European Innovation Partnership on Smart Cities and Communities
Building a Market for Smart Cities and Communities
Sustainable Urban Mobility Action Cluster

European Innovation Partnership on

Smart Cities and Communities

Manifesto

Working group Intelligent Speed Assistance

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CONTEXT

Speeding is a major cause of road accidents. Enforcement of speed limits however is cost-and labor intensive and infrastructural measures to limit vehicle speeds, such as speed bumps have several negative side-effects and are also expensive. Intelligent adaptation of the vehicle's speed is an advanced possibility to prevent speeding and hence accidents, especially in zones with many vulnerable road users, like school environments. New technology already makes it possible to give pointed advice to individual drivers and to actively intervene in the speed of motorized vehicles. We call this new technology **'Intelligent Speed Assistance' (ISA).** ISA uses communication between the vehicle and its environment. The safe optimal speed that is derived from digital maps, electronic road-side units, traffic signs and other sources of information is communicated to the vehicle. The vehicle's electronic system then makes the vehicle adapt to the safe optimal speed or advises the driver to adhere to the safe speed limit.

In May 2018 the EC decided to revise the General Safety Regulation EC 661/2009. One of the proposals for revision is to introduce an ISA system in all new vehicles from 2020. If this proposal is accepted, from 2020 onwards more and more vehicles with ISA systems will appear on our roads.

However, if we wait for the revision of EC 661/2009, it will be a very long time before all vehicles are equipped with ISA and the number of road accidents caused by speeding will have declined significantly. That would be a loss, because ISA technology is available now and can already contribute to safer roads. Although the technology is not perfect yet, early introduction can help to limit the number of accidents caused by speeding. Therefore, the ISA Working Group wants to support the speed-up of the roll out of ISA.

This working group is part of the New Mobility Services initiative within the Action Cluster Sustainable Urban Mobility of the European Innovation Partnership on Smart Cities and Communities (EIP-SCC). The Partnership brings together cities and regions with companies to showcase innovative mobility solutions and support their replication at scale in key market segments.

GOALS

The goals of the Working group are:

1. Support the proposal to revise EC 661/2009 and all related activities.
2. Give support during the transition period, with a focus on three activities:
   - Increase the use of existing systems by creating awareness with users.
   - Organise a campaign to persuade authorities and fleet owners to require ISA systems when procuring new vehicles.
   - Increase the penetration of vehicles with ISA by stimulating the introduction of after-market ISA systems in existing vehicles.
3. Organise and support concrete projects, aimed at these three support activities.

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The Working group wants to achieve its goals by taking the following short-term actions:

1. Make an inventory of possible stakeholders, ask them to support the work of the Working group and sign this manifest.
2. Make an overview of present and past ISA projects.
3. Offer support and expertise to present projects and project proposals.
4. Meet once or twice a year to discuss progress, exchange information and decide on concrete actions.

By signing this Manifesto, we are committed to support the objectives of the ISA Working group as part of the New Mobility Services initiative within the Action Cluster Sustainable Urban Mobility of the European Innovation Partnership on Smart Cities and Communities, by developing and delivering the actions outlined in the Manifesto.

We will adhere to openly share the main results of this initiative that provide interoperability and easy integration in urban systems, which will enable city organisations and solution providers to shape and replicate these outcomes.