

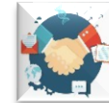
European Sectoral Cooperation on Skills in the Automotive Sector

DRIVES Project – The Blueprint in the Automotive Sector

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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

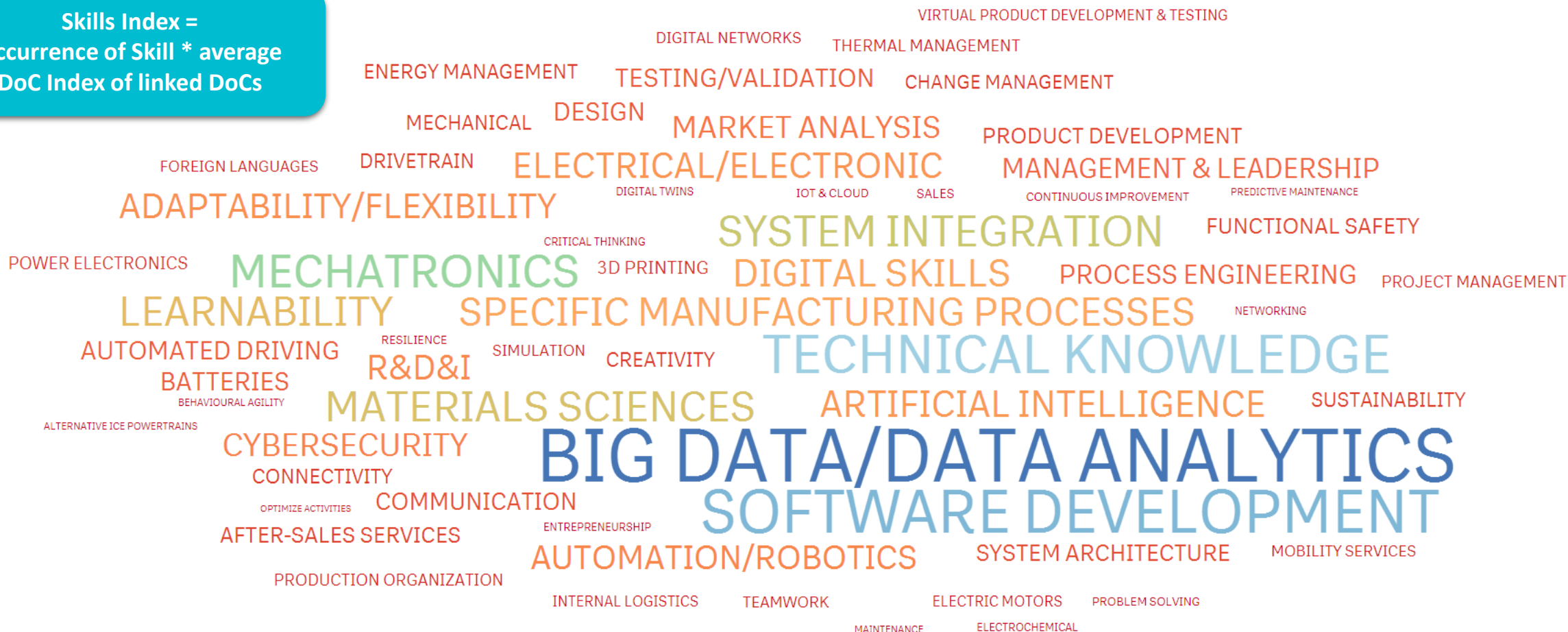
Skill Needs – Skills Index

Sectoral Intelligence



DRIVES-D2.7
Insights to Automotive Sector

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

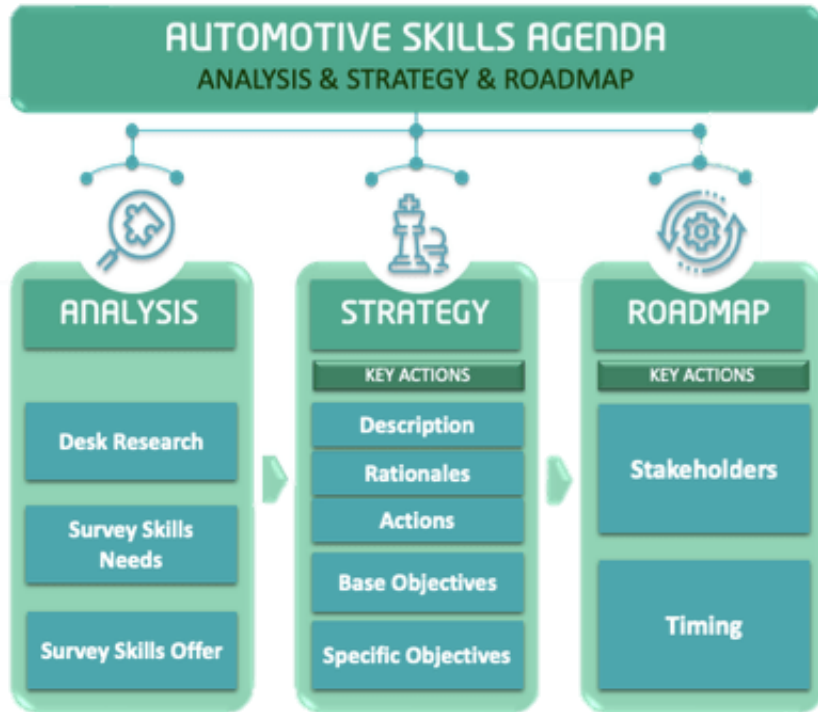


Automotive Skills Agenda – Strategy & Roadmap

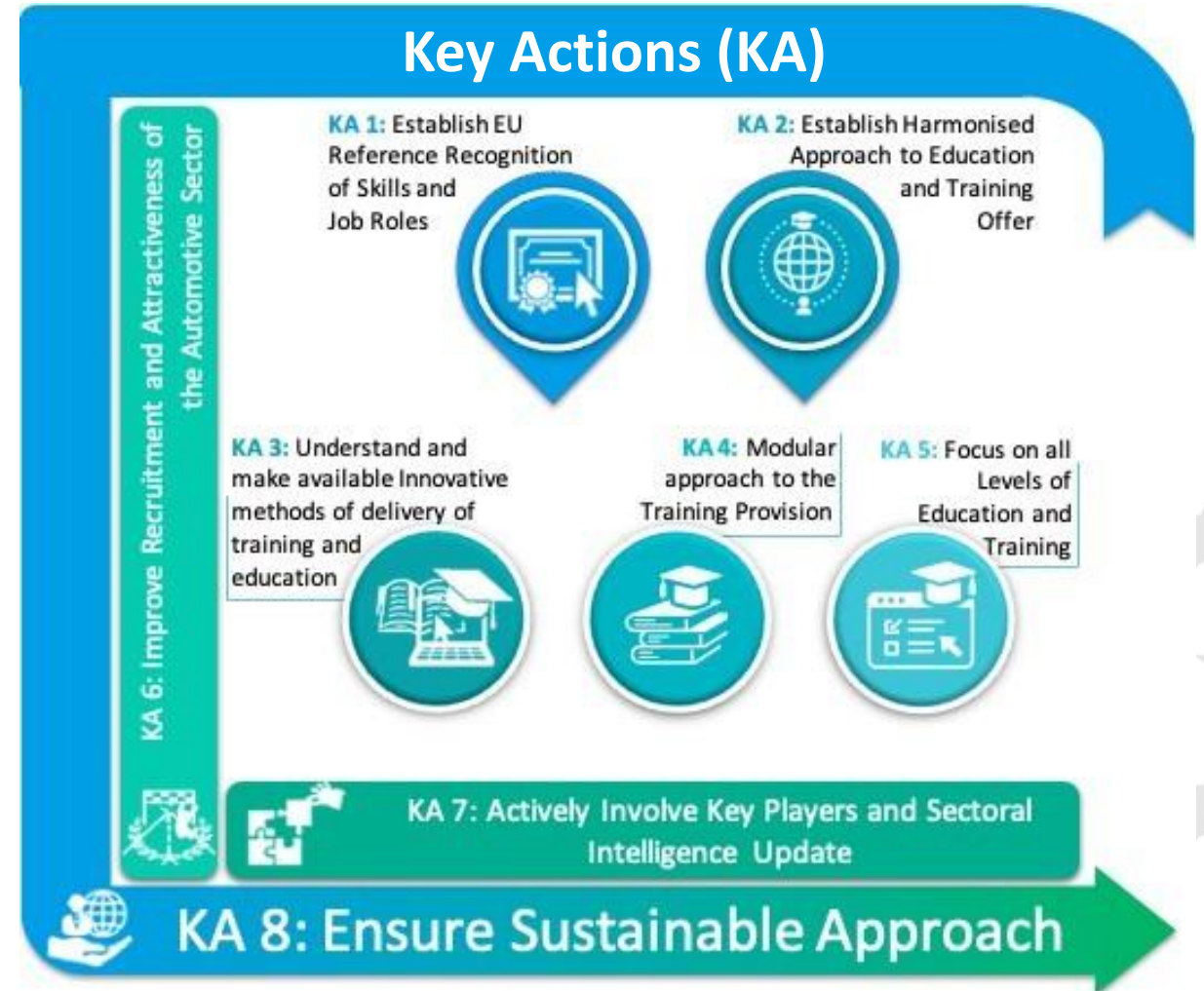
Sectoral Intelligence



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 in December 2021**



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	pdf	pdf	Browser
ARTIFICIAL INTELLIGENCE Technician	pdf	pdf	Browser
COMPUTER VISION EXPERT	pdf	pdf	Browser
MACHINE LEARNING Engineer	pdf	pdf	Browser
SENSOR FUSION EXPERT	pdf	pdf	Browser
AUTOMOTIVE ENGINEERING CAD, CAE, CAM	pdf	pdf	Browser
PRACTITIONER IN AUTOMOTIVE SPICE®	pdf	pdf	Browser
CONNECTED VEHICLES EXPERT	pdf	pdf	Browser
CONNECTED VEHICLES TECHNICIAN	pdf	pdf	Browser
AUTOMOTIVE CYBERSECURITY ENGINEER	pdf	pdf	Browser
AUTOMOTIVE CYBERSECURITY TESTER	pdf	pdf	Browser
AUTOMOTIVE CYBERSECURITY MANAGER	pdf	pdf	Browser
RUBBER TECHNOLOGIST - BASIC LEVEL	pdf	pdf	Browser
ADVANCED POWERTRAIN ENGINEER	pdf	pdf	Browser
FUNCTIONAL SAFETY MANAGER STRATEGY LEVEL	pdf	pdf	Browser
FUNCTIONAL SAFETY PROJECT MANAGER	pdf	pdf	Browser



- 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** to be fully available in 2021; **23 already available**)
 - **Courses with trainer interaction** with specific date and capacity in 2021
- **DRIVES Learning Platform** 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



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

Conclusions



Conclusions - Key Findings Related to Future Skills?

- **Technical skills**, but also specific **soft skills**
- **Modular training courses**
- Focus on **all levels of education**, but especially **lower levels**
- **Harmonized approach to recognition** of skills and job roles achievements
- **Sustainable and pragmatic cooperation on European and regional levels is the must**

Conclusions - Main challenges to improve future skills?

- **Time**
 - Industry needs to **react immediately**
 - **Education system** is less flexible, **the reaction takes more time**
 - **Professional trainings and VETs** is the key
- **Information**
 - **Understanding the skills needs** in flexible and reactive way
 - **Sharing best practices**
 - **Provision/sharing this skills intelligence** to right stakeholders in time and format
 - **Support individuals** in their learning paths
- **Finances**
 - **Understand and access** all possible **relevant funding** – EU, National and Regional level
 - **Facilitate public** and **stimulate private funding**



Conclusions – Best Practices from DRIVES?

- **Single point of training courses** offered towards the Automotive Ecosystem with digital badges feature – DRIVES Framework
- **Set of online and blended learning courses** developed by DRIVES – DRIVES Learning Platform
- **Sectoral Skills Strategy and Roadmap** – to clearly define Key Actions and Stakeholders involved
- **Set of good practices** on the DRIVES Compass platform
- **Win-win solution**
- **The long term and sustainable cooperation** is the key – not within the ecosystem/sector only, but also **throughout the ecosystems/sectors**

- **Industry is facing rapid transition** and change of workforce skills structure
- **Regional implementation** of the **massive workforce up-/re-skilling** is a key to tackle those challenges
- Large-scale multi-stakeholder **skills partnership** addressing the **needs of Automotive/Mobility Ecosystem**. Established under **Pact for Skills** action of the **European Skills Agenda**.
- **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)**
- Launched in November 2020, up to now more than **70 stakeholders** from across Europe, including **8 regions or municipalities**



Thank you for your attention

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Stakeholder registration

More information at:

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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