

European Association of Automotive Suppliers

# **CoRAI – Automotive Intergroup Meeting "Future of the Automotive Industry"**

Brussels, 27th June 2019

### **CLEPA**



#### WHAT IS CLEPA?

CLEPA- the European Association of Automotive Suppliers -brings together over 120 global suppliers of car parts, systems and modules and more than 20 national trade associations and European sector associations.



## WHAT IS CLEPA ABOUT?











each year

±3.000

Patents filled by the

automotive industry









## **HEADLINE PRIORITIES**

#### The 4 CLEPA Focus Areas - 2019

- Environment: co-define the framework conditions for transitioning to sustainable mobility
- **Safety:** co-shape the longer-term (soft-)policy objectives for zeroaccident mobility
- Mobility Evolution
  - identify and promote the framework conditions for connected & automated driving incl. policy on access to data, e-privacy, liability, cybersecurity
- Competitiveness
  - promote and defend efficient international value chains and rules-based market access
  - co-define the EU research & innovation priorities, roadmaps and funding opportunities



## **DRIVERS OF CHANGE**



Major transformative trends are shaping the future of mobility and the automotive industry: **decarbonisation** and **digitalisation** 



## **NEW VEHICLE REGISTRATIONS**



#### China, US and EU – in million units



#### Stagnation or change of trend?

#### Consolidation on high level

Insecurity due to EVAP <sup>1)</sup>

1) EVAP: Evaporation Tests required from September 2019 in EU

Source: National registrations

## **PASSENGER CAR SALES/PRODUCTION**

# **{**\*\*

#### Previous years and outlook in 1.000 units

SALES	2017	% to p.y.	2018	% to p.y.	2019 prog.	% to p.y.
EU - West	14.321	3	14.211	-1	14.009	-1
EU - New countries	1.309	13	1.414	8	1.452	3
Global	84.732	2	84.202	-1	83.980	0
Global w/o CN	60.561	2	60.945	1	60.722	0

Shift of production and demand to the Eastern part of Europe

PRODUCTION	2017	% to p.y.	2018	% to p.y.	2019 prog.	% to p.y.
EU - West	13.069	0	12.530	-4	12.337	-2
EU - New countries	3.877	1	4.094	6	4.130	1
Global	84.686	2	83.683	-1	84.184	1
Global w/o CN	60.409	2	60.528	0	61.075	1

China remains in 2019 at previous year level

Source: VDA, IHS Automotive

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## **MOTOR VEHICLE PRODUCTION AS SHARE OF GDP**







## **ELECTRIC VEHICLES**

Vehicle registrations by powertrain and region - Q1.2019



## **ELECTRIC VEHICLES**



#### Market share of electrically chargeable vehicles | 2018



Top 5 countries with lowest share of electric cars in the EU sold in 2018

Poland – 1,324 ECVs Slovakia – 293 ECVs Greece – 315 ECVs Czech Republic – 981 ECVs Lithuania – 143 ECVs

ECV market share of the 5 biggest EU car markets (cars sold in 2018)

Germany – 67,658 ECVs United Kingdom – 59,947 ECVs France – 45,623 ECVs Italy – 9,731 ECVs Spain – 11,810 ECVs

## EU+EFTA member states Source: ACEA

# DRIVERS OF CHANGE – MANUFACTURING & WORKFORCE

Industrial & market changes impact the competencies needed in the future

- Advanced manufacturing
- Advanced materials
- Complex and global supply chains
- Life cycle design, pollution prevention and product recyclability
- Active safety, automated driving and connectivity
- Decarbonisation, hybridisation and electrification
- Evolution of customer requirements



Source: Skills council report, GEAR2030

# **PROJECT BACKGROUND – AUTOMOTIVE SECTOR**



#### DRIVES

- 7 % of the EU's Gross Domestic Product (GDP) and provides employment to 12.2 million workers (5.6 % of total EU employment).
- The sector is facing many structural changes,
  - electrification, new mobility concepts; growing use of connectivity and digital technologies in manufacturing & in vehicles;
  - relocation to low-cost countries and the development of global manufacturing systems.
- The automotive industry faces increased shortages of suitable workers (qualitative and quantitative).
  - an estimated 900 000 automotive jobs will need to be filled between 2016 and 2025.
- Half of the total job openings to 2025 are forecast to require high-level qualifications.

## **PROJECT BACKGROUND – AUTOMOTIVE SECTOR**



#### **Development and Research on Innovative Vocational Education Skills**

#### Key facts:

- Erasmus+ funded project for 4 year
- From January 2018 to December 2021
- Successor of European Automotive Skills Council and WG1PT4 of GEAR 2030
- 24 partners representing industry from 11 countries, local authorities, training providers
- Steering Board is composed of ACEA, CLEPA and ETRMA
- Partnership between industry and academia to ensure that needs of industry are reflected by education institutions
- DRIVES is a key provider for EU-wide recommendation for the EU Commission



## **DRIVES PROJECT – OVERVIEW**

- The Blueprint for Sectoral Cooperation on Skills in Automotive Sector
- Strategic cooperation in a given economic sector between key stakeholders





## **DRIVES OBJECTIVES**



#### Key deliverables of the project

- Analyse key trends in the automotive, covering whole value chain
- Identify skills gaps for foreseen changes
- Define the skills and job roles needed in the future
- Provide clear guidance for the education providers what will be required from the side of the industry
- Ensure mutual recognition of the skills and jobs across the EU
- Create a market place for specialised job roles in the automotive sector
- Provide around 1100 trainings across the EU and across the education institutions



### **PROJECT PARTNERS**



• Project Coordinator

#### VSB TECHNICAL ||||| UNIVERSITY OF OSTRAVA

• Steering Board Leaders



European Automobile Manufacturers Association



European Association of Automotive Suppliers



## **PROJECT PARTNERS**

• Work Package Leaders





## **PROJECT PARTNERS**



• Associated Partners (Members of Steering Board)







- research partner

## **INNOVATION AWARDS 2019**

4<sup>th</sup> editions

4 categories:

Environment

Safety

#### **Connectivity & Automation**

#### Cooperation

Supported by:









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#### More information on our **Brochures** and on our website

EURO PM 2018 Congress