



AUTOMOTIVE SKILLS ALLIANCE (ASA)

TOOLS

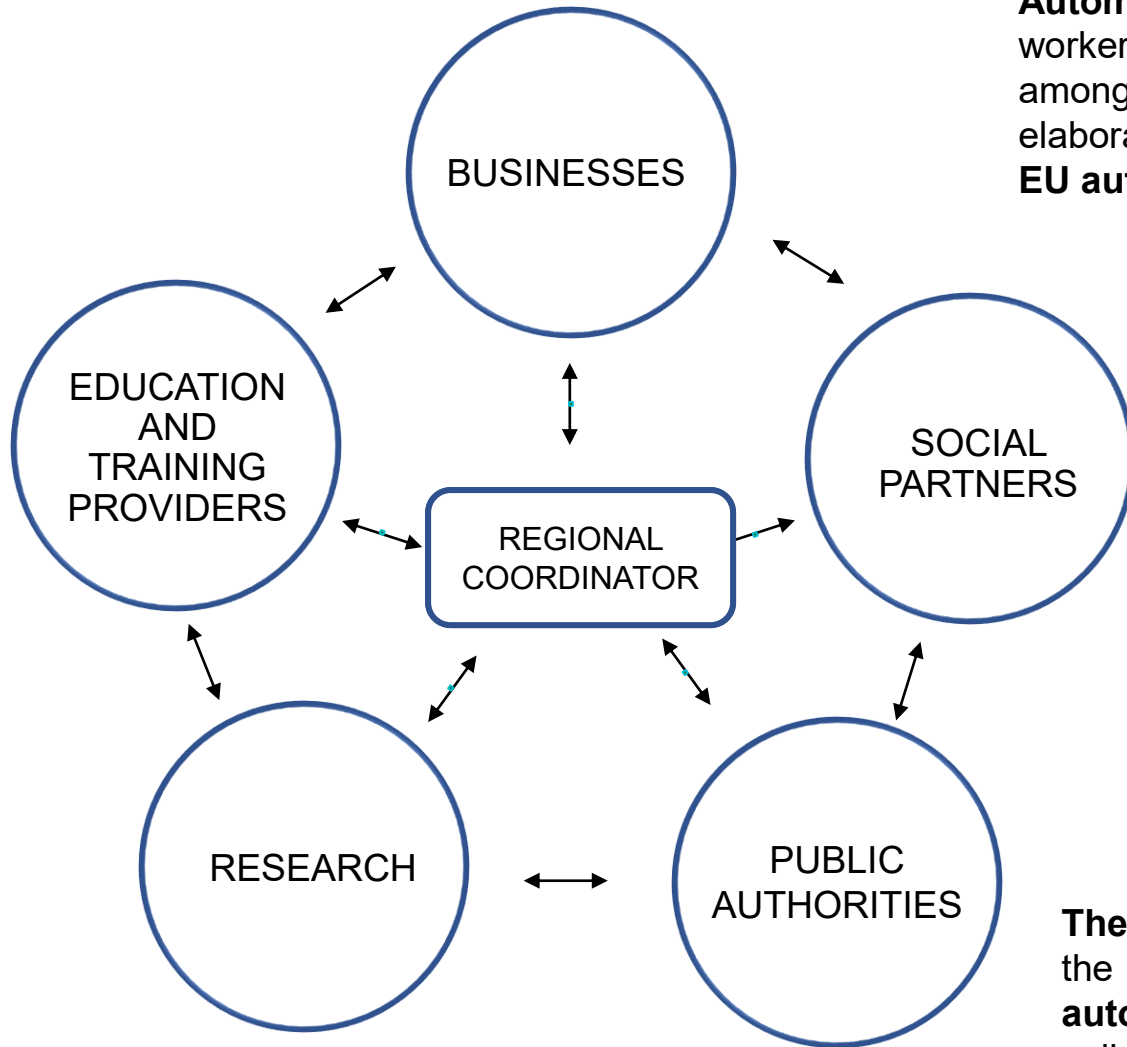
Dr. Jakub Stofa,
VSB-TUO, Automotive Skills Alliance President, js@skills-alliance.eu

29 August 2022, EuroSPI Technology Day 2022, Online



Automotive Skills Alliance

- ❖ **Europe&Stakeholder-wide Partnership** for collaboration on **Skills Agenda in the Automotive-Mobility Ecosystem**
- ❖ **ASA** was annouced and officially **launched in November 2020**
- ❖ **ASA** became **legal entity** (non-profit organization) in **January 2022**



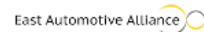
Automotive Skills Alliance is focused on the re-skilling and up-skilling of workers in the automotive sector, developing intelligence and fostering dialogue among all relevant partners and stakeholders in the sector and supports the elaboration of **specific plans for re- and upskilling, training of workers in the EU automotive sector.**



The ASA mission is to contribute to a better **coordination of relationships** at the **European level** of all the **relevant national or regional stakeholders** in **automotive ecosystem**, in order to ensure and develop a common platform for collaboration and best practice sharing across borders. In this regard, ASA intends to ensure continuous, **pragmatic and sustainable cooperation on the skills agenda in the ecosystem.**

Current ASA Members

Industry

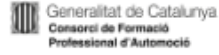


Social Partners



Current ASA Members

Education and Training Providers



Current ASA Members

Other Partners



Regions and Municipalities



...and more are coming!

Automotive Skills Agenda - INITIATIVES

- ❖ High Level Group GEAR 2030 (2015 - 2017) - Final report on automotive competitiveness and sustainability
- ❖ New Skills Agenda for Europe (2016) with action The Blueprint for Sectoral Cooperation on Skills



Automotive Sector
(January 2018 – March 2022)



Batteries Sector
(December 2019 – November 2023)

- ❖ European Skills Agenda (2020) with action **Pact for Skills** (launched November 2020)



**AUTOMOTIVE
SKILLS
ALLIANCE**

Collaboration in the **skills partnership** for the automotive ecosystem

- Support collaboration on the regional and European level
- Initiate new projects and initiatives
- Mainstream the existing projects and initiatives
- Execute up-/re-skilling activities

Updated intelligence about the automotive ecosystem and its development, as well as guidance to education and training bodies leading to continuous skills needs updates.

- Know & share the trends, needed job roles, needed skills

**ENABLE AND SUPPORT
MASSIVE WORKFORCE
UPSKILLING AND RESKILLING
ACROSS THE AUTOMOTIVE
ECOSYSTEM**

EU-wide framework for skills and job roles, as well as shared experience and best practices.

- Become part of an EU-wide accepted system
- Access to an overview of education/training providers across Europe through the ASA database

Platform for the **exchange of best practices and one-stop-shop guidance** for the financial instruments available on European and national level for financing skills agenda

- Take advantage of new EU financial resources

Tools and Resources

Tool Name

Short Description

ASA Learning Platform (DRIVES Learning Platform)

<https://learn.drives-compass.eu>



- MOOC courses (online course training materials, small modules)
- 28 MOOC courses developed from DRIVES project

ASA EU-wide Database (DRIVES Framework)

<https://drives-compass.eu>



- One-stop shop database of training courses in Automotive Ecosystem
- Learning account for individuals or companies
- Developed by DRIVES Project

ASA Library (Good Practice Resource by DRIVES Compass)

<https://drives-compass.eu/good-practice-resource>



- Overview of best good practices in the automotive apprenticeship



AUTOMOTIVE
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ASA TOOLS & RESOURCES

ASA LEARNING PLATFORM

ASA Learning Platform

- Based on the **needs of industry identified via Survey**, the following job roles were defined during the **DRIVES** project.
- 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 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
FUNCTIONAL SAFETY ENGINEER	pdf	pdf	Browser
HIGHLY AUTOMATED DRIVE ENGINEER	pdf	pdf	Browser
AUTOMOTIVE MECHATRONICS MANAGER AWARENESS LEVEL	pdf	pdf	Browser

ASA Learning Platform

- For DRIVES defined job roles the DRIVES partnership is providing **free of charge**
 - **Set of online trainings** in form of **MOOCs (28 online training)**
- **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



AUTOMOTIVE
SKILLS
ALLIANCE

ASA TOOLS & RESOURCES

EU-WIDE FRAMEWORK AND DATABASE

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

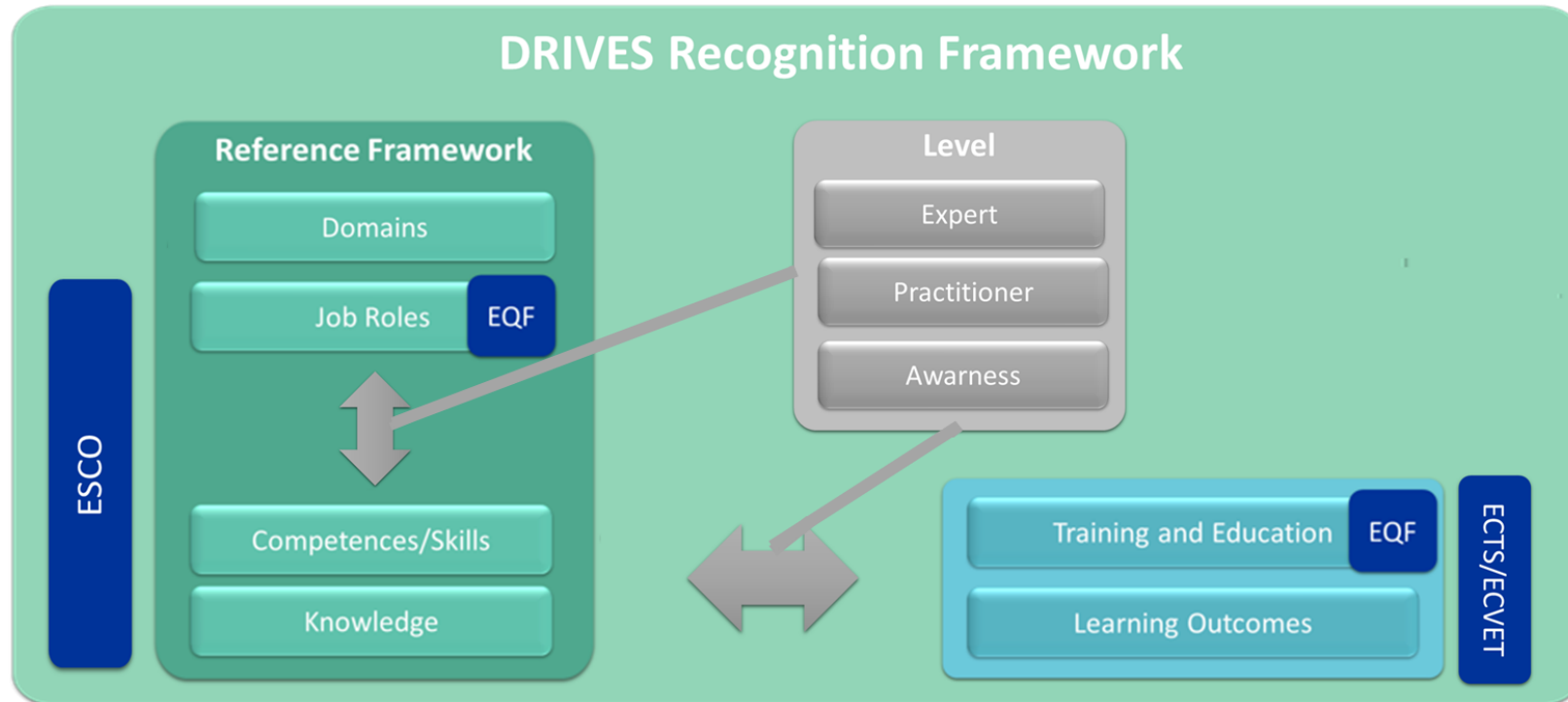
- Digital Badge for skill/competence level achievement in form of Micro-credentials



Quality Pledge of the Training Courses

- Assured by mapping exercise of the course

www.drives-compass.eu





DRIVES FRAMEWORK
Marek Sp

Q Search
Filter

🕒 2 weeks Online

Automotive Engineer

DRIVES Project

Free

Q Details

🕒 1 week / 16 h Online

Electric Vehicles

FH JOANNEUM Gesellschaft mbH

500 €

Q Details

💡 Online

Innovation Agent

DRIVES Project

Free

Q Details

🧩 Online

Robotic Engineer

DRIVES Project

Free

Q Details

👤 2 weeks Online

Functional Safety Manager - Strategic Level

DRIVES Project

Free

Q Details

🚗 Online

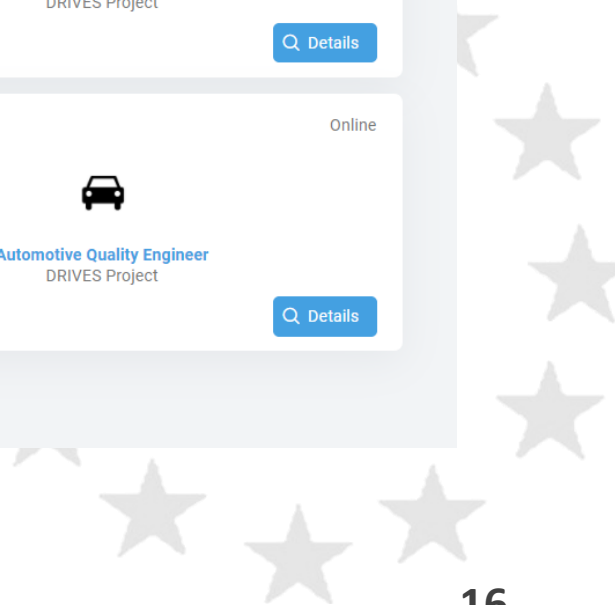
Automotive Quality Engineer

DRIVES Project




Free

Q Details

1
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9







Marek Sp  

Home > Training Courses > Training Detail





Enroll

Electric Vehicles

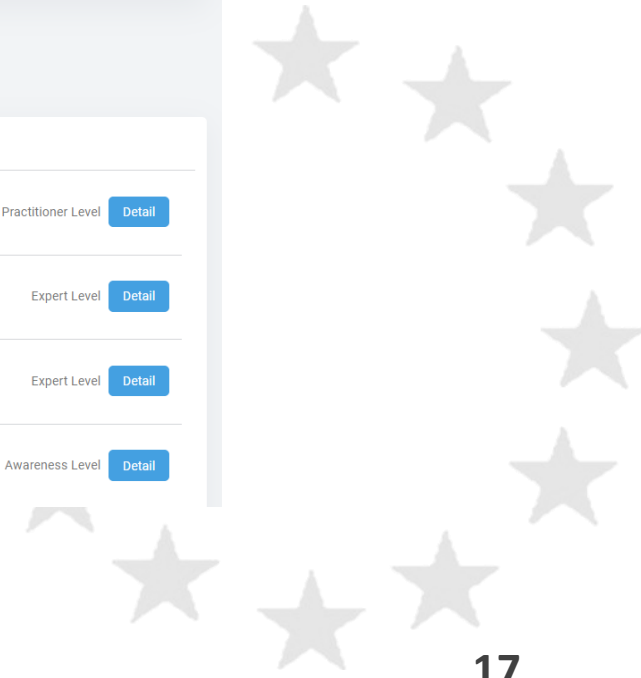
FH JOANNEUM Gesellschaft mbH <small>Provider</small>	1 week / 16 h <small>Duration</small>	- <small>EQF</small>	
Karl Heinz Reisinger <small>Contact Person</small>	500 <small>Price (€)</small>	- <small>ECTS Credits</small>	
Professionals for Up-Skilling <small>Target Group</small>	None <small>Training Proof</small>	- <small>ECVET Credits</small>	

The training offers an introduction to vehicles' driving resistances and energy consumption, basics in longitudinal dynamics combined with Matlab/Octave and Simulink energy consumption simulations.

Minimum number of participants: 5

 Delivery Method
 Prerequisites
 Skills & Knowledge
 Job Roles

Mechatronics Systems Engineering <small>knowledge</small>	Practitioner Level Detail
Mechatronics System Simulation <small>skill/competence</small>	Expert Level Detail
energy efficiency <small>knowledge</small>	Expert Level Detail
Electric Powertrain <small>knowledge</small>	Awareness Level Detail






Home > Training Courses > Training Detail

Electric Vehicles

[Enroll](#)

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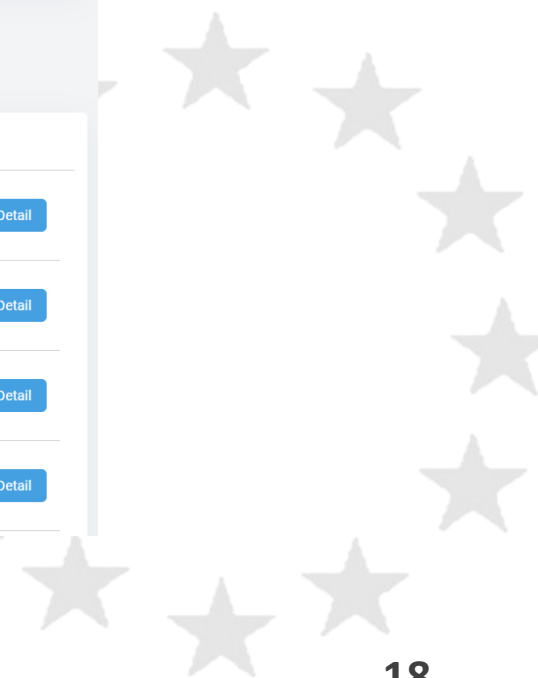
FH JOANNEUM
Fahrzeugtechnik /
Automotive Engineering

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[Delivery Method](#)
[Prerequisites](#)
[Skills & Knowledge](#)
[Job Roles](#)

Automotive Mechatronics Developer	5%	Detail
Automotive Mechatronics Expert	4%	Detail
Automotive Mechatronics Manager Basic Level	25%	Detail
e-Powertrain Engineer	5%	Detail



- Example: [Assertion - Drives Compass \(drives-compass.eu\)](https://drives-compass.eu)
- **Badges 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





AUTOMOTIVE
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ALLIANCE

ASA TOOLS & RESOURCES

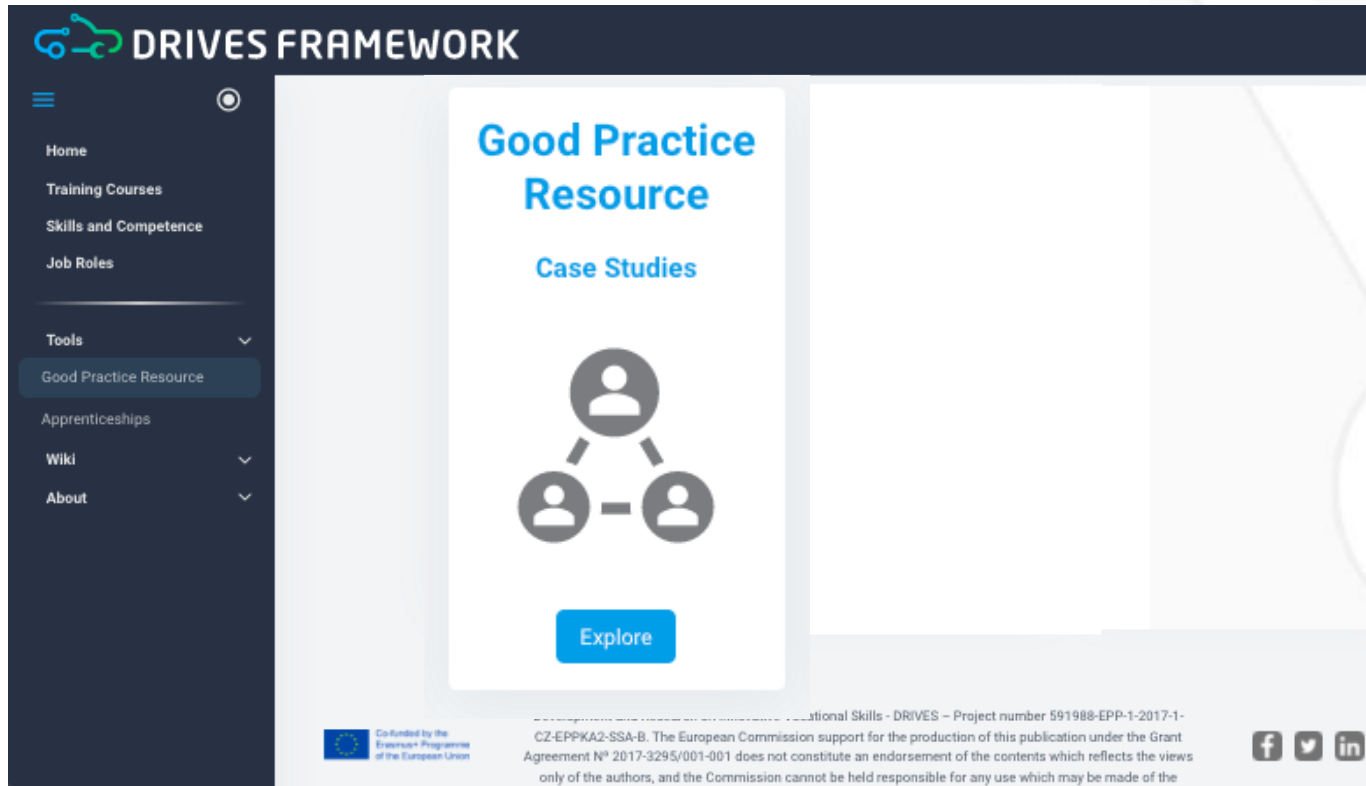
ASA LIBRARY – GOOD PRACTICES

Good Practice Resource

The screenshot shows the DRIVES Framework website interface. At the top left is the logo and the text "DRIVES FRAMEWORK". A dark sidebar on the left contains a menu with items: Home, Training Courses, Skills and Competence, Job Roles, Tools (with a dropdown arrow), Good Practice Resource (highlighted), Apprenticeships, Wiki (with a dropdown arrow), and About (with a dropdown arrow). The main content area features three white cards, each titled "Good Practice Resource". The first card is for "Themes" with a pin icon and an "Explore" button. The second card is for "Case Studies" with an icon of three people and an "Explore" button. The third card is for "About" with an information icon and a "More Information" button. At the bottom of the page, there is a European Union logo and text: "Development and Research on Innovative Vocational Skills - DRIVES – Project number 591988-EPP-1-2017-1-CZ-EPPKA2-SSA-B. The European Commission support for the production of this publication under the Grant Agreement N° 2017-3295/001-001 does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the". To the right of this text are social media icons for Facebook, Twitter, and LinkedIn, and the text "Project Contact Technical Support".



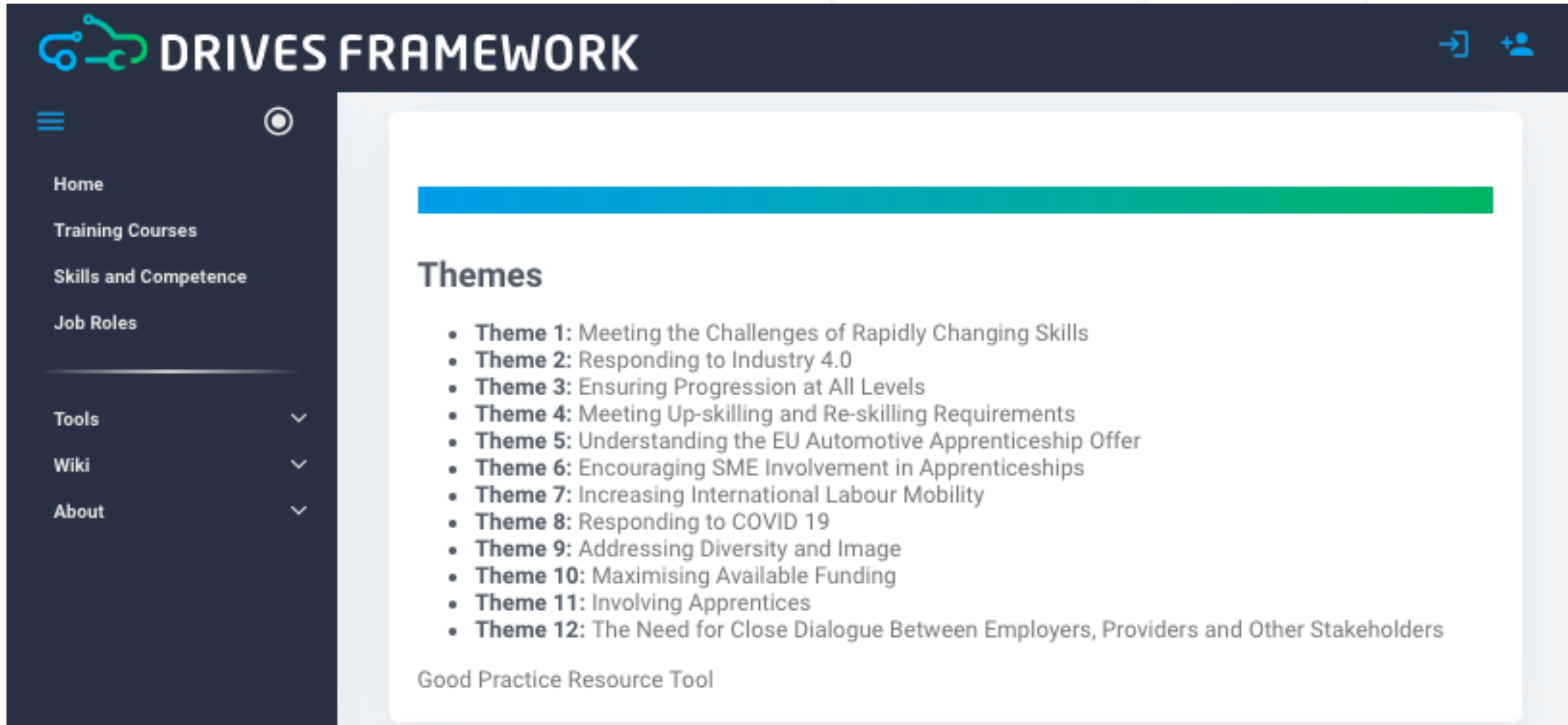
Good Practice Resource



27 case studies. For each:

- Summary
- Background
- Product definition
- Implementation
- Challenges
- Outcomes
- Benefits
- Wider lessons and tips

Good Practice Resource



The screenshot shows the 'DRIVES FRAMEWORK' website. The header features the logo and the text 'DRIVES FRAMEWORK' on the left, and navigation icons for search and user profile on the right. A dark sidebar on the left contains a menu with the following items: Home, Training Courses, Skills and Competence, Job Roles, Tools (with a dropdown arrow), Wiki (with a dropdown arrow), and About (with a dropdown arrow). The main content area has a blue and green gradient bar at the top, followed by the heading 'Themes'. Below this is a bulleted list of 12 themes. At the bottom of the main content area, the text 'Good Practice Resource Tool' is displayed.

DRIVES FRAMEWORK

Themes

- **Theme 1:** Meeting the Challenges of Rapidly Changing Skills
- **Theme 2:** Responding to Industry 4.0
- **Theme 3:** Ensuring Progression at All Levels
- **Theme 4:** Meeting Up-skilling and Re-skilling Requirements
- **Theme 5:** Understanding the EU Automotive Apprenticeship Offer
- **Theme 6:** Encouraging SME Involvement in Apprenticeships
- **Theme 7:** Increasing International Labour Mobility
- **Theme 8:** Responding to COVID 19
- **Theme 9:** Addressing Diversity and Image
- **Theme 10:** Maximising Available Funding
- **Theme 11:** Involving Apprentices
- **Theme 12:** The Need for Close Dialogue Between Employers, Providers and Other Stakeholders

Good Practice Resource Tool



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JOIN THE ASA



Thank you for your attention !!



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@ASA_MobilityEU



info@skills-alliance.eu

