



# European Sectoral Cooperation on Skills in the Automotive Sector

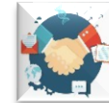
## DRIVES Project – The Blueprint in the Automotive Sector

Dr. Jakub Stolfa, VSB-TUO, DRIVES Coordinator, [jakub.stolfa@vsb.cz](mailto:jakub.stolfa@vsb.cz)

**SAM Webinars: Across the AM Industry: the Required Skills-set by the Different Sectors, 22th October 2021, online**



**January 2018 to December 2021**



Project assures cooperation between **24 full partners from 11 EU countries**



**Steering Board** has extra 10 associated partners, chaired by **ACEA**, co-chaired by **CLEPA, ETRMA**, as full project partners.

## Sectoral Intelligence

**Analyse key trends** in the automotive, covering the whole value chain

**Define the skills and job roles** needed in the future

**Analyse existing training offer** currently available for the trainings/upskilling

**Identify skills gaps** for foreseen changes

## Recognition

Ensure **mutual recognition** of the skills and job roles **across the EU**

**Create an EU-wide framework** that can be used throughout the EU and implemented in the EU regions – based on commonly used definitions

Regularly **deliver policy recommendations** reflecting the needs of the automotive sector to the European Commission

## Training Offer

**Create trainings** for selected skills and job roles in the automotive sector

**Provide as a pilot 1100 trainings across the EU** and across the education and training institutions

**Provide clear guidance for the education and training providers** on skills needs of the automotive industry

# DRIVES Sectoral Intelligence

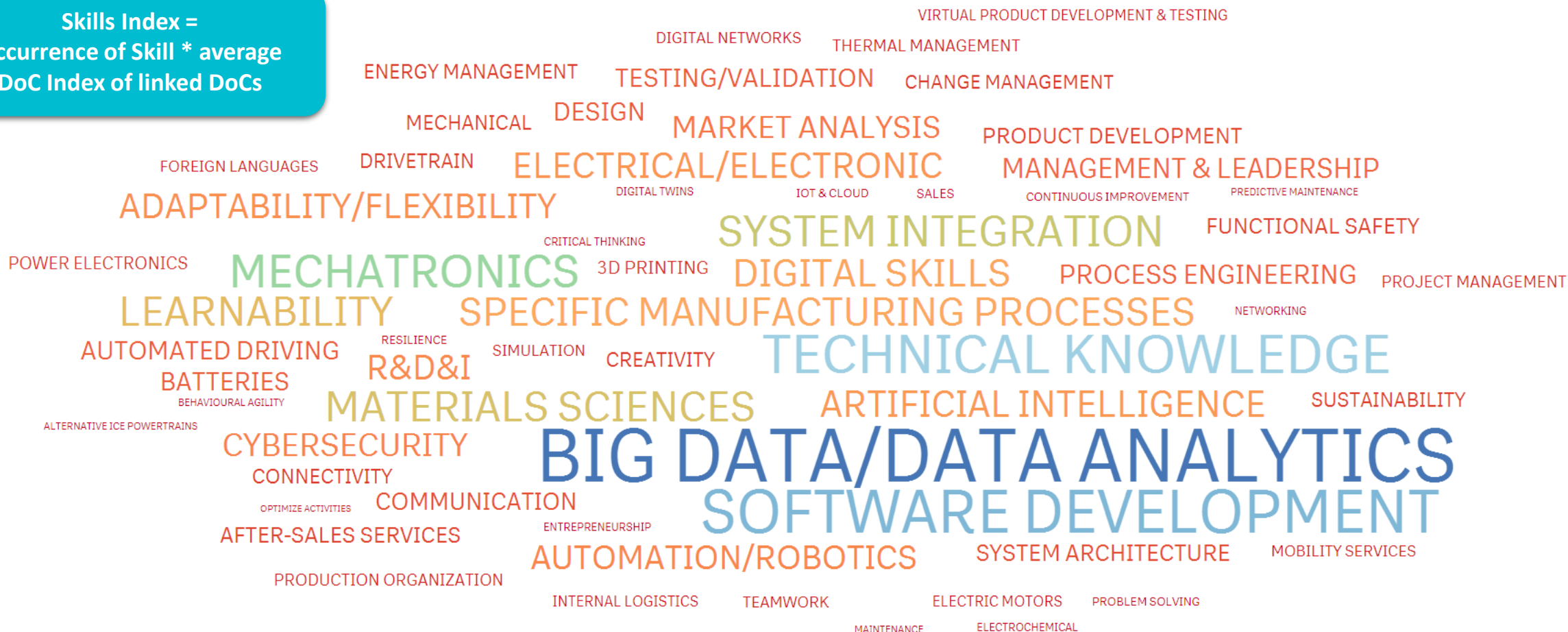
# Skill Needs – Skills Index

Sectoral Intelligence



DRIVES-D2.7  
Insights to Automotive Sector

Skills Index =  
Occurrence of Skill \* average  
DoC Index of linked DoCs



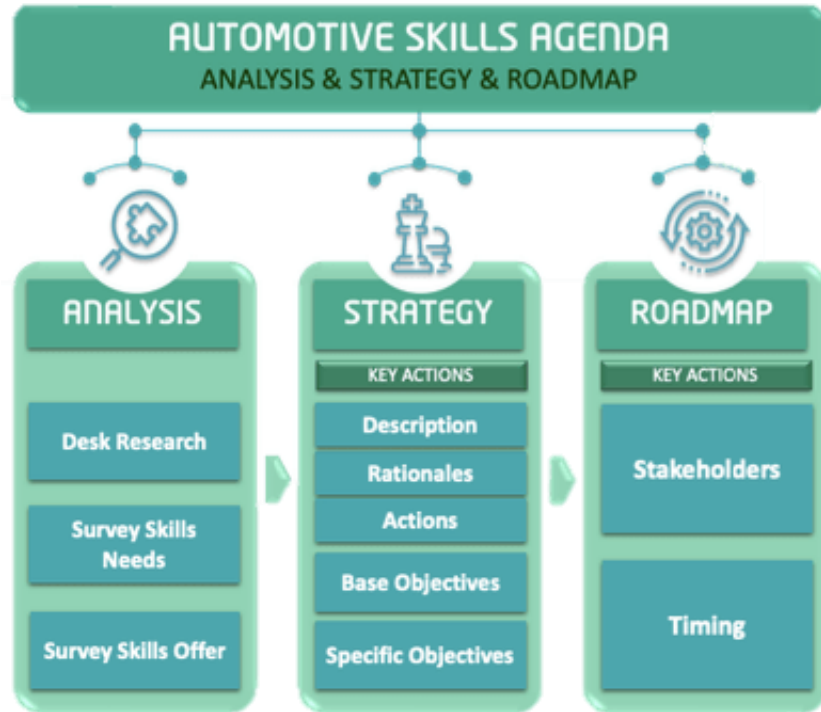


# Automotive Skills Agenda – Strategy & Roadmap

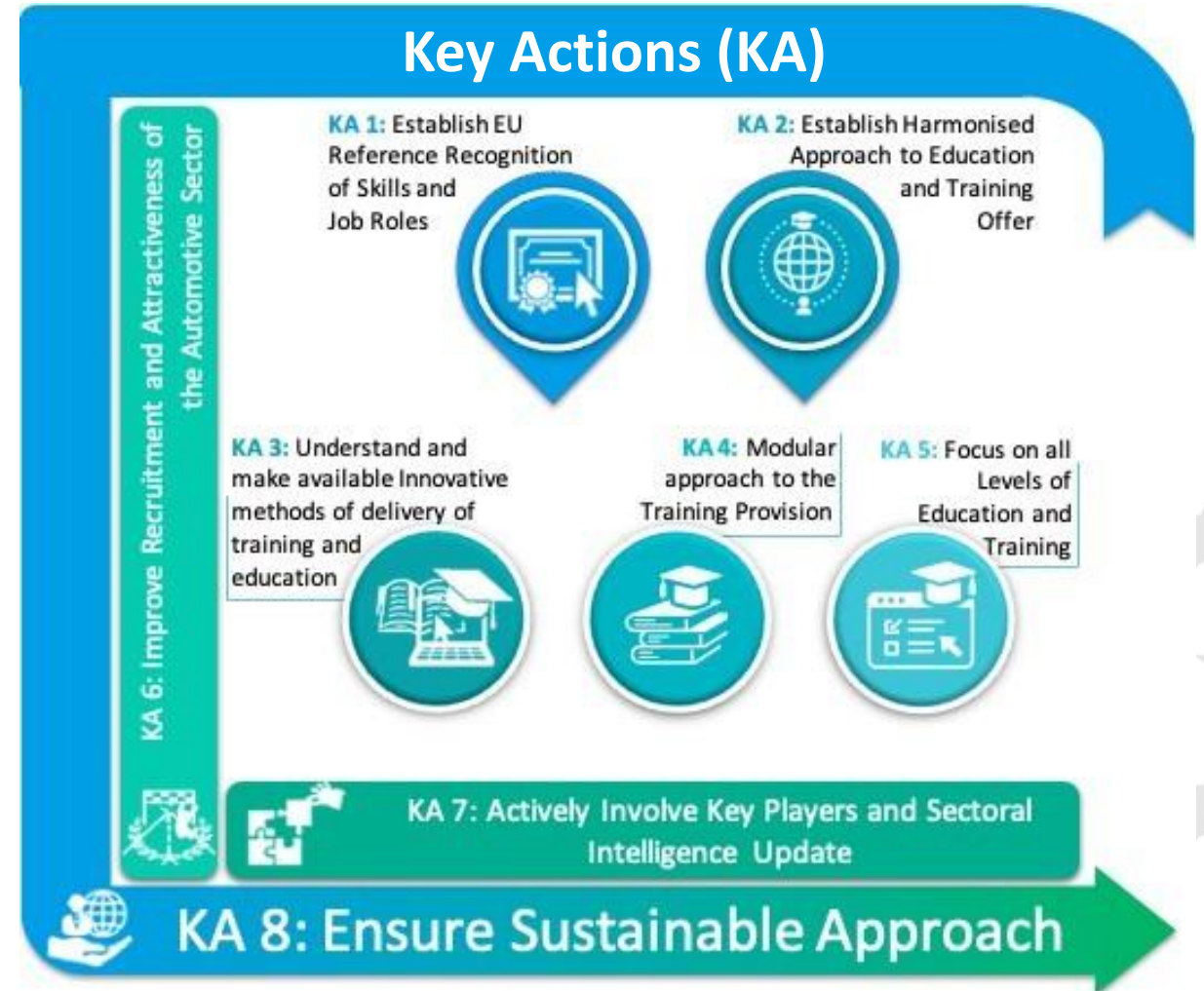
Sectoral Intelligence



DRIVES-D2.10  
Automotive Skills Agenda Strategy & Roadmap



- The **analysis** led to the **strategy** and **roadmap** for the Automotive sectoral skills agenda
- **Second release in December 2020**
- **Update planned in December 2021**



# Automotive Skills Intelligence – Apprenticeship

Sectoral Intelligence



DRIVES-D5.2

Report on the European Automotive Apprenticeship Marketplace

- **DRIVES Report on the European Automotive Apprenticeship Marketplace**
  - Focused on apprenticeship specifics in Automotive ecosystem
  - Underpin practical actions and intervention within the EU automotive apprenticeship marketplace
  - Summary of Key themes is described in [https://www.project-drives.eu/Media/Publications/158/Publications\\_158\\_20200825\\_15221.pdf](https://www.project-drives.eu/Media/Publications/158/Publications_158_20200825_15221.pdf)
  - Full report available at [https://www.project-drives.eu/Media/Publications/157/Publications\\_157\\_20200825\\_104825.pdf](https://www.project-drives.eu/Media/Publications/157/Publications_157_20200825_104825.pdf)
- **Good Practice Resource Tool**
  - Includes set of case studies – see <https://drives-compass.eu/good-practice-resource>
- **Planned to release** - Apprenticeship Comparison Tool

# DRIVES Training Offer





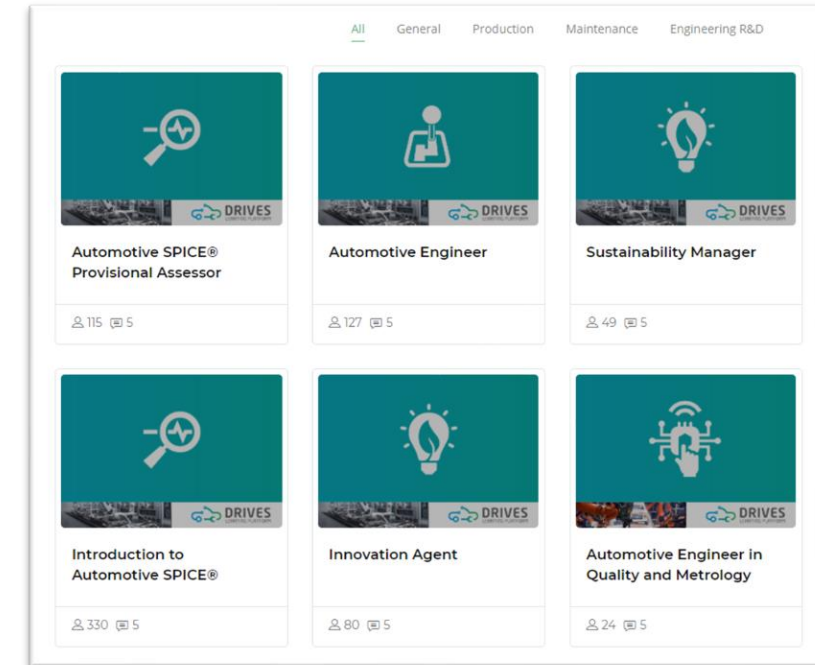
- Based on the **needs of industry identified via Survey Demand**, DRIVES project partnership is **worked on the definition of set of Job Roles**
- Each Job Role has [publicly available](#)
  - Short fact sheet
  - Skill cards documents describing the learning outcomes
  - Online browsing possibility

Job Roles Titles	Leaflet	Skills Cards	Portal
ADAS/ADF TESTING AND VALIDATION ENGINEER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
ARTIFICIAL INTELLIGENCE Technician	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
COMPUTER VISION EXPERT	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
MACHINE LEARNING Engineer	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
SENSOR FUSION EXPERT	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE ENGINEERING CAD, CAE, CAM	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
PRACTITIONER IN AUTOMOTIVE SPICE®	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
CONNECTED VEHICLES EXPERT	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
CONNECTED VEHICLES TECHNICIAN	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE CYBERSECURITY ENGINEER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE CYBERSECURITY TESTER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE CYBERSECURITY MANAGER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
RUBBER TECHNOLOGIST - BASIC LEVEL	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
ADVANCED POWERTRAIN ENGINEER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
FUNCTIONAL SAFETY MANAGER STRATEGY LEVEL	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
FUNCTIONAL SAFETY PROJECT MANAGER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
FUNCTIONAL SAFETY ENGINEER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
HIGHLY AUTOMATED DRIVE ENGINEER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE MECHATRONICS MANAGER AWARENESS LEVEL	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE MECHATRONICS MANAGER BASIC LEVEL	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE MECHATRONICS EXPERT	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE MECHATRONICS DEVELOPER	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
ADVANCED MANUFACTURING PRESS LINE SET-UP	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>
AUTOMOTIVE ENGINEER IN QUALITY AND METROLOGY	<a href="#">pdf</a>	<a href="#">pdf</a>	<a href="#">Browser</a>





- For DRIVES defined job roles the DRIVES partnership is providing **free of charge**
  - **Set of online trainings** in form of **MOOCs (28 online training courses)**
  - **Courses with trainer interaction** with specific date and capacity in 2021
- **DRIVES Learning Platform** [learn.drives-compass.eu](https://learn.drives-compass.eu)
- **Trainings are free of charge** and could be used **directly by companies** or **by training providers** in their trainings



# DRIVES Recognition of Skills and Job Roles

# EU-wide Framework for the Automotive Ecosystem

Recognition of Skills and Job Roles



[www.drives-compass.eu](http://www.drives-compass.eu)



**Reference Description of Competences/skills and Job Roles**

- Across the whole EU Automotive Ecosystem



**EU Wide Database of Training Courses for Automotive Ecosystem**

- Advertisement on the whole market, One-single-point to find the required training and training path



**Harmonized Approach to Recruitment and Mobility of Workforce Across the Sector**

- Digital Badge for skill/competence level achievement in form of Micro-credentials



**Quality Pledge of the Training Courses**

- Assured by mapping exercise of the course

[www.drives-compass.eu](http://www.drives-compass.eu)

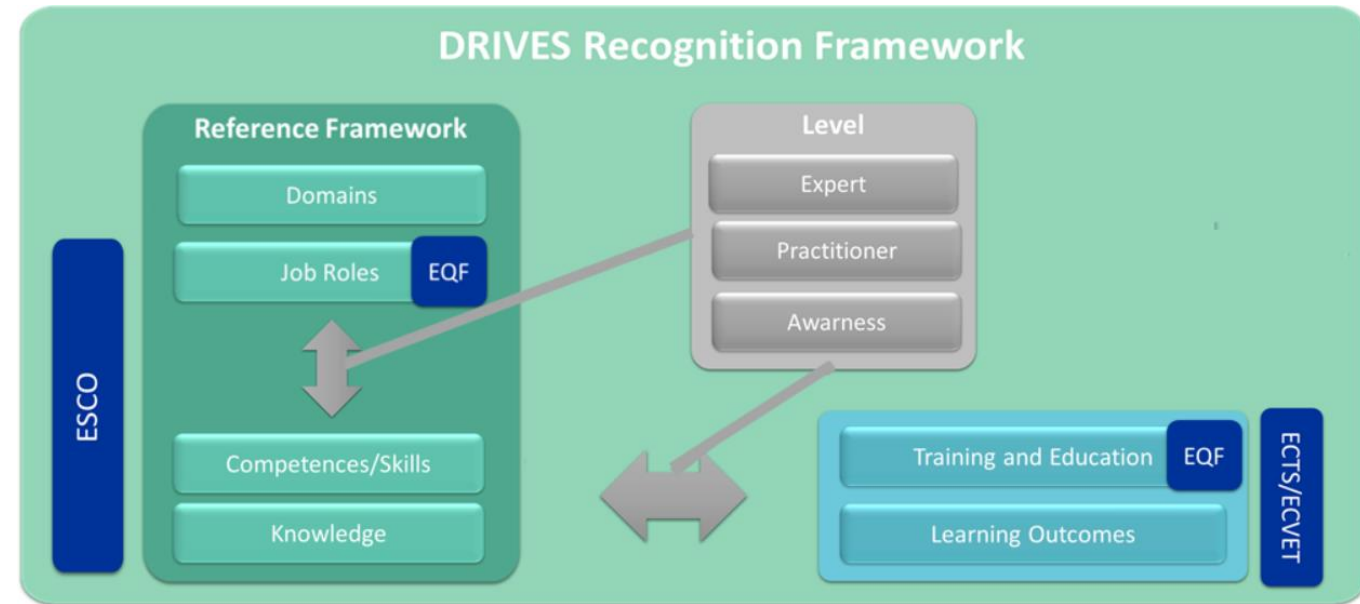
# EU-wide Framework for the Automotive Ecosystem

Recognition of Skills and Job Roles



[www.drives-compass.eu](http://www.drives-compass.eu)

- **Three levels** defines the **maturity** of the **Competence/Skills** needed for particular Job Role
- The same levels are applied to **mapping of Training and Education to Competence/skills** provided by the Training and Education



[www.drives-compass.eu](http://www.drives-compass.eu)



# Automotive Ecosystem Skills Agenda

The way forward

Automotive Skills Alliance



- Sustainable collaboration on skills agenda topics in the Automotive Ecosystem
- ASA is also partnership of European Skills Agenda, Pact for Skills in Automotive Ecosystem
- The ASA mission is to bring together different kind of stakeholders involved in the Automotive ecosystem and to ensure continuous, pragmatic and **sustainable cooperation on the skills agenda** in the ecosystem. Including Massive workforce **upskilling and reskilling across the automotive ecosystem**
- ASA was fully **launched in January 2021**, having currently **more than 75 supporters** across Europe
- ASA builds upon the work carried out by projects in the skills agenda for the ecosystem, and based on the Blueprint partnership collaborations – **DRIVES (2018 - 2021)**, **ALBATTIS (2019 - 2023)**

# ASA MEMBERS



## Industry



## Social Partners



## Other partners



## Regions

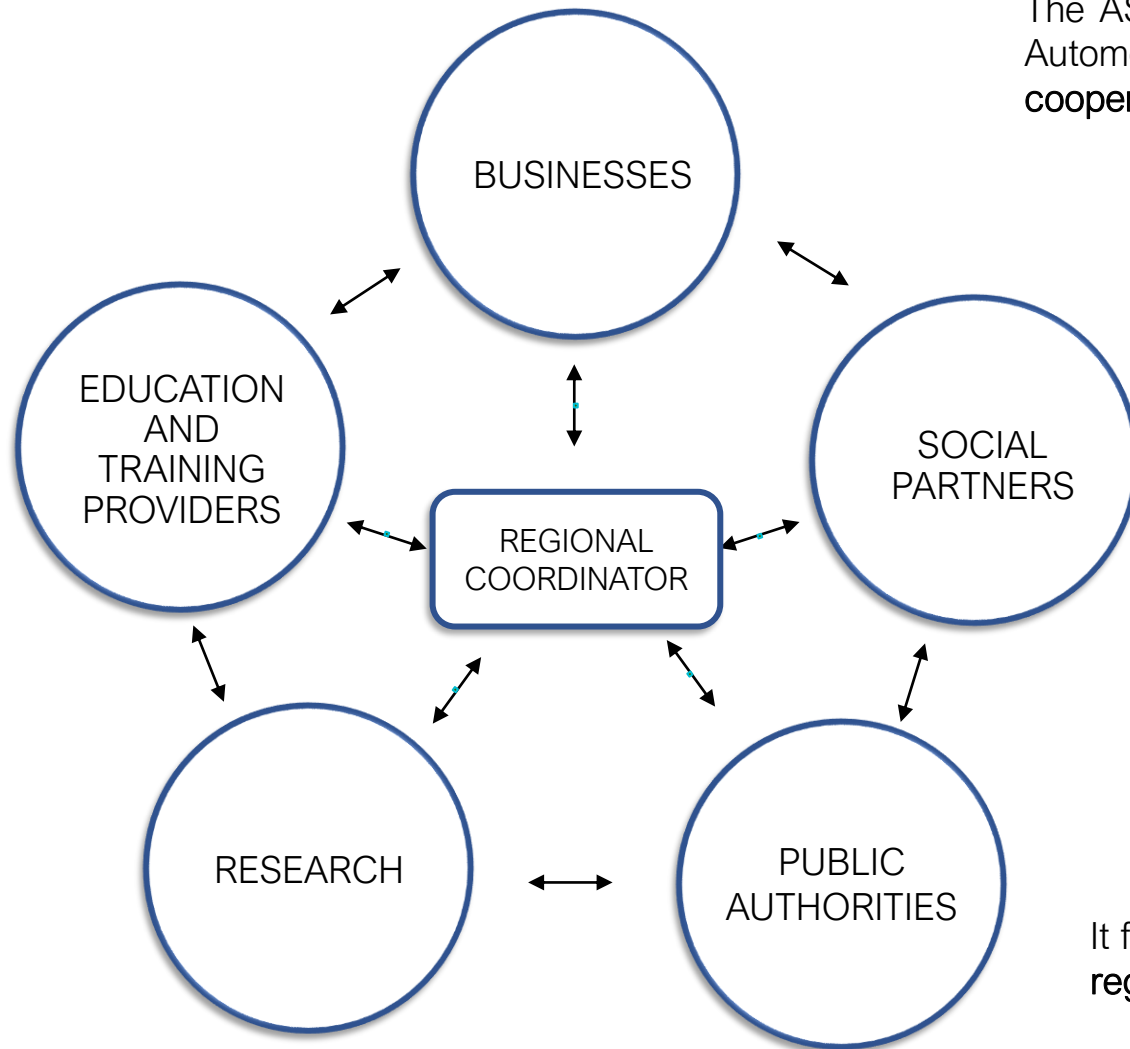


## Training providers





The ASA mission is to bring together different kind of stakeholders involved in the Automotive ecosystem and to ensure **continuous, pragmatic and sustainable cooperation** on the skills agenda in the ecosystem.



It further aims to ensure collaboration on a **European level, as well as on national and regional levels**, between all the involved stakeholders in the Automotive ecosystem.

# WORKING TOGETHER



**Platform for up- and reskilling Stuttgart Region in the Automotive and Manufacturing Sector:** one-stop-shop for SMEs to answer all question in the field of up- and reskilling. The companies receive information, platform offers and guidance to the different services and offers from the entire partner network.

*ASA allows us to gain a lot of knowledge and expertise, to raise the profile of our region on the European level, enlarge or network and most of all, work with skilled and very dedicated experts in this field.*

*Collaboration and sharing best practices how to deal with the regional transformation. Get skills that are not in local environment through ASA collaborations. Recognition of the regional up-re skilling project, activities and skills achievements*

**Moravian-Silesian region:** The goal is to up-/re-skill 5000 people up to year 2026 in Mobility ecosystem. The project will support regional transformation from coal mining and related activities to modernized and green mobility industry and ecosystem.

- Skills are motor and enabler of innovation – some are becoming an increasingly rare and critical raw material!
- Particularly true for sectors where drivers of change are most fundamentally changing the industry.

→ Attention to skills in a certain eco-system needs to be a priority at all levels.

→ Work at regional level is key to make this a reality.

[www.automotive-skills-alliance.eu](http://www.automotive-skills-alliance.eu)





## Thank you for your attention

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More information at:

[www.project-drives.eu](http://www.project-drives.eu)

DRIVES is a project under **The Blueprint for Sectoral Cooperation on Skills in Automotive Sector**, as part of New Skills Agenda.

The aim of the Blueprint is **to support an overall sectoral strategy and to develop concrete actions to address short and medium term skills needs.**

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