

Workshop on Open Data

**CEDR – CONFERENCE OF EUROPEAN DIRECTORS OF ROADS
TRA 2018**

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AGENDA

1. ACEA

**2. CCAM and
data**

**3. Policy
dialogue**

3. Going forward

Note : the graphs in this presentation are for illustrative purposes only.

1. ACEA : what and who



ACEA MEMBERS

BMW Group



DAIMLER



FIAT CHRYSLER AUTOMOBILES



HYUNDAI

IVECO



**GROUPE
RENAULT**

TOYOTA

VOLKSWAGEN

AKTIENGESELLSCHAFT

VOLVO





ACEA COMMERCIAL VEHICLE MEMBERS

DAF

DAIMLER

IVECO



SCANIA



VOLKSWAGEN

AKTIENGESELLSCHAFT

VOLVO





ACEA LCV MEMBERS

DAIMLER

FCA

FIAT CHRYSLER AUTOMOBILES



IVECO

PSA

GRUPE

**GROUPE
RENAULT**

TOYOTA

VOLKSWAGEN

AKTIENGESELLSCHAFT





ACEA BUS & COACH MEMBERS

DAIMLER

IVECO



SCANIA



VOLVO



KEY FIGURES ABOUT THE INDUSTRY

12.6 million Europeans work in the automotive sector

3.3 million jobs in automotive manufacturing

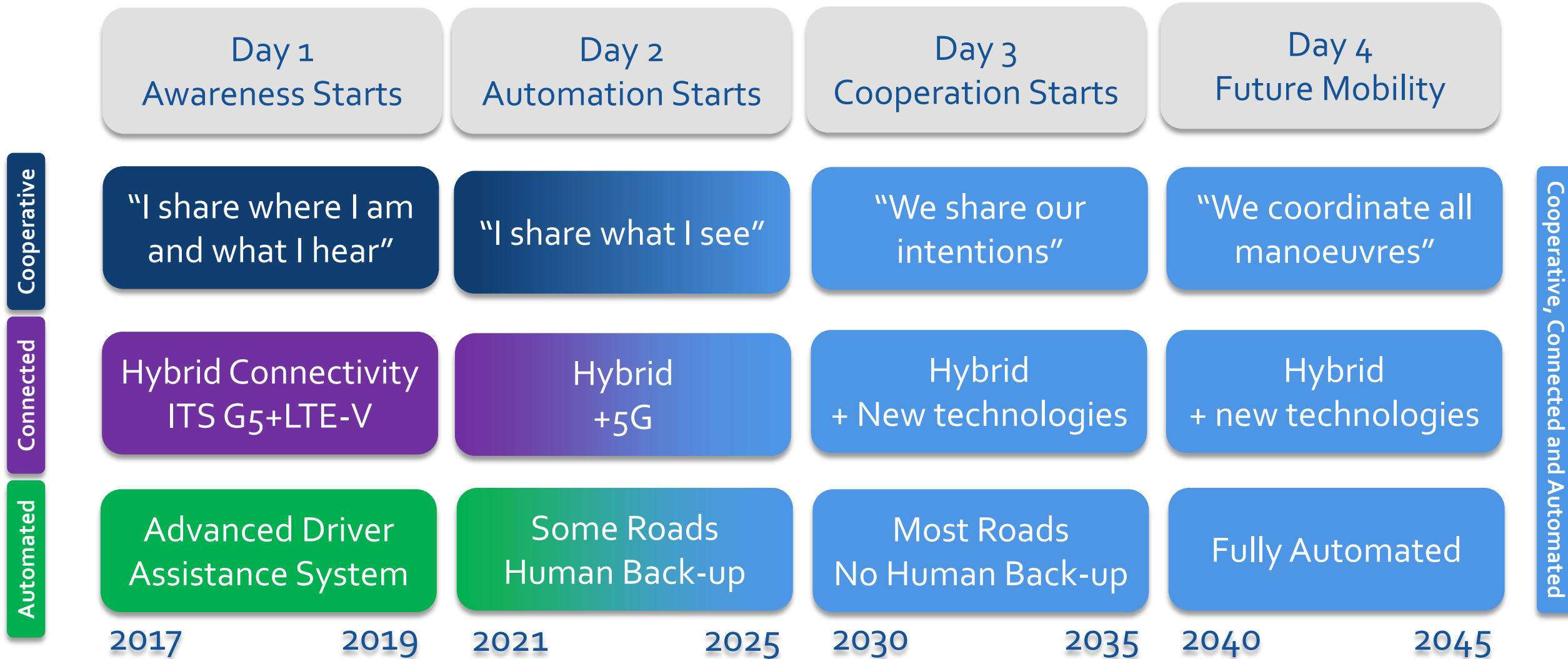
€396 billion in tax revenues (EU15)

€50.1 billion in R&D spending, largest private investor

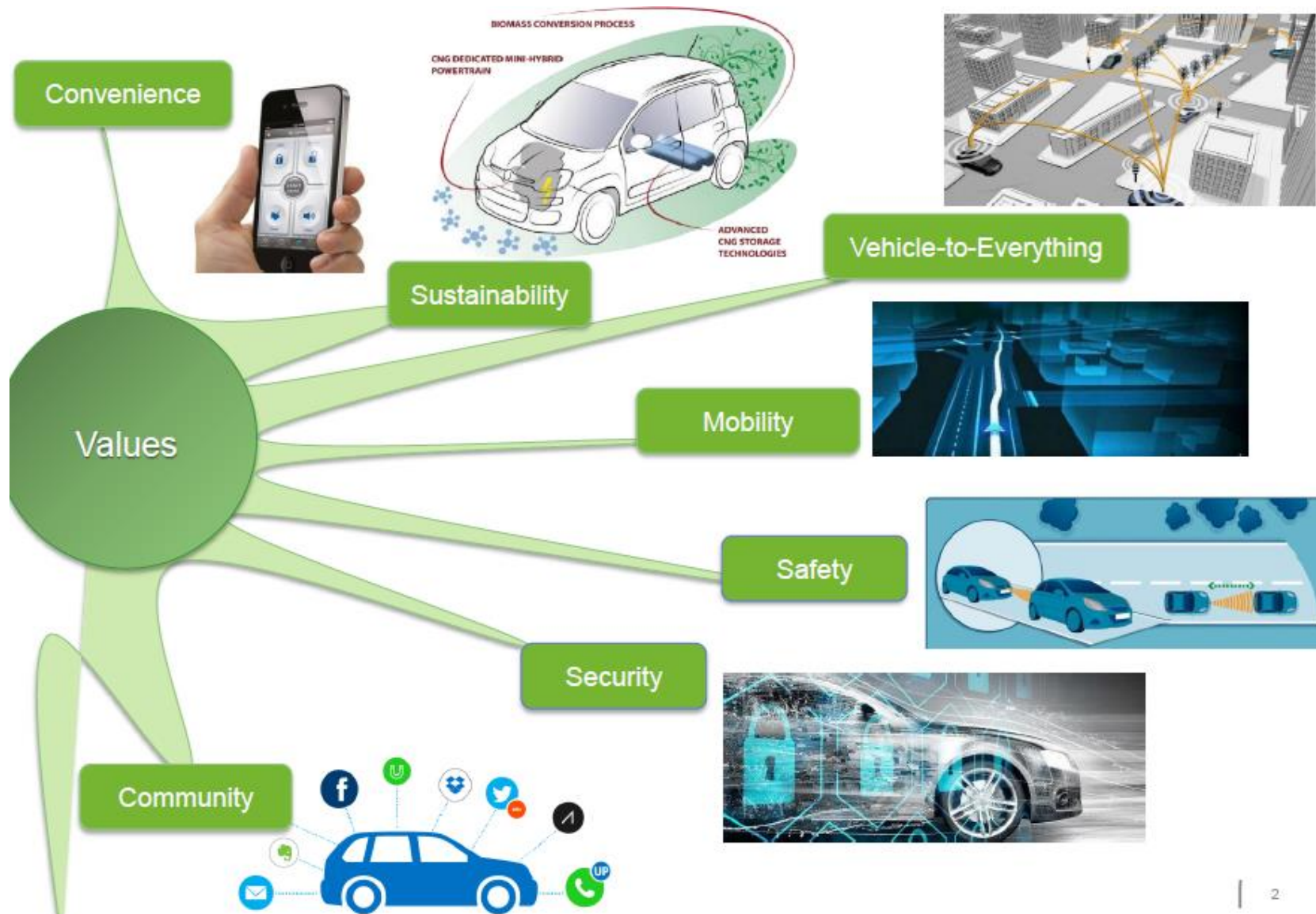
€90 billion positive net trade contribution

2. CCAM and data

COOPERATIVE, CONNECTED AND AUTOMATED MOBILITY



CONNECTIVITY SERVICES



VEHICLES AND DATA

- ❖ **Sense of reality needed -> not all vehicles and infrastructures are connected today**
- ❖ **Step by step approach on connectivity and automation**
- ❖ **Starting blocks for V2V/V2I/I2V/V2X**
- ❖ **Invest once principle. Vehicles are not smartphones ! Hard choices to be made: sensors, lidars, camera technology, communications technology, back-end servers**

FOUR CATEGORIES OF DATA/USE CASES

1. “Public interest” data -> Reciprocity

Data relevant to traffic safety

(e.g. local hazard warning, ITS-related services)

2. Data triggered by the vehicle -> B2B

Services available across brands: non-differentiating vehicle data

(e.g. ambient temperature, traffic flows, road sign recognition, street parking)

3. Vehicle specific technical data

Brand-specific services & component analysis/product improvement: link to suppliers, IP protected

(e.g. ECU monitoring, chassis sensor data)

4. Data triggered by driver -> GDPR

Personalised services

(e.g. vehicle position, speed, insurance, fleet, roadside assistance, diagnostic)

VEHICLES AND INFRASTRUCTURE

❖ Examples of events generated by the vehicle

- Accident warning
- Unexpected stationary vehicle
- Slippery road warning
- Hard breaking event

❖ Examples of events generated by the traffic infrastructure

- Fixed infra static data (eg speed limit)
- Fixed infra dynamic data (dynamic speed limits)
- Temporary infra static data (road closed, diversion)
- Temporary infra dynamic data (alert board)
- Roadworks

Examples of C-ITS use cases

Road safety related:

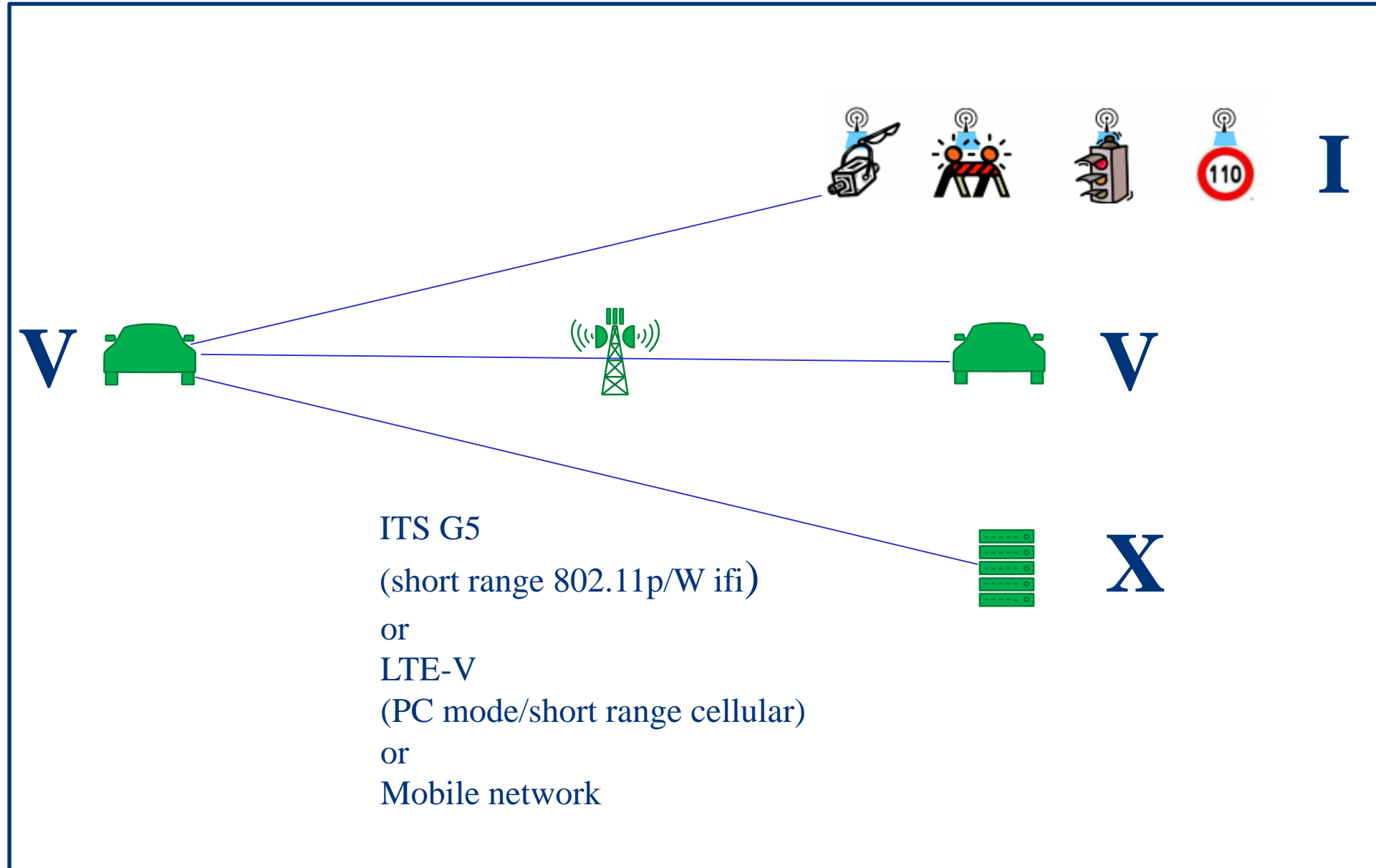
- Emergency vehicle approaching
- Slow or stationary vehicle(s)
- Traffic jam ahead warning
- Hazardous location notification

Cooperative traffic efficiency:

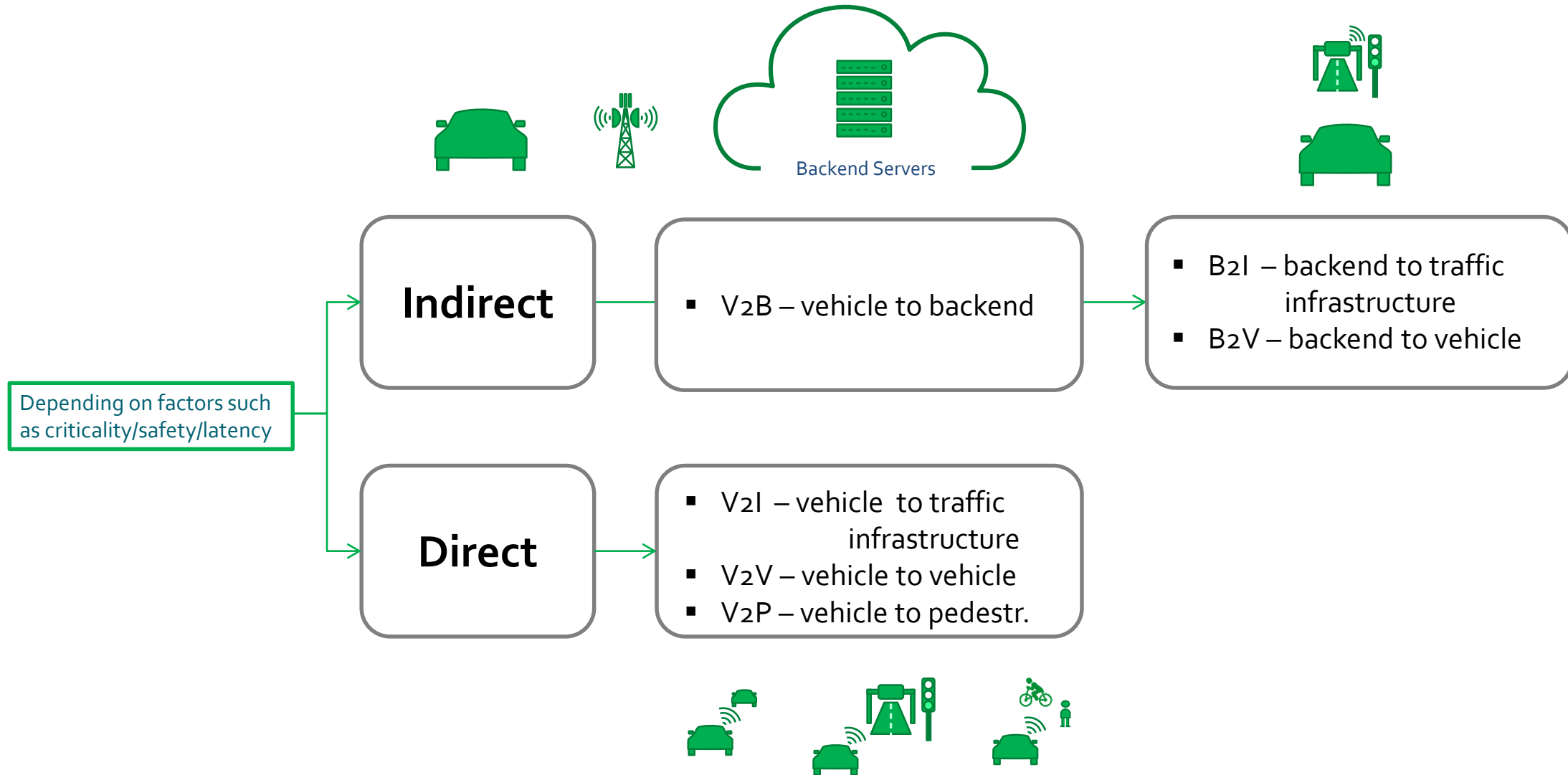
- Traffic information and smart routing
- Traffic Light Assist
- Green Light Optimal Speed Advisory (GLOSA) / Time To Green (TTG)
- Road works warning
- Weather conditions

Cooperative local services:

- Off street parking information
- Park & Ride information
- Information on AFV fueling & charging stations
- Zone access control for urban areas



V2X



ACEA POSITION ON ACCESS TO DATA

- **OEMs prepared to make data available, when the following principles are respected:**
 - **Safety, security, vehicle integrity and liability**
 - Customer choice (repair and maintenance, as well as mobility services)
 - Fair competition
 - Privacy and data protection
 - Interoperability (standardised approach, cfr ISO)
 - Return on investment
- **Direct access to data inside the vehicle poses a threat to: safety, security and integrity of the vehicle**
- **Dongles connected to an OBD interface pose a risk to the vehicle**
- **Focus on providing off-board access to data through Extended Vehicle model**

2. POLICY DIALOGUE

CONNECTED DATA POLICIES

ITS directive 2010/40

DR 886/2013
(Priority Action c)

DR on C-ITS specs
(Priority Area IV)

“Data economy”

Data protection/
privacy

Priority action c +
Priority Area IV

SRTI

Linking vehicle with
the transport
infrastructure

PSI directive
B2B, G2B, B2G
Access, use,
re-use

GDPR
ePrivacy
EECC
NIS

Specifications
Procedures
Standardisation

Public/private
service providers
road authorities

Interoperability
Technology
“GPDR”
(Cyber) security

Private interest/
public interest
balance

Personal data
non-personal data
raw data

NO ONE SIZE FITS ALL

Types of data

- ❖ Machine generated data, raw data
- ❖ Interpreted data
- ❖ Anonymised data
- ❖ Personal data
- ❖ Meta data
- ❖ [...]

Who generates the data ?

Who processes and interpretes the data ?

Who uses the data ?

Balance the interests

- ❖ Quality monitoring
- ❖ Intellectual property rights
- ❖ Trade secrets
- ❖ Privacy
- ❖ Private interest
- ❖ Public interest
- ❖ Competitiveness of the industry



European
Automobile
Manufacturers
Association

3. GOING FORWARD



KEEP IN MIND

1. **Not all is connected today. Step by step approach**
2. **Invest once principle: first time right, safety, security and sustainability at stake**
3. **Competitive landscape among vehicle manufacturers**
4. **Policies should facilitate, not hamper innovation**
5. **And... let's continue to talk to each other !**

GOING FORWARD

Dialogue with CEDR CAD group

- ✓ Understand each other's ecosystem
- ✓ Demystify connectivity, automation, data
- ✓ Exchange on ongoing projects
- ✓ Identify barriers and opportunities, solutions
- ✓ First intro meeting held with CAD group on 8 March 2018, Birmingham

Identify which sources, use cases and data: vehicle originated, road centres originated, other third parties devices and services

No duplication of dialogue for a : sync with the Data Task Force member states/industry

ACEA POSITION PAPERS

On Smart Mobility and Cybersecurity

Principles of Automotive Cybersecurity



<https://goo.gl/L7SdRX>

Access to Vehicle Data for Third-party Services



<https://goo.gl/Lf8vAB>

Principles of Data Protection in relation to CAD



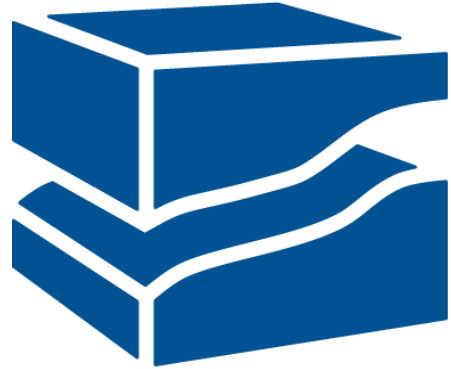
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STAY CONNECTED !

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THANK YOU FOR YOUR ATTENTION



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