

ChemSkills project

Enabling the green and digital transformation of the chemical industry

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The European chemical industry is vital for the European economy and the EU Green Deal goals

Supplies

90%

of key value chains

Provides

1.2 million

direct jobs

Supports

19 million

jobs across value chains

4th

largest manufacturing
industry for sales in
Europe

We invested

€9.9 billion

in R&D in 2021

€594 billion

chemical sales for EU27

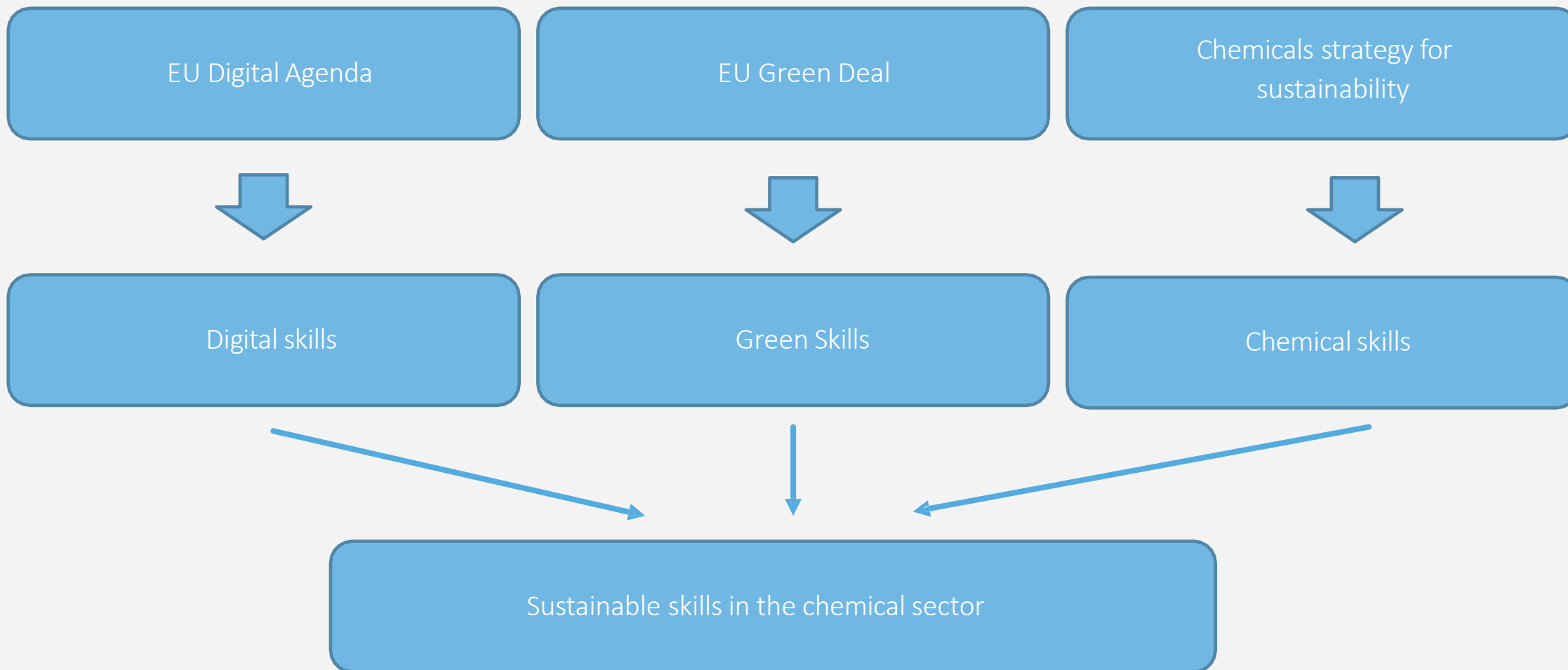


Background

- A successful green and digital transition within the chemical sector will not be possible if we lack people with the right skills – this concerns both academia and vocational education and training
- Adequate STEM skills are the backbone in this
- While the level of basic skills (PISA 2023) is decreasing all over Europe, the demand for high-level skills and competence for the industry is increasing. This equation does not work
- The ChemSkills project will tackle exactly these issues, building bridges between the European Industry and educational sector, as well as identifying bottle necks in the educational path towards the industry



Key objectives – focusing on multiple strategies



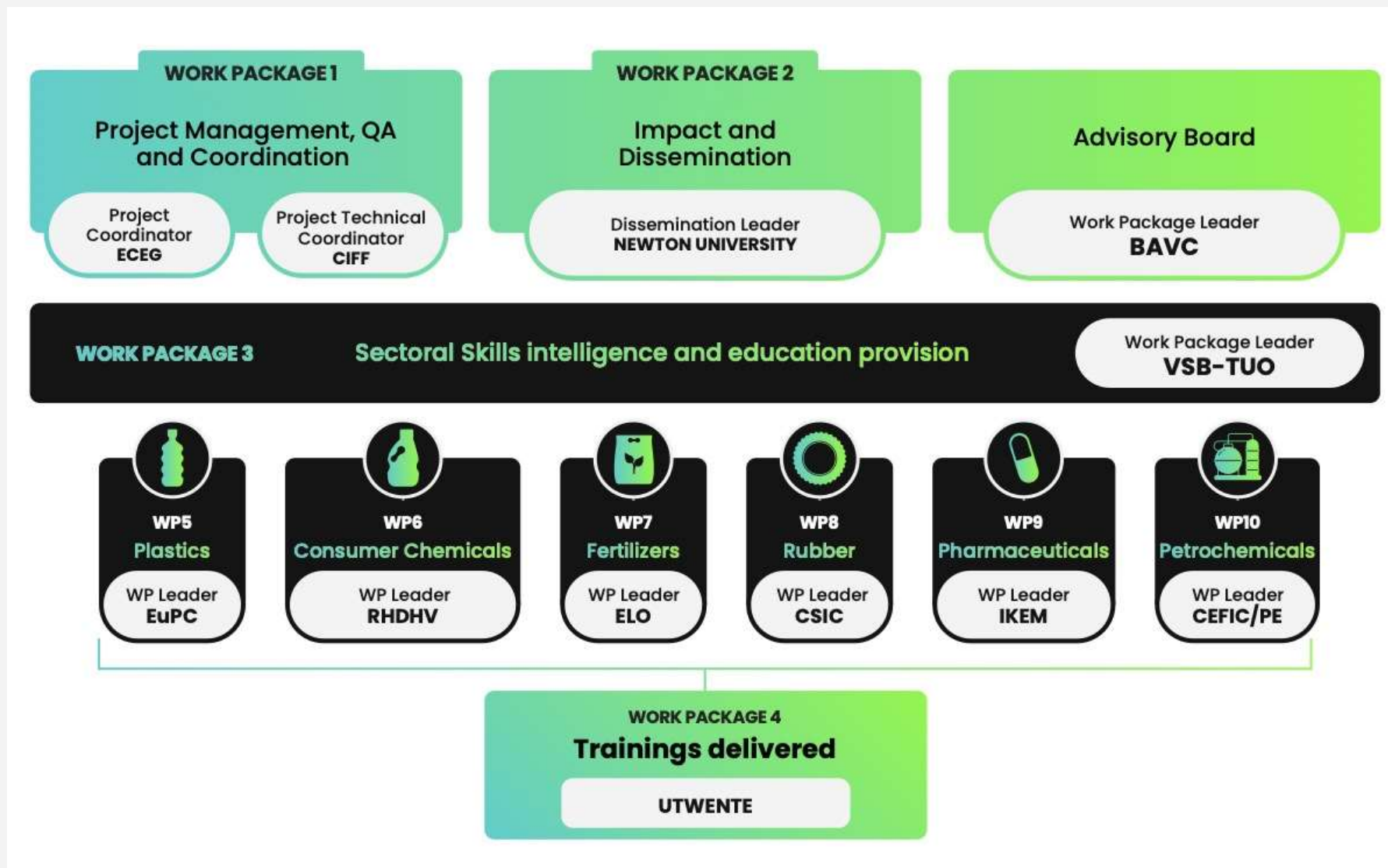


Scope

- The project will develop skills and design core curricula, education and training programmes for all levels of education (VET, up-/re-skilling of the current workforce, highly qualified, i.e., Masters).
- Since the chemical industry is to undergo a **triple transition** in the next decades, this initiative is to deliver skills on:
 - Green skills;
 - Digital skills;
 - Skills to produce “safe and sustainable chemicals by design”.
- The project covers the following **“subsectors” of the energy-intensive ecosystem**, all part of the chemical industry:
 - Consumer chemicals
 - Petrochemicals
 - Pharmaceuticals
 - Plastics
 - Fertilisers
 - Rubber
- The objective is to identify gaps between the industry needs and currently offered education alongside the development of new curricula based on the foreseen industrial developments.
- The project officially started on **1st September** and lasts for **4 years**.

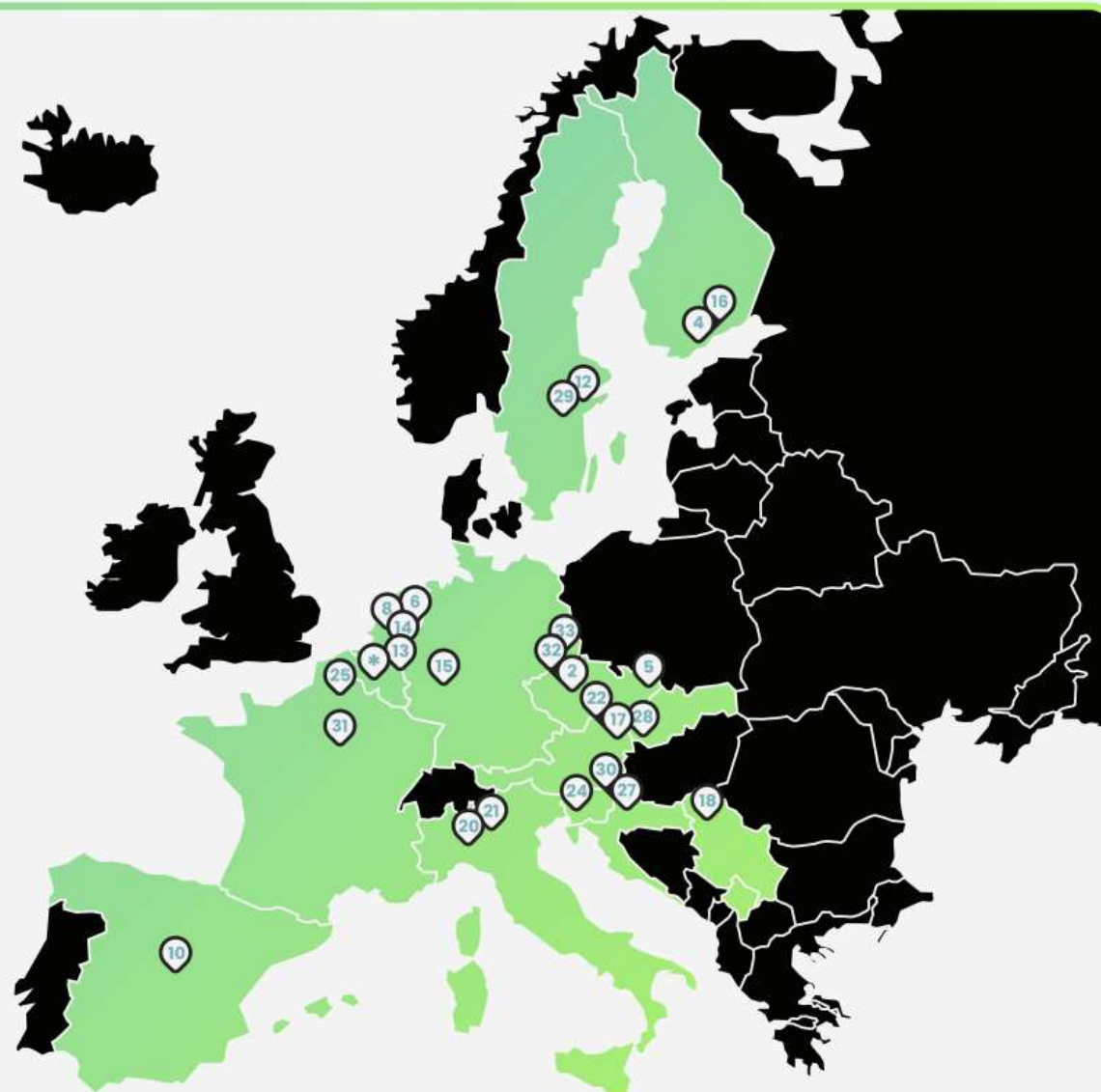


Project structure – Work Packages overview





- *1. European Chemical Employers Group (ECEG)
2. Newton University
- *3. Cefic/Petrochemicals Europe
4. (CIFF) Chemical Industry Federation of Finland
5. VSB - Technical University Of Ostrava
6. University of Twente (UTWENTE)
- *7. European Plastics Converters (EuPC)
8. Royal Haskoning DHV (RHDHV)
- *9. European Landowners Organisation (ELO)
10. The Spanish National Research Council (CSIC)
- *11. European Tyre & Rubber Manufacturers Association (ETRMA)
12. Institute for Clinical and Experimental Medicine (IKEM)
13. University of Maastricht
14. Chemelot Innovation and Learning Labs (CHILL)
15. German Federation of Chemical Employers Associations (BAVC)
16. Rubber Manufacturers Association of Finland (RMAF)
17. Technical University Vienna (TU-Wien)
18. University Novi Sad (UNS)
- *19. European Chemical Regions Network
20. Federchimica
21. ITS Technical College for New Life Technologies
22. Austrian Chamber of Commerce (WKO)
- *23. European Automobile Manufacturers Association (ACEA)
24. Chemical Industry Association (ZKI)
25. Agriland Nord
- *26. Association for Innovative Farming (AIF)
27. Croatian Chamber of Economy (HGK/CCE)
28. Comenius University Bratislava (UK BA)
29. AstraZeneca
30. Croatian Employers Association (CEA)
31. European Federation of Managers in Chemistry and Related Industries (FECCIA)
32. Institute of the Agricultural Association (AACR)
33. SBG



● 13 countries | ● 33 partners

special symbols

* Brussels | ♥ = same city



The ChemSkills project has also **social media accounts**
and a **website**

Follow them to always stay up-to-date!





**Thank you for
your attention!**