

***austriatech***



**Automation & connectivity for the mobility of the future**

**Johannes Liebermann**

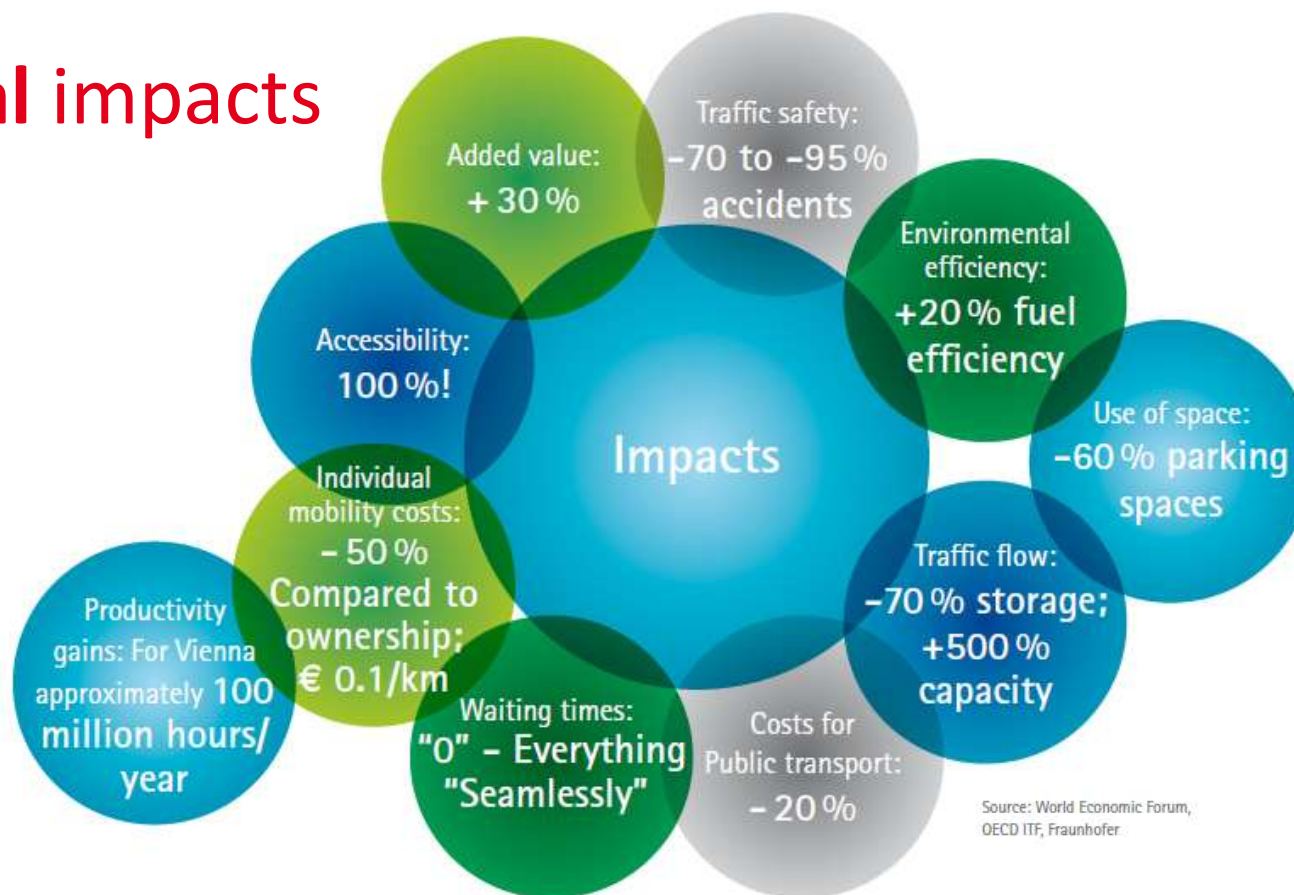
Policy aspects of the Austrian action plan “automated driving”

Žilina, 22.11.2016 | Slovakia© AustriaTech

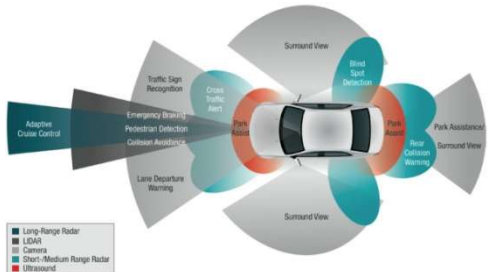


## Topics

- Automated Driving –impact|areas of activity
- Legal framework – challenge|approach|solution
- Outlook & take home messages

## Potential impacts



# Areas of activity

| <h2>Vehicle</h2>   | <h2>Infrastructure</h2>   | <h2>Legal / policy framework</h2>   |
|---|---|--|
| <ul style="list-style-type: none"> <li>• 360° Sensors</li> <li>• ADAS</li> <li>• Security and resilience</li> <li>• Validation</li> <li>• Certification</li> <li>• HMI of the future</li> </ul> | <div data-bbox="795 821 862 901">+</div> <ul style="list-style-type: none"> <li>• Different lvls of automated infrastructure?</li> <li>• New forms of traffic management</li> <li>• C-ITS (V2x) as enabler</li> <li>• Standardisation</li> <li>• HD-Maps</li> </ul> | <div data-bbox="1512 821 1579 901">+</div> <ul style="list-style-type: none"> <li>• Vienna convention</li> <li>• ECE R-79 steering mechanisms</li> <li>• ECE R-48 light-signalling</li> <li>• Type approval</li> </ul> |

# Action plan – working groups



## WG1

### Test Infrastructures and Legal Frameworks

#### Goal

- Legal framework for the testing of ADS
- Defined test scenarios
- Necessary test infrastructures

## WG2

### System Architecture

#### Goal

- Competencies Map
- Technology roadmap

## WG3

### Scenarios and Use Cases

#### Goal

- Use cases & fields of application
- Prioritisation and evaluation



## WG4

### Digital Infrastructure

#### Goal

- Definition of digital infrastructure
- Implementation plan based on current projects
- Focus connectivity, data security

## The challenge

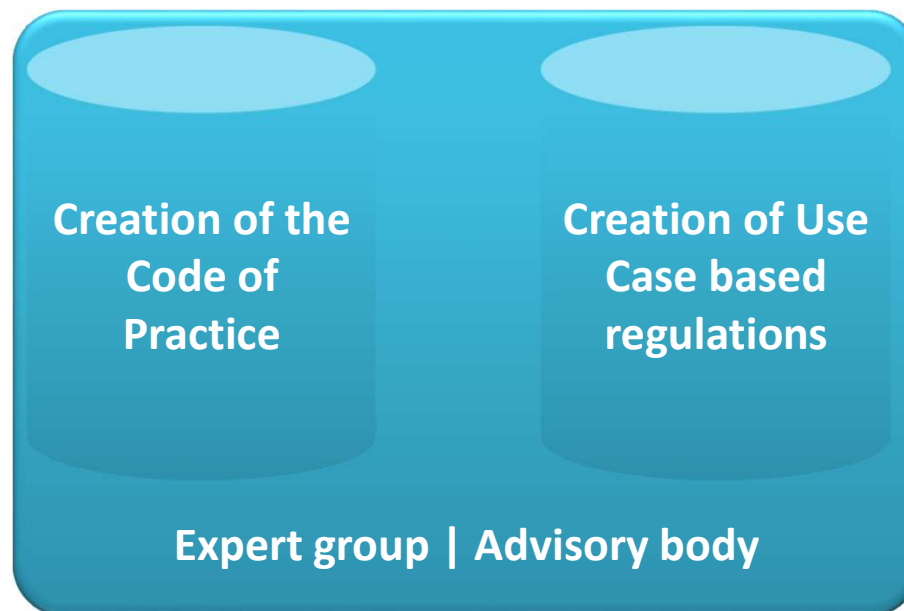
***Policy remains as the last major hurdle.*** Government has a relatively poor track record of managing innovation in the auto sector. Policy is often slow, frequently redundant and rarely straightforward....



# WG1 Testing infrastructures & legal framework

## Tackling the challenge:

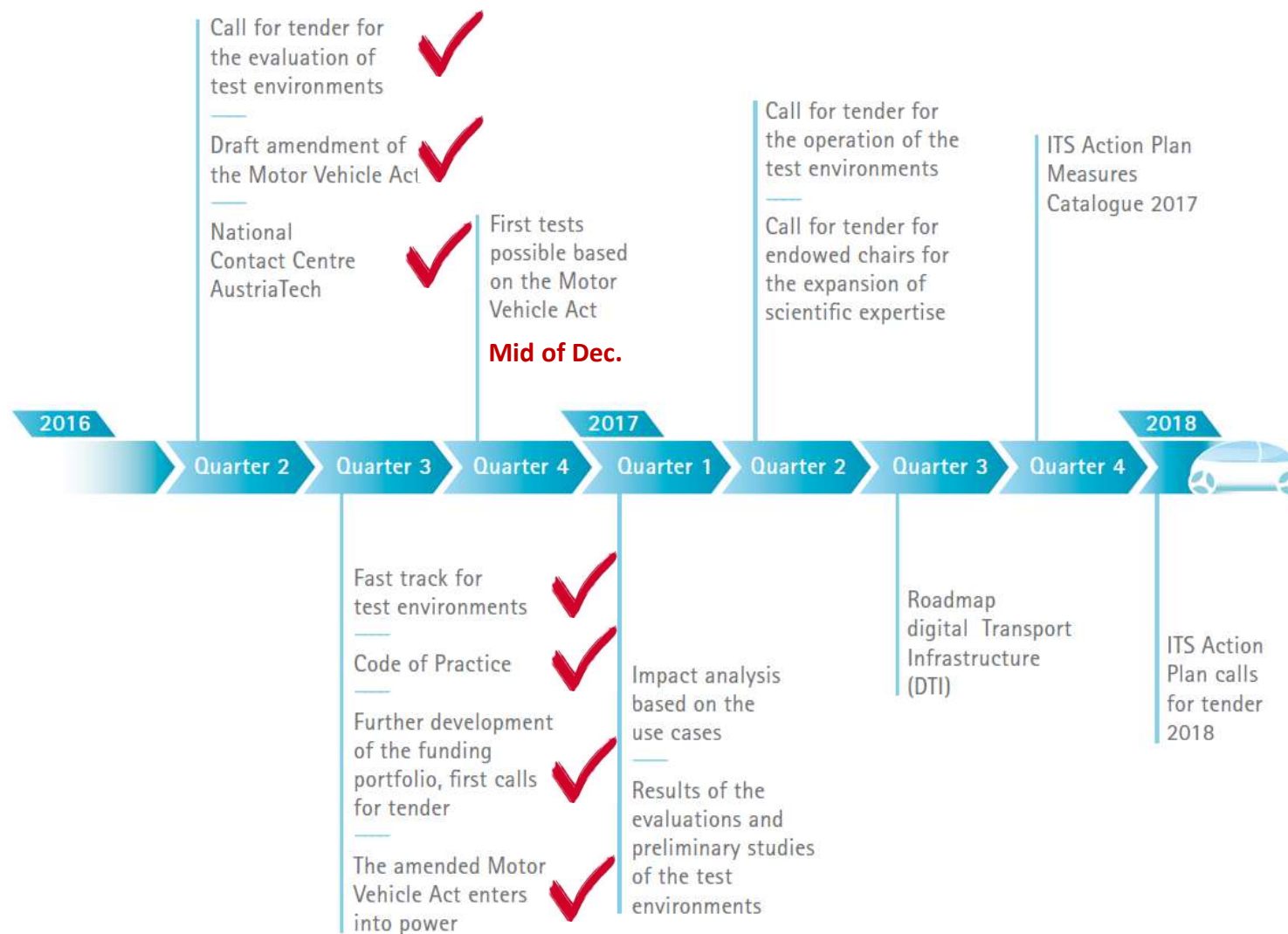
- The legal framework was adapted and updated for testing CAVs in the public road network



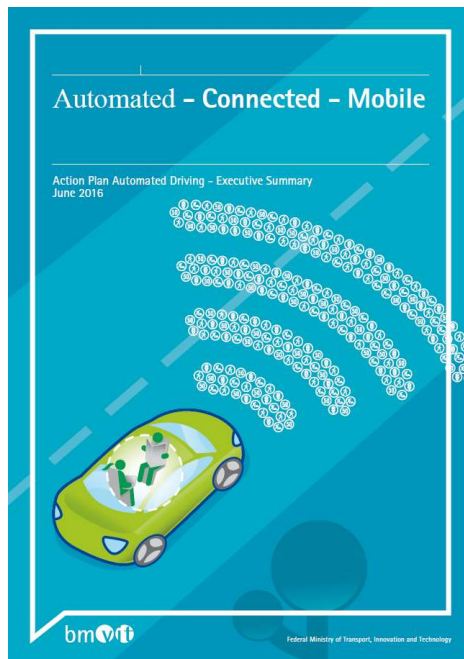
## How can I now test CAD in Austria?

- Fill in the [template](#) (who,what,when,what and where?)
- Send it to [automatisierung@austriatech.at](mailto:automatisierung@austriatech.at) (quarterly screening from AustriaTech+Ministry+Expert group)
- Is there a need for a new regulation or is the functionality already legally covered?
- Receive a confirmation that your submission is inline with an existing regulation and it obeys the [Code of Practice](#)





# Take home messages



[www.smart-mobility.at/fileadmin/media\\_data/services/Thematisches/Actionplan\\_automated\\_driving.pdf](http://www.smart-mobility.at/fileadmin/media_data/services/Thematisches/Actionplan_automated_driving.pdf)

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## Responsibilities of the Point of Contact for Automated Driving

- **Point of contact** for activities related to automated driving in Austria (legal and technical issues)
- **Information centre** for potential applicants for test environments
- Support for international partnerships for Austrian projects and organizations through a strong **international network**
- Support for national and **RTI implementation projects**
- Establish **monitoring** of Austrian and international projects and activities
- Support for the **development of joint actions** by order of the bmvi
- Ensuring the exchange of information and the **dissemination of results**

## Contact:

- [automatisierung@austriatech.at](mailto:automatisierung@austriatech.at)
- Content questions: Johannes Liebermann, 01/26 33 444-39
- Legal questions: Daniela Morawetz, 01/26 33 444-46

JLI1

<http://www.austriatech.at/en/activities-1/point-of-contact-automated-driving>



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