2 Planning



3 Transport



4 Follow-up



Supporting fleet management

- Fleet management systems
 - Consignments' and related documents
 - Pre-declaration to customs
 - Transit guarantees management
 - Fleet monitoring and visibility
 - Supply chain visibility



Standardising route planning

- Accurate cost calculation
- Correct route planning
- Precise CO₂ reporting
- Supporting currently operators in
 - Benelux, Czech Rep. and Romania
- Implementations ongoing for
 - Mexico, Poland and Spain





Starting digital transport...

- Preparing for a safe and efficient drive
- Vehicle pre-check app
- Digitally recording and storing information



...on digital roads...

- Defining vehicle – infrastructure cooperation
- Service leading to up to 13% fuel saving through:
 - better anticipation and
 - (certain) priority at intersections
- Enabled by cooperating in EU projects with 300 external stakeholders

...supported by latest information... **TRANSPark**



■ Providing drivers with information on:

- 6,000+ parking areas
- 2500 petrol stations
- 60+ countries
- 9 languages

■ Empowering drivers community

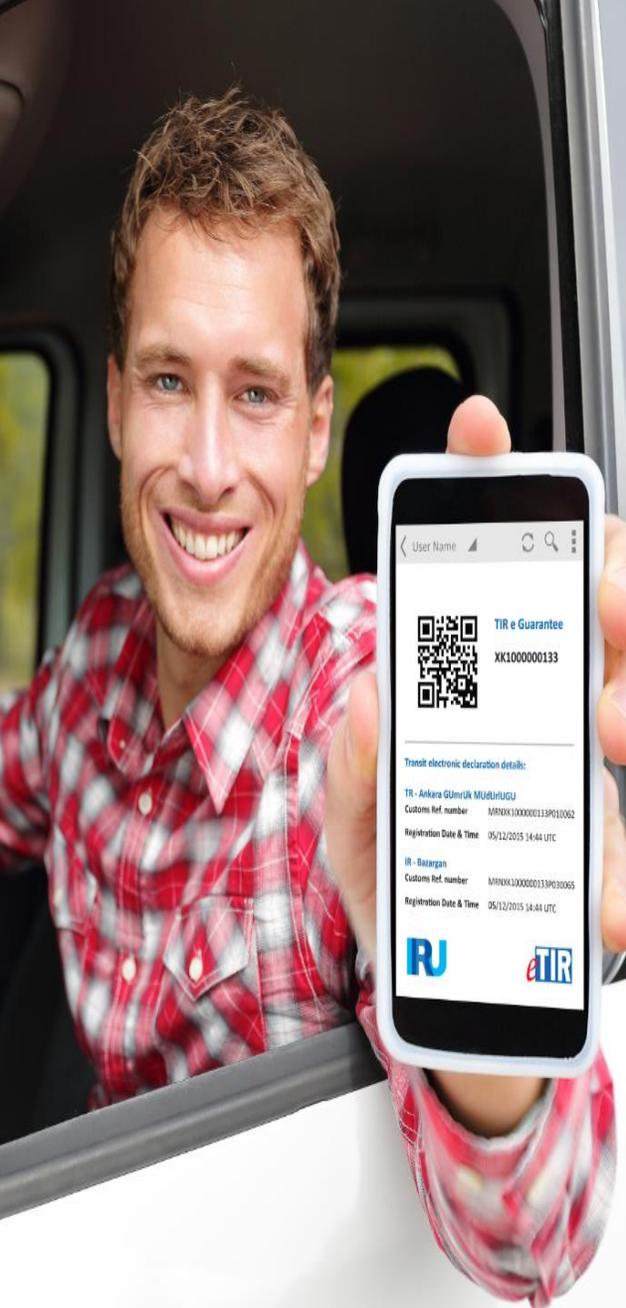


1 Fleet management

2 Planning

3 Transport

4 Follow-up



...enabled by electronic TIR...



- Essential for efficient customs operations worldwide
- Quicker. Simpler. Safer.
- Pilot ongoing Turkey – Iran, Phase 2 started August 2016



...and ending with digital proof of delivery



AEOLIX

- Enabled by electronic CMR
- Increased efficiency, reduced costs, reduced environmental impact
- Standardization being launched
- Advocacy for acceptance by states



Following up on the operation

- Analysis of driving performance
- Where needed, supported with training
- Proven fuel savings of 5 – 9%
- Offered by the IRU Academy



II. IRU POSITION

The IRU is in favour of ITS applications for the road transport sector (e.g. tracking and tracing systems, eCall, etc.) as long as they provide significant measurable *safety, environmental and economic benefits*.

For efficient introduction and implementation within the road transport industry, ITS applications:

- should be carefully analysed prior to any implementation in order to avoid any misinterpretation of the *real needs* of the market and *consequences* on road transport as a whole;
- must be *standardised, harmonised and interoperable* in order to improve the effectiveness and reliability of transport as a whole;
- must be used, if possible, on a *voluntary* basis;
- should not hinder all stakeholders in the transport chain to maintain *freedom of choice for the means of transport* they use and *when selecting ITS equipment and application suppliers*;
- should be coupled with the use of transport documents available in an *electronic format*, and

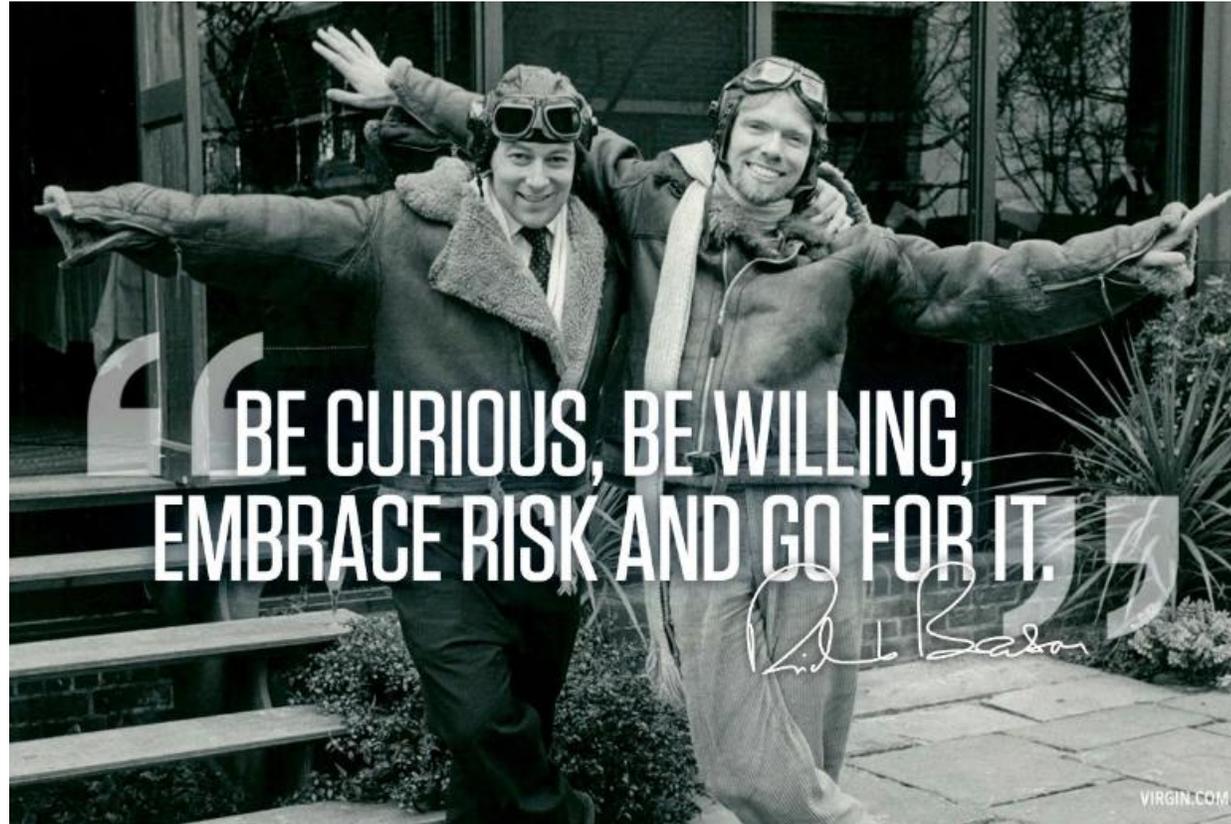
- should ensure that the appropriate level of *confidentiality* of commercial data exists, including when used in multimodal transport chains.

Any coordinated action on ITS applications should:

- focus on the *deployment of proven solutions* and should not be used to initiate further basic R&D;
- include a solid *business case*, proving to all stakeholders what benefits exist and the costs involved;
- include *incentives* in the business plan for take-up by the users; and
- incorporate the *necessary training* of all stakeholders.



WELCOME TO JOIN US TO SHAPE THE FUTURE



Contact us at innovation@iru.org



Thank You!