



Summary of Output 5, 6, 7 and 8

Introduction

This summary is intended as a shortcut, to give you a quick overview of some relevant products developed by partners of project SHINE, especially when filling in the survey questionnaire which we call "Intellectual Output 9".

For full details you should better refer to comprehensive documents, which can be downloaded from the very same web page where you found this document.

In case of doubts or further questions, please revert to representatives of partners in your country. Thank you.

Output 5: Local Action Plans

In each country of training partners (Italy, Germany, Sweden, Romania, Croatia) a Local Action Plan has been developed, defining strategies to improve the way Higher Vocational Education and Training programmes are delivered at a local level. Plans move from a general context analysis, to detail strategies and operating procedures for training organisations linked to local business/entrepreneurial systems. Each plan also includes criteria to define its implementation, assess its outcomes and effectiveness in terms of improvement of innovation capacity, attractiveness for the production system, and performance.

Please note that, in order to answer the on-line questionnaire, you do not need to read all Local Action Plans: only the one referring to your territory is useful. And please be also aware that, each Local Action Plan is introduced by an executive summary, where you can find all relating information in brief.

The table below synthesizes topics dealt with in each Plan:

| <i>Territory</i> | <i>Topic of the Local Action Plan</i> |
|--------------------------------|---|
| Italy Region Emilia-Romagna | The proposed plan identifies the priorities -in terms of updating and innovation- of the training programmes offered by the ITS Maker Foundation, in the light of the possible evolution of the relevant technologies. The pattern developed takes into account: <ul style="list-style-type: none">- indicators (variables/measures), which permit interpretation of the evolution (trajectory) of technological areas (products made, processes under control/examined at the workplace) relevant to the trained Higher Technicians context;- key technology enablers (push enabling factors)- business drivers (pull enabling factors). |



| <i>Territory</i> | <i>Topic of the Local Action Plan</i> |
|------------------------|---|
| Italy Region Veneto | Long-term sustainable simplified Foresight Model, aiming strengthening and enhancing the overall management system capability to timely adapt the ITS training pathways to the technological evolution, through the development of an effective and periodical technological foresight process, along with a coherent methodological review. The plan refers to ITS programmes in Region Veneto, especially ITS Meccatronico Veneto. |
| Germany | Recommendations for actions to balance out the demands and the current portfolio offered by the University of Applied sciences in Zwickau. The plan suggests a closer cooperation with industry partners that does not solely rely on the individual responsible for a course, but that becomes part of the faculty's strategy. The plan also drafts the use of modern learning and teaching tools, namely MOOCs, as very useful ones for distance learning courses. |
| Sweden | With this plan Göteborgs Tekniska College sets out to create a foresight model, taking into consideration the influence of 10 change enablers in smart industry and systematically match them with 11 professions in the automotive production industry, in order to foresee future competence needs and suggest new HVE training programmes. This aims to improving the innovation capacity of the HVE department, cater to more companies, especially SMEs, and shorten the time of delivery to the customers (i.e. companies and students). |
| Romania | This plan identifies requirements and needs related to economics and health-care local environment in terms of knowledge, competences and skills, involving relevant local stakeholders. Evaluation results set the ground on which identifying existing potential for curriculum extension/updating, taking into consideration actual capabilities: trained human resources and technical, budgetary, normative resources to be submitted to regional Comitetul Local de Dezvoltare a Parteneriatului Social Pentru Formarea Profesională Timiș and Inspectoratul Școlar Județean Timiș. The plan also drafts the possibility to establish a continuous self-improved and flexible periodical review and updating of the curriculum against the business developing needs. |
| Croatia | The current Croatian system lacks quality assurance and learning outcomes-oriented curricula. The main goal of the Action plan is introducing the Quality system in Preparations for Master craftsman's exams: a challenging task, because it should still recognize, as the Exam itself, knowledge acquired in formal, informal and non-formal contexts, but also detect changes on the labour market and be quite flexible. The plan pays special attention in finding out an effective working pedagogy and transversal skills, in accordance with current and future labour market needs in terms of knowledge, skills and competences. This will allow the reviewing and modernisation of around 50 professions, adapting them to the labour market needs following CQF law. |



One last comment: Output 6 gives a comprehensive view of all action plans and their first results, too.

Output 6: Assessment of Local Action Plans

Based on results achieved by implementation of Local Action Plans, partners carried out a critical review of indicators and criteria defined in the Plans and summarized findings, thus providing a common denominator, a single conceptual framework and interpretation key for further possible solutions and improvement. This is a short and easy to read document.

Output 7: Identification of policies to improve usage of EU tools in HVET: ECVET, ECTS and ESCO

The state of development, usage and implementation of HVET programmes varies throughout the EU. Assessing and studying if, how and to what extent European frameworks and tools should be applied to each partner territory (or to each partner Local Action Plan) is crucial in order to provide those training programmes with European added value.

This document gathers the results of the investigation process carried out by partners on their own situation, on additional territories, through a European survey among EfVET members and interviews of key stakeholders and policy makers.

Tools dealt with in this document are:

- the European Qualification Framework (EQF)
- the European Credit System for VET (ECVET)
- the set of documents for transparency of qualifications and mobility of Europeans citizens (EUROPASS)
- the European Quality Assurance Reference Framework for VET (EQAVET)
- the European Skills/Competences, qualifications and occupations system (ESCO)

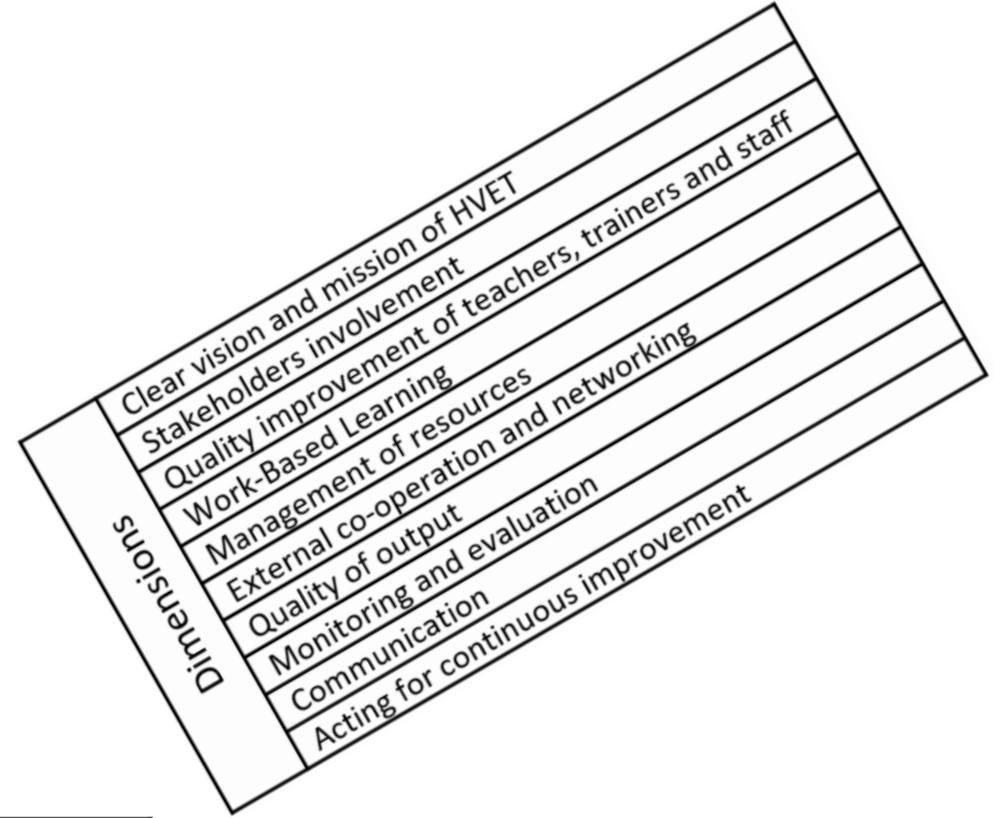
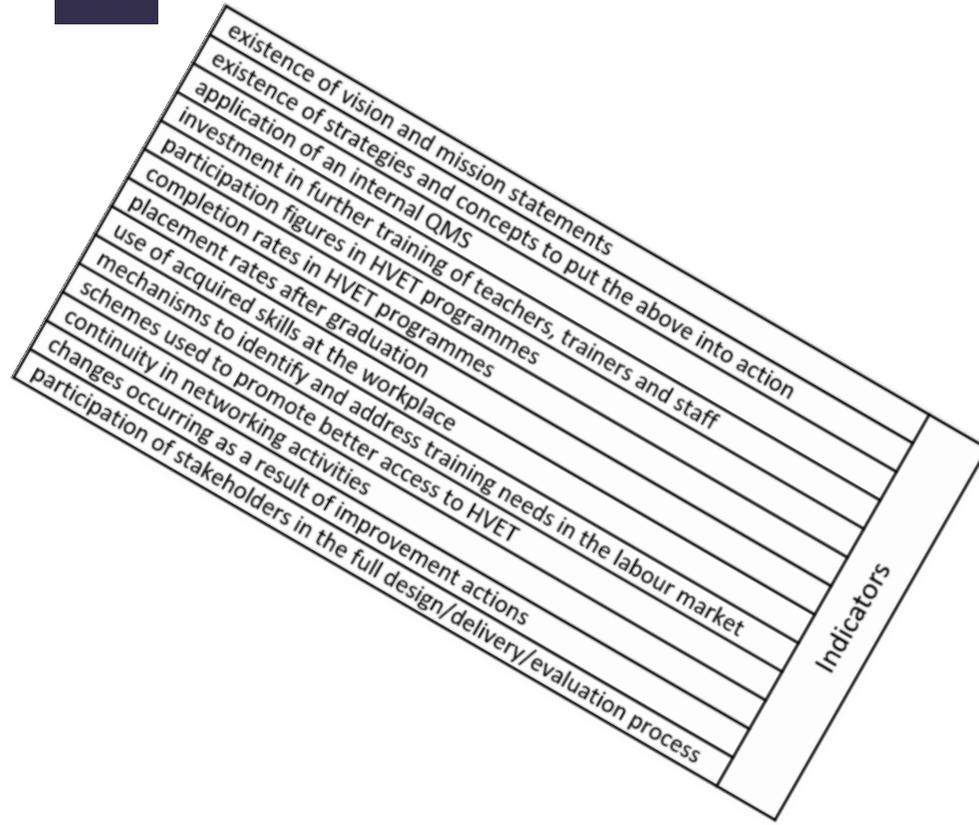
In the document, they are described and the degree they are known and used is investigated.

Output 8: Definition of possible indicators and channels/processes for policy improvement at national/EU level

This output identifies indicators and methods for improving policies for governance of training providers and their contribution to the innovation of economic systems.

Even if still under development, it is based on matching 10 dimensions with 13 indicators and 5 action levels, as per the table at following page.

At the crossroads of relevant dimensions, indicators and levels, partners defined specific recommendations for improvement.



| Levels | | | | |
|--------|----------|----------|----------|-------|
| Global | European | National | Regional | Local |