# Environmental change

Environmental change in European start-uppers thinking and acting – the solution for common sustainable development

## BROCHURE

## ENVIRONMENTAL CHANGE PARTNERSHIP

The **Environmental change** consortium brings together a development agency, a university, two SMEs, a technical centre and a chamber of commerce and industry.

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**RARR**
RZESZOWSKA AGENCJA
ROZWOJU REGIONALNEGO

**TECHNICAL INSTITUTE**
OF HERAKLION CHAMBER OF
COMMERCE & INDUSTRY

**MINDSHIFT**
Talent Advisory

Univerza v Mariboru
Filozofska fakulteta

**DANMAR**
COMPUTERS
IT matters

CentroTecnológico
del Mueble y la Madera
de la Región de Murcia
**ceTEM**

**www.environmentalchange.erasmus.site**       **www.facebook/environmentalchangeproject**

# TABLE OF CONTENTS

# ENVIRONMENTAL CHANGE ONLINE

The project Environmental Change has one open platform with all resources available at:

**www.environmentalchange.erasmus.site**
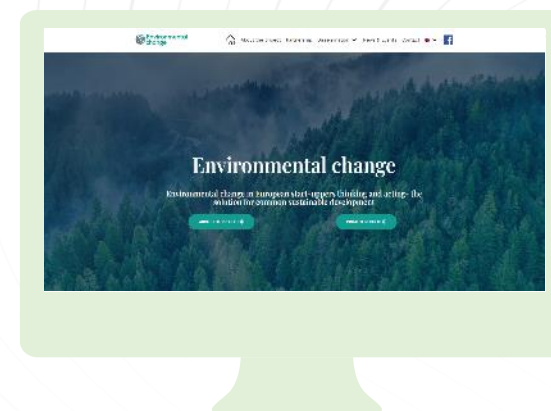


And a Facebook page, with up-to-date contents on climate change, ecological transition, circular economy and sustainable development, available at:

**www.facebook.com/environmentalchangeproject**

## ENVIRONMENTAL CHANGE IMPACT

The Environmental Change project is likely to have a sustainable impact within and beyond the project lifetime on two target groups, and at national and European levels.

**Start-uppers, young entrepreneurs and SMEs** are increasing their knowledge and skills on circular economy and sustainable practices through a personalized and interactive mobile app. This upskilling contributes to their better integration in a labour market and society that is preparing to transition to a sustainable economy.

**VET providers (trainers, teachers, educators)** have been strengthening their professional competences to offer tailored training to companies through an environmental syllabus. This training programme will have the general positive impact on a participatory approach by increasing companies' engagement into nonformal learning.

At **national level**, the project's results are available in local languages as open educational resources to be used by any stakeholder, thus impacting a greater number of companies and VET providers, contributing to upskilling processes and to improve the VET learning systems.

Environmental Change has been disseminated across **Europe**, and its resources are available to be transferred to new countries.

## ABOUT THE ENVIRONMENTAL CHANGE

Environmental Change is a project developed and implemented in collaboration with partners from five European countries – Greece (TIHC), Poland (RARR, DANMAR), Portugal (Mindshift Talent Advisory), Slovenia (UM) and Spain (CETEM) – under the **Erasmus+ strategic partnerships for vocational education and training**, to promote the proactive reskilling and upskilling of start-uppers, young entrepreneurs, SMEs, and VET providers on climate change and sustainable development subjects, to be able to reap the benefits of the ecological transition.

**PROTECT**     **SAVE**     **SUSTAIN**

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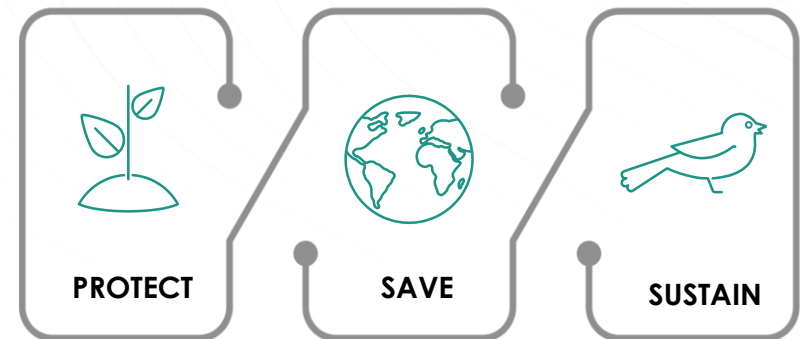
## ENVIRONMENTAL CHANGE MISSION

**"**

*The European Union aims to be climatic neutral by 2050.*

To achieve this goal, the European Green Deal fosters opportunities, and initiatives to promote a transition to a sustainable economy, turning climate change and environmental challenges into opportunities.

Companies have an important role to play in changing practices and mindsets towards a more successful sustainable world. Accordingly, improving environmental change competences is of utmost importance to adapt to the future sustainable labour market and society.

Aligned with these principles, the Environmental Change project's aim is to promote and validate knowledge, skills and attitudes on climate change and sustainable development of both start-uppers, young entrepreneurs and SMEs and VET providers.

### The Environmental application offers the following practical activities:

**Part 1**: Self-assessment tool with a set of questions concerning the environmental change processes

**Part 2**: Training pathway, based on scenarios, with three levels of advancement

**Part 3**: Strategy maker planner, with a calendar to schedule the implementation of own circular and sustainable strategy

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## ENVIRONMENTAL APPLICATION FOR STARTUPS

The Environmental application for startups is a mobile app that intends to transfer knowledge from the environmental syllabus for VET providers to start-uppers, young entrepreneurs, and SMEs in the form of practical activities.
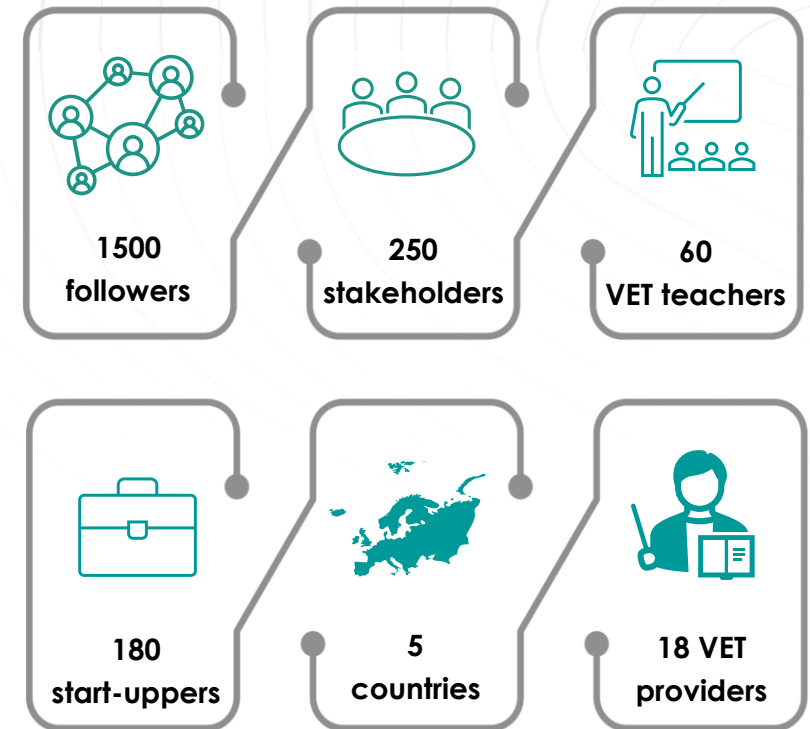
The app content will be based on the six thematic modules of the environmental syllabus and will allow its users to save time, test their knowledge in the field of environmental change processes, have unlimited access to personalised training content and develop their own customised sustainable strategy.

### How does the mobile app for startups work?

1. As a starting point, the start-upper is invited to carry out a self-assessment, answering to a series of questions on environmental change processes; this step helps to create a profiling session for each start-upper

2. After that, based on the results of the self-assessment, the system gives a set of descriptions of situations, problems, issues, or concepts related with the thematic area(s) in which the start-upper showed a greater knowledge gap; this function aims to build a customised training pathway

3. Finally, the start-upper can access a workspace, insert notes and plan for implementing circular/sustainable solutions, tailored to its needs.

## ENVIRONMENTAL CHANGE FACT SHEET

Environmental Change is involving a great number of participants in several dissemination actions promoted in Greece, Poland, Portugal, Slovenia, and Spain.

**1500 followers**

**250 stakeholders**

**60 VET teachers**

**180 start-uppers**

**5 countries**

**18 VET providers**

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## THE ENVIRONMENTAL SYLLABUS FOR VET PROVIDERS

The environmental syllabus for VET providers plays two roles:

1. It defines the framework (in terms of content) for the development of the environmental mobile app
2. It supports VET providers to enhance their professional competences in the field of environmental change

The structure of the environmental syllabus consists of the following parts:

> Definition of learning units and training paths
> Structure of each module
> Requirements of national qualification frameworks
> European Skills, Competences, Qualifications and Occupations (ESCO)

Each module offers an overview of its duration, forms and methods of delivery, the learning outcomes, the validation tool for VET providers obtained within the module and references.

Overall, the environmental syllabus is expected to be used by VET providers when preparing and delivering the content to start-uppers, young entrepreneurs, and SMEs.

## Modules of the Environmental syllabus

### M1: Ways of transitioning to natural energy and combating climate change
1.1. Policy of renewable energy – directives and targets
1.2. Changes in process of energy production and consumption
1.3. Effects of climate changes
1.4. Strategy for climate changes

### M2: Towards biodiversity and ecological transformation
2.1. Sustainability in companies
2.2. Ecological transformation of the business
2.3. Good practices and initiatives for the green transformation of companies

### M3: Plastic waste management
3.1. The ubiquity of plastic and its environmental impact
3.2. Global awareness and eco-friendly policies to address plastic pollution
3.3. Effective plastic waste management in SMEs

### M4: Redesigning products and services to minimise the use of materials
4.1. Eco-design definitions, techniques, strategies, and standards
4.2. Environmentally friendly products for business and day-to-day activities
4.3. Sustainable solutions for eco-minded start-uppers and entrepreneurs

### M5: Circular businesses models
5.1. Theory of Circular business model
5.2. Business canvas
5.3. Introduction of circular canvas
5.4. Best practices – Case examples

### M6: Life cycle thinking
6.1. Introduction to life cycle thinking
6.2. Conducting a life cycle sustainability assessment
6.3. Real-life examples of life cycle thinking

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