



Knowledge Alliance on Product-Service Development towards **Circular Economy** and Sustainability in Higher Education

KATCH_e is a knowledge alliance between Higher Education, companies and research centres to build competences in the field of product-service development for the circular economy (CE) and sustainability in the construction and furniture sectors.

Facilitating the transition

From a

**take – make – use
– dispose model**

that depletes natural resources and
destroys ecosystems

To a

a circular model

where the value of products, materials
and resources is maintained in the
economy for as long as possible and
the generation of waste is minimized



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Erasmus+ Programme
of the European Union

PROJECT

Innovative, multidisciplinary training materials for enabling the development of sustainable product-services for the circular economy in the construction and furniture sectors

KATCH_e brings together partners from 4 European countries to cooperate in the following:

Analysis of training needs, state of the art, trends and policies on design for CE and sustainability

Setting up a stakeholders network to support the transfer of knowledge and help secure the activities after the funded period

Development and testing an innovative, problem-based multidisciplinary Course, a MOOC and product-service development tools for CE and sustainability

Implementation of the above in academic and company contexts, creating show cases

11 Partners

4957 Working days

9 Work Packages

13 Stakeholders workshops

4 Countries

41 Results

3 Years

1 Million euros

7 International meetings

6 Main activities

34 People

KATCH_e will reinforce the competences of design students and professionals, increasing the possibilities of employability and contributing to the innovation and competitiveness of the target sectors in the transition towards a circular economy

KATCH_e contributes to closing the loop

New learning contents and methods related to CE and sustainability for Higher Education

Enhancement of current and future knowledge, competences and skills of design students, entrepreneurs and future workers

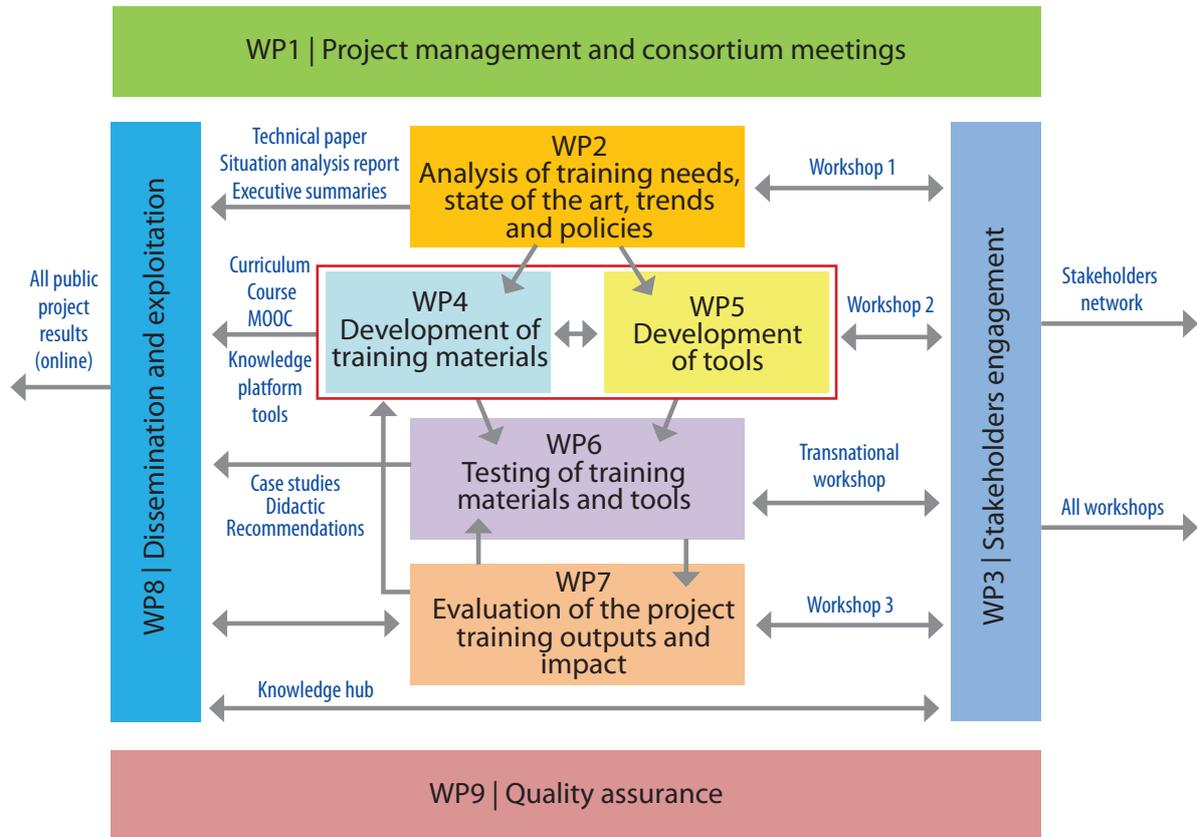
New sustainable business models: improvement of the sustainability profile of products, services and processes developed by companies and industries

Facilitation of a CE approach in the companies' current products, services and processes

Promotion of new sustainable practices in industries, boosting design-driven resource efficiency and social well-being

New tools and contents for research and technology institutions and consultancy companies, in order to give support on CE to other companies and institutions

WORK PLAN



MAIN RESULTS

KATCH_e results will continue to spread beyond the end of the project, promoting the transition into a circular economy

Situation analysis report and executive summary	Overview and analysis on CE and DfS in the target sectors	Stakeholders' networks in 4 countries	12 national and 1 transnational stakeholders workshops	Curriculum of product-service development for CE and sustainability course
Product-service development for CE and sustainability course	MOOC Massive open online course	Tools for product-service development for CE and sustainability	Innovative product and product-service concepts	Business strategies towards CE
Didactic recommendations for learning approaches on CE	Project website and knowledge platform	Knowledge hub	e-newsletters	Final conference

PROJECT PARTNERS

The consortium is composed of 11 partners from 4 EU countries:
Portugal, Spain, Austria and Denmark

- 4 Universities
- 4 Research organizations
- 3 Industrial companies belonging to the target sectors of KATCH_e:
construction products & materials and furniture



Portugal



Spain



Austria



Denmark



AALBORG UNIVERSITY
DENMARK



For further information please contact the coordinator of the Project:

LNEG - Laboratório Nacional de Energia e Geologia, I.P.
Cristina Sousa Rocha, cristina.rocha@lneg.pt



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