



# DRIVES Framework

## Deliverable 4.2.1 European Recognition Framework for Automotive

WP4 Skills Transferability, [www.project-drives.eu](http://www.project-drives.eu)



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# Context



# Deliverable Context and Purpose

- This deliverable served for presentation purposes to raise awareness and explain the DRIVES Framework in its early phase of the framework development
- In case you are interested in the latest information about the Framework, please follow:
  - Website dedicated page: [Project DRIVES \(project-drives.eu\)](https://project-drives.eu)
  - Platform: [Home - Drives Compass \(drives-compass.eu\)](https://drives-compass.eu)
  - Objectives: [Objectives - Drives Compass \(drives-compass.eu\)](https://drives-compass.eu)
  - Structure: [Structure - Drives Compass \(drives-compass.eu\)](https://drives-compass.eu)
  - Mapping: [Mapping Approach - Drives Compass \(drives-compass.eu\)](https://drives-compass.eu)
  - Documentation: [Wiki - Drives Compass \(drives-compass.eu\)](https://drives-compass.eu)
  - API Documentation: [Wiki - Drives Compass \(drives-compass.eu\)](https://drives-compass.eu)



# Introduction



- **Reference recognition and description of job roles and competences** across EU Automotive Industry
- **EU database of training courses for Automotive Industry** - as “broker” between industry skills/competence/job roles needs and training offer
  - Advertisement on whole EU market
  - Possibility for industry to choose “the right training” and “training path”
  - Possibility for training providers to see skills and their levels of training need and prepare new training courses “on demand”



- **Harmonized approach to recruitment and Mobility of workforce across the sector**
  - Digital Badge for level of Competences/Skills achieved
- **Quality pledge of the training courses across EU**
  - Assured by mapping exercise (plug-in to the framework – slide 12)



- Following Automotive Skills Agenda Strategy and Roadmap
  - **KA 1: Establish EU Reference Recognition of Skills and Job Roles**
  - **KA 2: Establish Harmonized Approach to Education and Training Offer**
- Stimulating
  - **KA 4: Modular Approach to the Training Provision**



DRIVES-D2.9

Automotive Skills Agenda Strategy & Roadmap

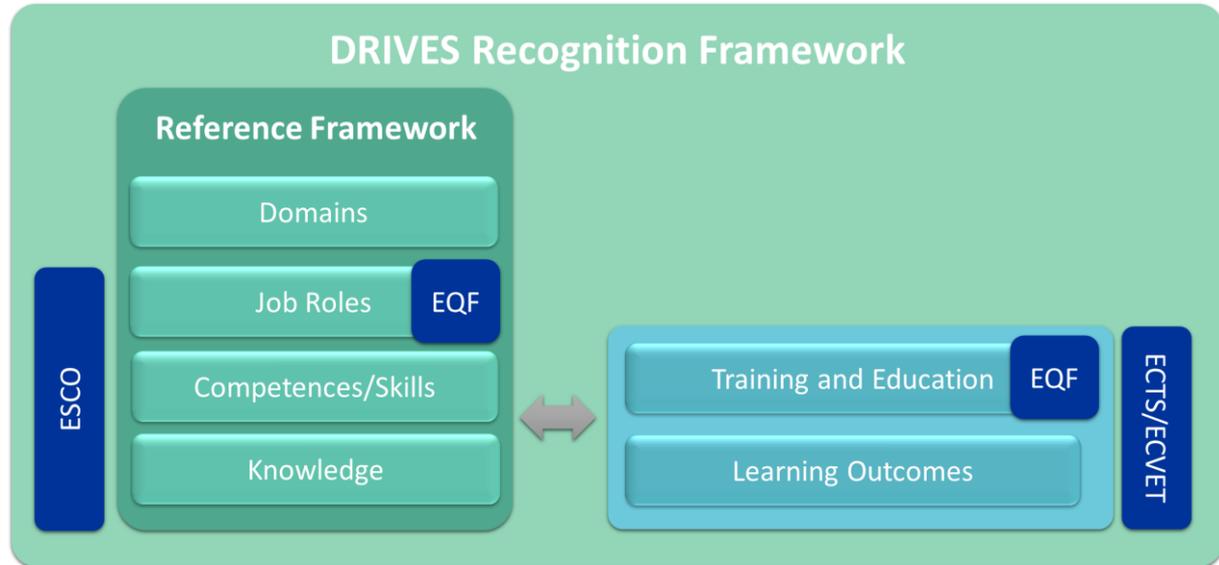
- 1<sup>st</sup> Release



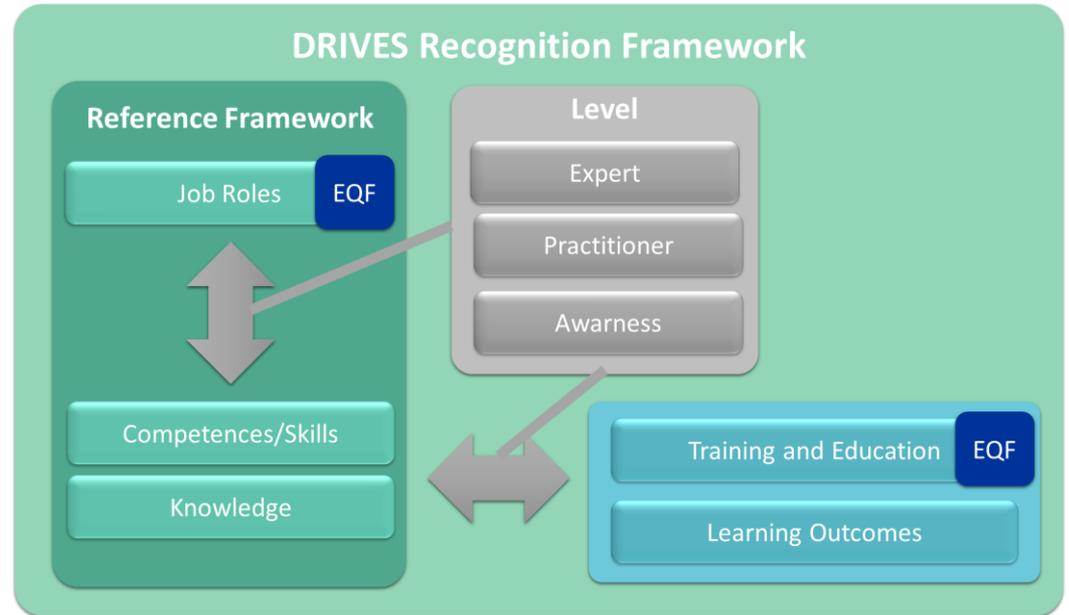
# DRIVES Framework – Basic Structure



- Reference definition of Automotive specific Job Roles and its Competences/Skills and Knowledge on desired levels
  - Compliant with ESCO, EQF
- Mapping to existing Training and Education
  - Providing ECTS/ECVET



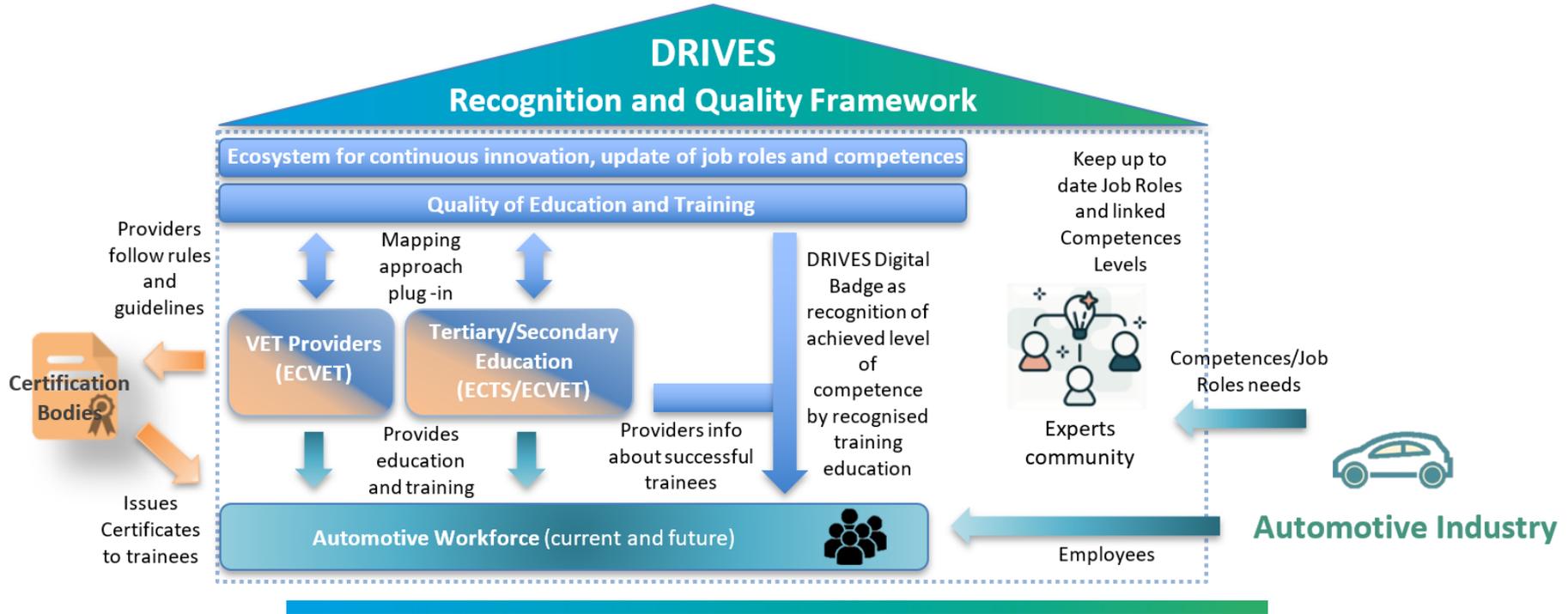
- **Three levels** defines the **maturity** of the Competence/Skills needed for particular Job Role
- The same levels are applied to **mapping of Training and Education to Competence/skills** provided by the Training and Education



# DRIVES Framework Overview



# Overview of Overall DRIVES Framework

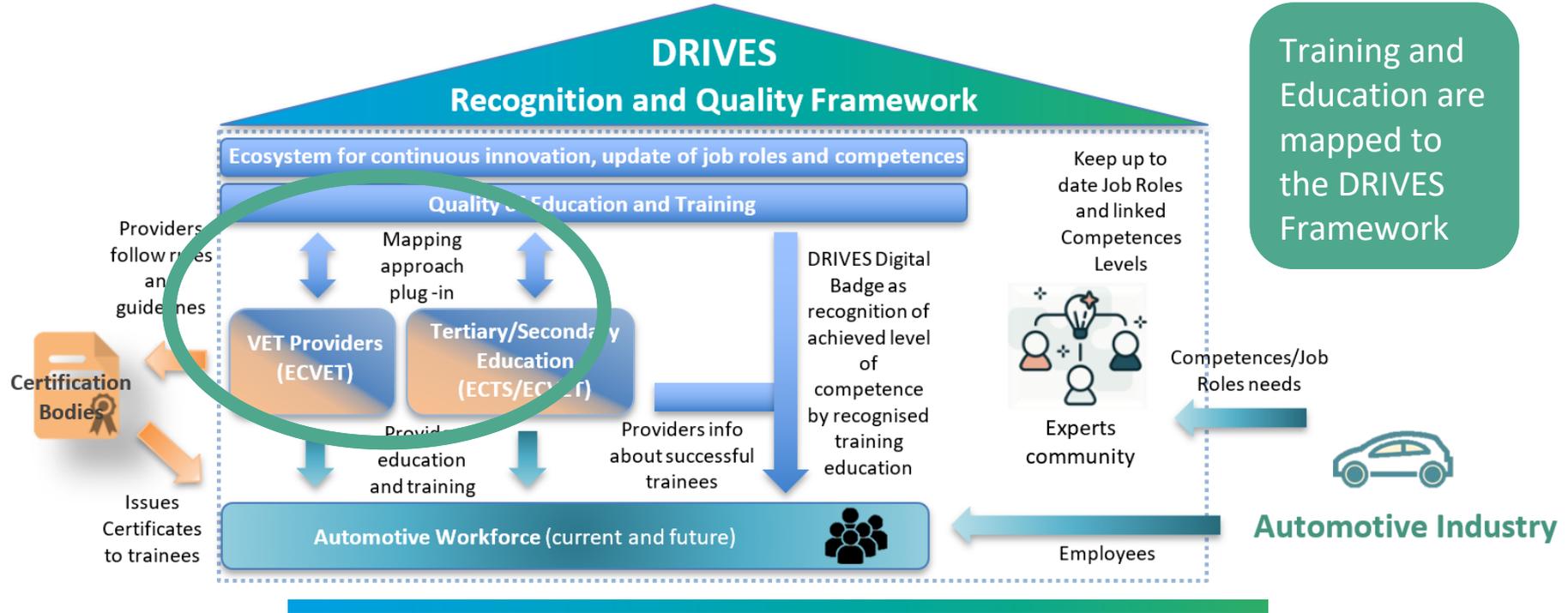


# DRIVES Framework Overview

## Mapping Approach



# Mapping approach – Plug-in



# Mapping approach – Plug-in



# Mapping approach – Plug-in

- By that **training courses are offered in the DRIVES Framework** online platform
- **Training courses are recognized and offered across EU**
- **Trainees** could receive a **DRIVES Digital Badge** when they complete their training alongside the traditional certificate (outside the Framework)

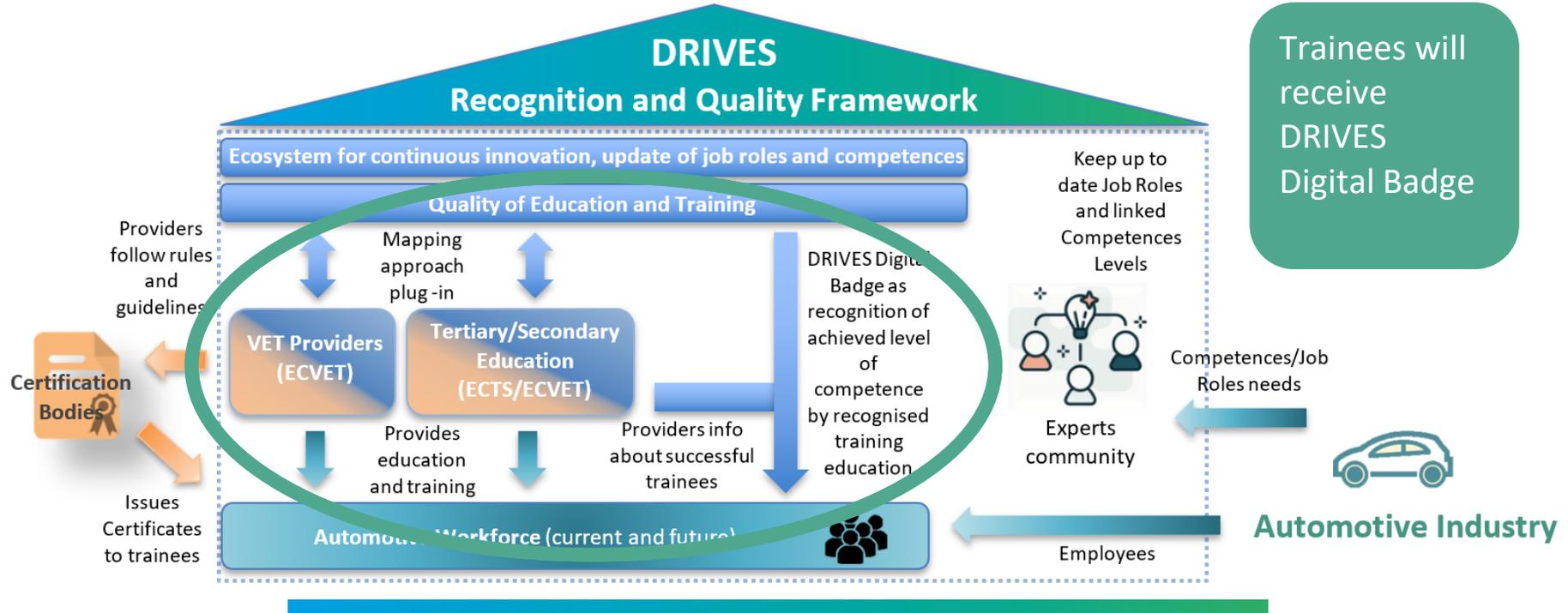


# DRIVES Framework Overview

## DRIVES Digital Badge



# DRIVES Digital Badge



- **Digital Badge** is proven and recognized **achievement of Competence(skill) and its level**
  - E.g. Artificial Intelligence – level Expert
- **Digital Badge is parallel to existing certificates**
- **Trainee** after successful training **receives DRIVES Digital Badge for Competence(skill) and its levels achieved**
  - Could see it in the system, share to social networks/CV, etc.
- **Training organization** with its training courses plugged-in DRIVES Framework **register trainees to the system** to be able to receive DRIVES Digital Badge

- **Trainee based on successful completion of training course receives the DDB (Drives Digital Badge) for all competences/skills (on defined levels) linked to the training.**
  - E.g. Training 1 – Competence/Skill 1 Expert, Competence/Skill 2 Awareness >>> DDB Competence/Skill 1 Expert, DDB Competence/Skill 2 Awareness
- **Possibility to add type of achievement** - Defined by the training info in DRIVES Framework
  - Passive (e.g. listening to presentations)
  - Active (e.g. exam, project)

# DRIVES Digital Badge – Procedure for Achievement

- **Training organization which performed the training plugged into the DRIVES Framework registers trainees to the system**
- **Automatic**
  - **SW API to the DRIVES Framework to automatically submit information about successful trainee**
- **Manual**
  - **Training organization logs in to DRIVES Framework page and enters information about successful trainees to the system**

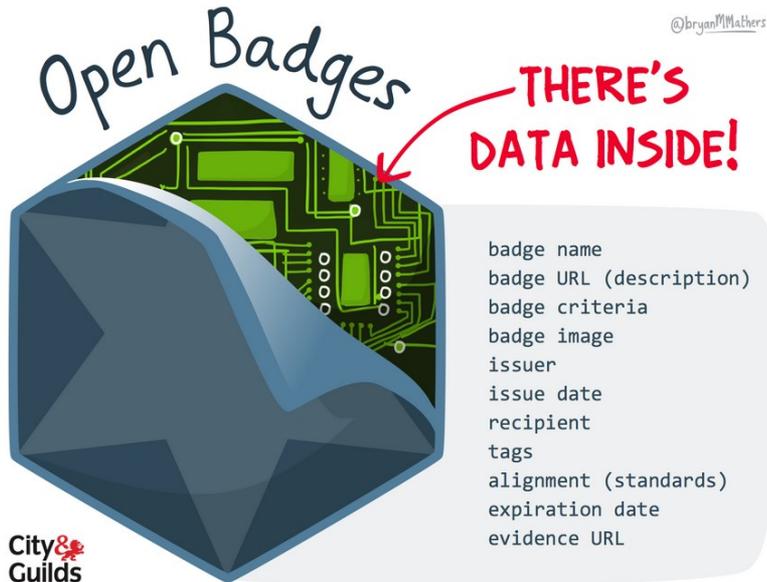


# DRIVES Digital Badge – View

- Trainee could see **it in their account on the DRIVES Framework**
- Could **share/link to social network and other media, such as CV**
- Could generate **DRIVES “Job Role Badge” – collection of all badges received and valid for particular job role**
  - E.g. If person receives all competences/skills related to particular job role/s could receive generated Job Role Badge



# DRIVES Digital Badge – What is it?



City & Guilds

Open Badges Peeled by [Bryan Mathers](#) (Used under CC-BY-ND License). See more of Bryan's badges work on [#OB101](#)

- Based on technology solution from <https://openbadges.org/get-started/issuing-badges/#>



- **Badge provide a flexible way to recognize learning wherever it happens, in and out of formal education and the workplace. They can represent any achievement from simple participation to evidence-backed competency development**



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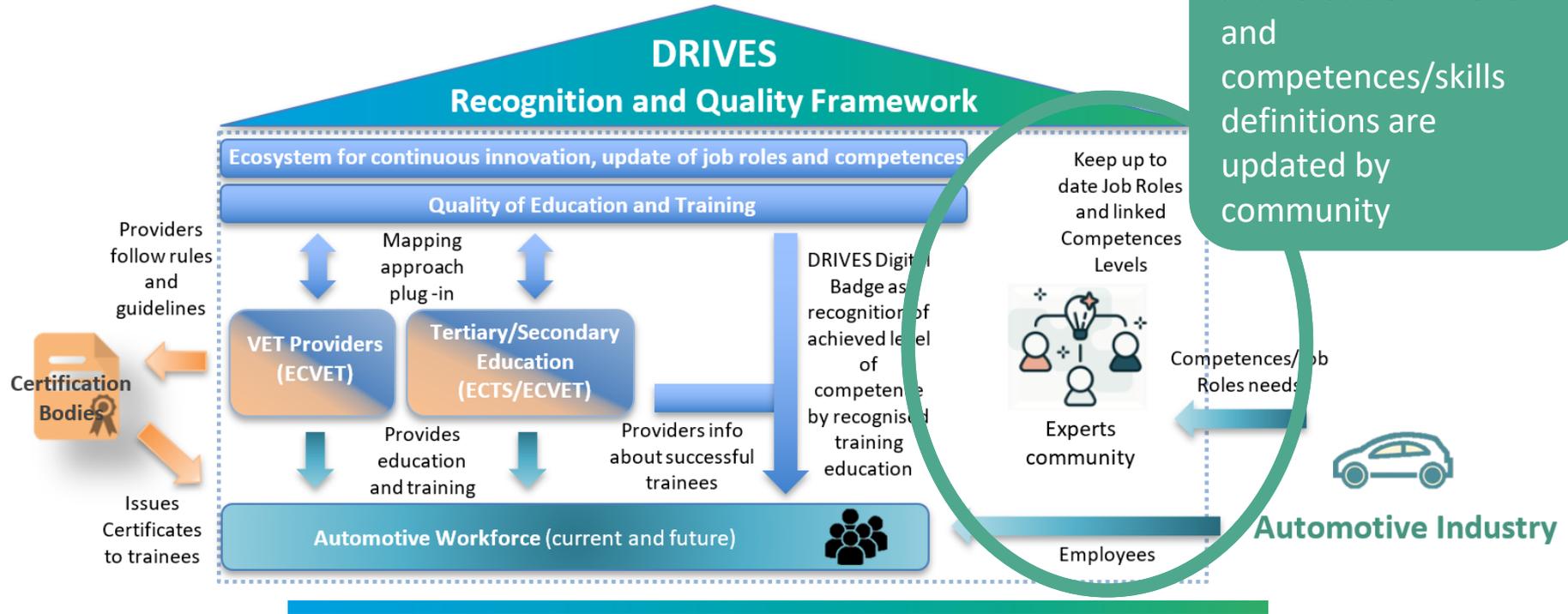
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# DRIVES Framework Overview

## DRIVES Ecosystem for Job Roles and Skills update



# Ecosystem for Continuous Update



- **Job roles definitions and competence/skills definitions** in the system needs to be continuously updated – reaction to the changes in the sector, expanding to the other domains in the sector
- **Update by**
  - **Community approach** – Automotive stakeholders community (training providers, certification bodies, companies, academia, etc.) could update job roles and competence/skills definitions and its linkage online with approval process
  - **Community meetings** (domain focused, skills focused, etc.) – focused to discuss the latest job roles and skills
  - **Survey inputs** – propose changes to wiki community
- By that actual and sector specific list of **competence/skills and linked job roles in Automotive Sector**



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## Challenge: FIND THE RIGHT LEVEL OF DEFINITIONS

- to match **industry** understanding
- to match **training** description

Note. Not too detailed, not too high-level > Definition and continuous **update by the Community**



# DRIVES Framework Overview

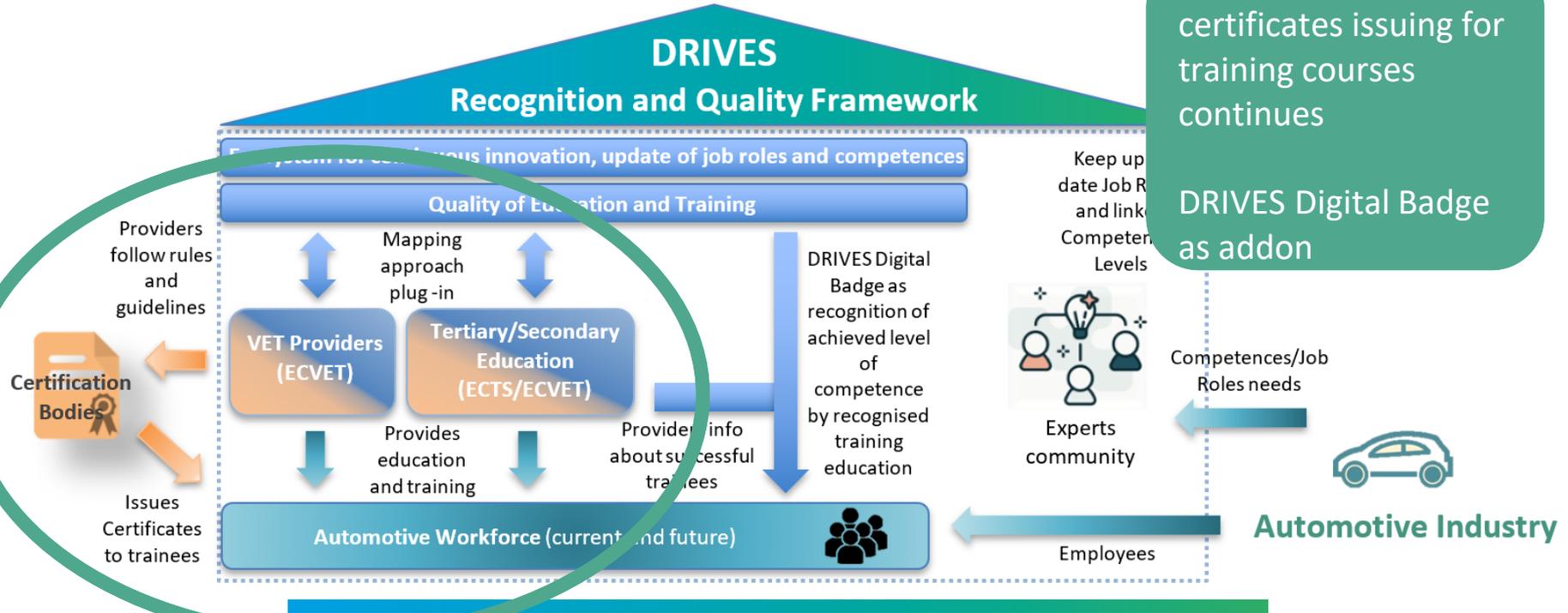
**Improvement of current system  
NOT disruption**



# Improvement of Current System NOT disruption

Current existing certificates issuing for training courses continues

DRIVES Digital Badge as addon



# Improvement of current system NOT disruption

- **Certificates issued are still valid and used**
- **DRIVES Digital Badge is just add on** to endorse achieved level of competence/skill and to allow mutual recognition across EU Automotive sector
- One is supporting the other by **quality assurance and recognition**
  - **Training courses with recognized certificates adhere to rules considered as trusted**
  - Others need quality assessment or self assessment



# Conclusions

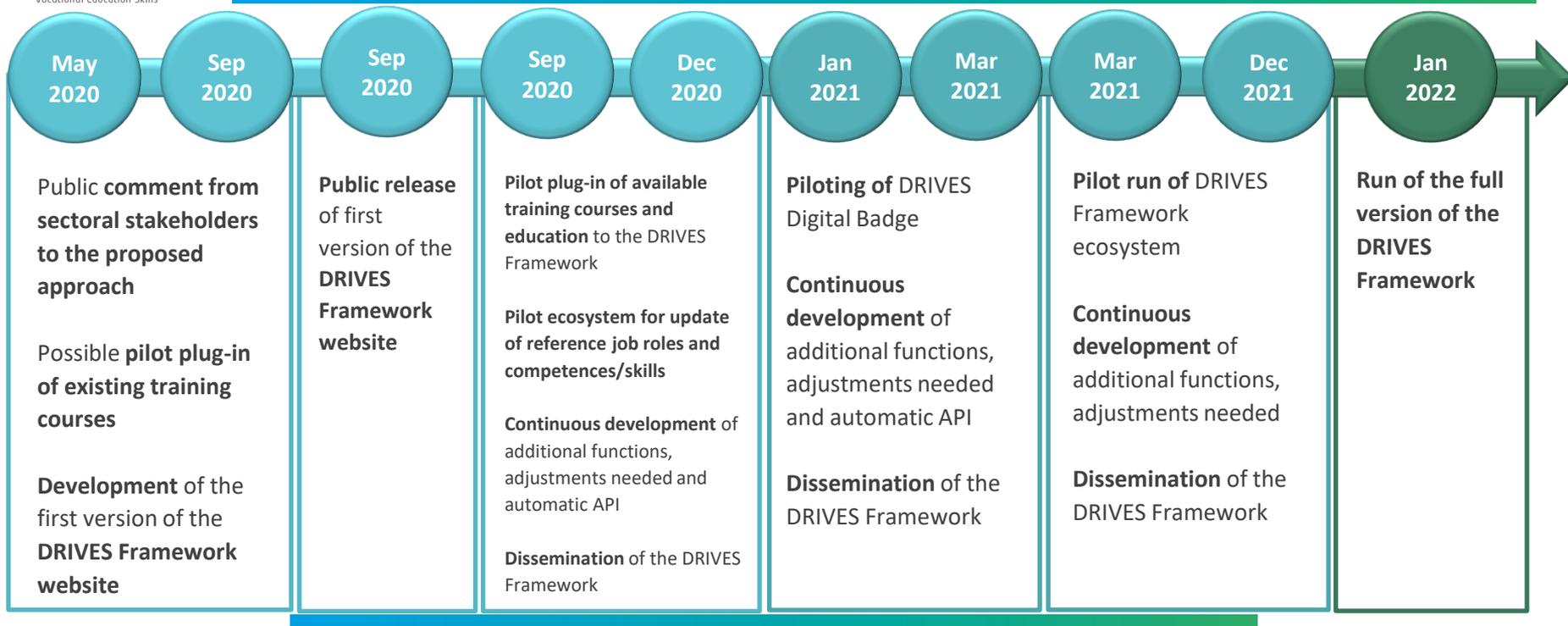


- Provides **simplified and harmonized approach to upskilling and reskilling** of the current and future workforce
- Provides **clear definitions of Job Roles and its Competences/skills**, specific for Automotive Sector
- Provides **EU database of training courses and education in the sector**
- Provides **recognition of competence/skills awards**



- Main features:
  - **Continuous update of Job roles and its Competences/skills definitions** - Expert community approach
  - **Database of training courses for Automotive Sector** (paid/free, onsite/online, with certificate/without certificate, etc.)
  - **DDB - DRIVES Digital Badge** for achievement of the level of competence/skill by plugged-in training
- Based on the main features, “smart” features:
  - **Assessment own competences/skills**
  - **Training path** definition to gain desired job role and its competence/skill levels

# DRIVES Framework – Timeline





# Thank you for your attention

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- **USE CASE – Company need to react on industry change and retrain their 1000 operators in production at XYZ Country**
  - Identification of **Competence/Skills** and their **Levels** needed – e.g. Artificial Intelligence – Awareness
  - **Find training courses** offering the competence/skill on this level in **DRIVES Framework**
  - **Choose the training** that fits the most (location, price, skills cover, type of training, ...)
  - Train operators
  - Operators **receives DRIVES Digital Badges** – their level of competence/skill is recognized in EU



- **Preview version (mockup) of basic functionalities of DRIVES Framework**
  - <https://drivescloud.vsb.cz/mockup/>



# Project Deliverable Title



# Project Deliverable Title (1)

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# Project Deliverable Title (2)

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