**TOPIC:** ERASMUS-EDU-2021-PI-ALL-INNO-EDU-ENTERP

**Acronym:** CIRCVET

**Title:** 3Os and IP awareness raising for collaborative ecosystems

**Abstract:**
Plastics are an essential part of our daily lives and they are everywhere, being an important enabler of humanity's progress. On the other hand, in the way they're manufactured and used nowadays they're also responsible for 80% of marine litter and suppose 26mT/year of waste. Moreover, if we could recirculate these materials, manufacture them more efficiently and apply circular business models there will be a reduction of CO2 emissions of 50%. All of these are just some of the reasons why the EU have made the transition to a Circular Economy (CE) in the plastics sector a centrepiece of their action plan.
Companies manufacturing plastics face a series of barriers to be a part of this transition, being key to the lack of knowledge and awareness. According to the them, there is still not enough training that goes from general concepts of CE to the specific aspects (i.e. which recycled material can use for my products?).
CircVET project aims at developing the most extensive, free and tailor-made (according to companies needs and problems) training in CE for plastics at the European level. We believe that companies are one of the most relevant stakeholders needed for the transition and we expect to help them to play their role through knowledge. Plastics employs in the EU more than 1.56 million professionals directly demanding and in need of upgrading their skills.
For achieving this objective, we have gathered a consortium representing more than XXX companies of the sector, academia and VET centres, The project will:

- Develop training materials according to companies needs covering all the value chain of plastics in 6 EU languages
- Adapt them to be used in I-VET and C-VET
- Produce 9 MOOCs/NOOCs available accredited through micro-credentials
- Develop a platform for learning and connecting
- Build strong links between academia/VET centres/companies (through exchanges, challenges)
- Pilot and validate them with around 80 companies and 200 students of the sector.

**List of participants:**

- ASOCIACION DE INVESTIGACION DE AIJU LA INDUSTRIA DEL JUGUETE CONEXAS Y AFINES
- CENTRO TECNOLOGICO DA CENTIMFE INDUSTRIA DE MOLDES E FERRAMENTAS ESPECIAIS
- Gemeinnützige KIMW-Qualifizierungs KIMW-Q GmbH
- POLYMERIS POLYMERIS
- CONSORZIO PER LA PROMOZIONE PROPLAST DELLA CULTURA PLASTICA PROPLAST
- LIETUVOS INZINERINES PRAMONES LINPRA ASOCIACIJA LINPRA
- UNIVERSIDAD DE LAS PALMAS DE ULPGC GRAN CANARIA
- Infinitivity Design Labs IDL
- ALYTAUS PROFESINIO RENGIMO APRC CENTRAS
- UNIVERSITA DEGLI STUDI DI TRENTO UniTrento
- HUB INNOVAZIONE TRENTINO - HIT FONDAZIONE
- VISAGINO TECHNOLOGIJOS IR VPM VERSLO PROFESINIO MOKYMO CENTRAS

**CIRCVET Objectives:**

CircVET approach aims:

- to define a set of knowledge and skills to be provided to the learners from the different target groups, both people currently working or in professional training

- to improve the skills in order to support the SMEs from the plastic manufacturing sector to be 'greener'
- to adopt the principles of the circular economy and to guarantee the global sustainability, preparing a set of
- MOOCs/NOOC, based on user and target needs
- to be integrated in personalized Courses depending on the individual needs of the applicants

Objectives

The challenge of the project will be improving the adoption and awareness of the Circular Economy in Plastic Manufacturing Industries, through the improvement of the culture, knowledge and skills in the people related with.
This challenge will be reach through the increase of the knowledge, capacities and skills of the people working in the SMEs and in the sectorial organizations and related technological and innovation centres.

The strategic objective of the project is to develop a certified Course addressed to people working and in training, based on Circular Economy practical training materials for manufacturing industries. The topics of the course will be:

- Systemic strategies
- Eco-design and LCA
- Digital skills
- Manufacturing processes
- Recycling - Upcycling - Downcycling
- Users and usages
- Supply of materials - Biomaterials
- Recovery
- Entrepreneurship

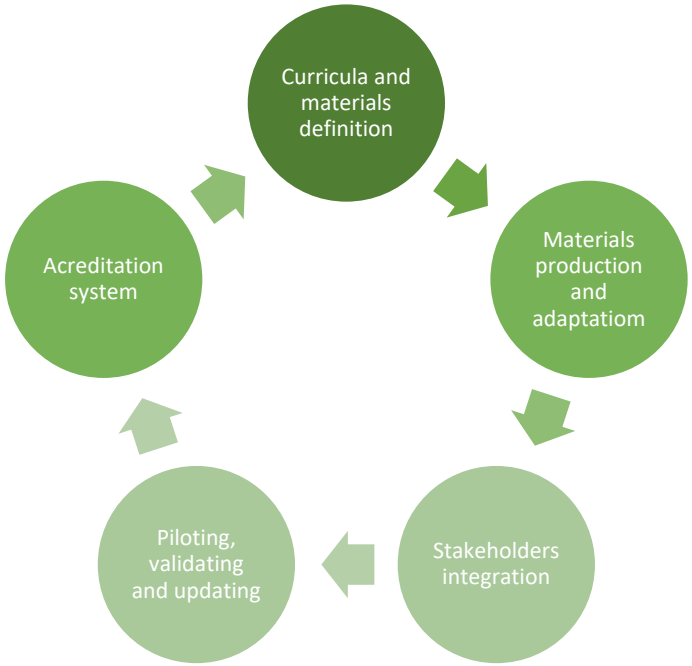
# 4. WORK PLAN, WORK PACKAGES, TIMING AND SUBCONTRACTING

## 4.1 Work plan

**Work plan**

*Provide a brief description of the overall structure of the work plan (list of work packages or graphical presentation (Pert chart or similar)).*

The core work packages of the project, addressed to produce the operational objectives, will be.




In addition there will be other horizontal work packages to assure the proper project development.

Which can be summarized as:

| Number | Title | Summary |
|---|---|---|
| **WP1** | Methodology and curricula | Consists in the development of a framework for a training course in Circular Economy for plastic manufacturing industry that includes the competences and the methodology to adequate it for delivery. It will be based in the already analysed needs. It also includes a validation phase of the developed framework with companies. |
| **WP2** | Content development | The WP consists of developing the pure content and materials that will be used for the trainings, considering the target groups. They will be structured and ready to be implemented in MOOCS/NOOCs and in present trainings. The different blocks have been built around:<br>- Needed transversal knowledge needed<br>- The value chain of plastic products<br>It is the core of the project and one of the main added value capacities of the project. |
| **WP3** | E-learning platform | This WP focuses on a digital learning environment, aiming at empowering partners to deliver a large variety of learning experiences to the project's audience, helping them develop specific values, knowledge, and skills. |
| **WP4** | Connecting companies with education | The WP consists of building a long-time relationship with enterprises that allows to have a continuous relation with the professional market and contributes to the cocreation of materials. It also comprehends the adaptation of the materials to C-VET and the compilation of practical cases from companies that complement the training. |
| **WP5** | Working with trainers and experts | The WP consists of making the materials I-VET ready and establishing the needed framework for teachers and facilitators to correctly deliver the training. It also comprises the establishment of a network of accredited teachers/facilitators. |
| **WP6** | Piloting, workshops, validation, feedback analysis | The WP consist of the piloting of materials, validation and obtaining continuous feedback, which reduces the uncertainty and allow us to produce a high quality level of materials as well as aligned to the needs of companies. |
| **WP7** | Accreditation system | Develop a system to award micro credential based on the different MOOCs, recognize other trainings, certify trainers and adapt the training for its use in other formats. |
| **WP8** | Sustainability and Capitalization | The WP is addressed to guarantee the sustainability of the results of the project, dissemination, replication and scale-up of CIRCVET training materials, after the end of the EU funded project |
| **WP9** | Communication, dissemination, and public society | The WP intends to disseminate and communicate the activities of the CircVET project.in order to involve and reach the target group of people interested in the project results. |
| **WP10** | Management, coordination, and quality control | This work package will ensure the effective and timely completion of all project activities so that all partners fulfil the responsibilities assigned to them and the overall project objectives are met. |

| *Partner* | *WPs* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | *1* | *2* | *3* | *4* | *5* | *6* | *7* | *8* | *9* | *10* |
| ***UNITRENTO*** | Contribute to the curricula definition from a pedagogical point of view.<br>Validate the competencies with teachers. | Participate in the preparation of guidelines for the development of training materials.<br>Developing materials in:<br>- General Circular Economy understanding Systemic strategies<br>- Eco-design and LCA<br>- -Manufacturing processes<br>- Recycling – Upcycling – Downcycling<br>- Users and usage<br>- Recovery<br>- Entrepreneurship – **As leader and expert in the matter**<br>Translate the materials to Italian together with PROPLAST and HIT. | | Contribute to the compilation of company cases (with HIT).<br>Participate in the generation of challenges for students (from research). Propose internship in their students. Contribute to adapt the materials to the C-VET format | Support the mentoring network.<br>Lead the development of guidelines for facilitators of workshops. | Pilot and validate with university students through HIT. | Contributing to the creation of the certification/ accreditation process.<br>Contribute to the creation of a methodology for recognition of knowledge.<br>Contribute to the analysis of the integration within other formats and trainings. | Identification and engagement of external stakeholders and policy decision makers and officers, collaboration in the preparation of the Sustainability plan, participation in all the activities and results of the WP. | Production of the dissemination and communication materials in their native language, if it is the case.<br>Participation in all the dissemination activities, specifically events and conferences, and to all the activities and results of the WP. | Coordination of the project at partner level, including the work with stakeholders, financial control and reporting at project level, and to all the activities and results of the WP. |