



CHALLENGING
CONVENTIONAL
THINKING



T'IMAGINES UNA UNIVERSITAT DIFERENT? EDUCACIÓ OBERTA A PARTIR DE REPTES TERRITORIALS

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OFERTA FORMATIVA ECIU

Browse learning opportunities

Browse learning opportunities

Learning opportunity

- Challenge
- Micro-module

Topic

- Circular economy
- Energy and sustainability
- Entrepreneurship, technology and innovation
- Language learning
- Resilient communities
- Transport and Mobility

Status

- Open for application
- Coming soon
- Closed for application
- Finished

Study format

- Online
- Hybrid
- Campus

University

Choose universities

8 learning opportunities

Open for application

RESILIENT COMMUNITIES

Engineering solutions for a more Inclusive society

STUDY PERIOD
□ 4 Apr - 11 Jul

Open for application

ENTREPRENEURSHIP, TECHNOLOGY AND INNOVATION

The Sustainable Wine Race

STUDY PERIOD
□ 17 Apr - 19 May

WORKSHOP

Open for application

RESILIENT COMMUNITIES

Create Tomorrow

STUDY PERIOD
□ 1 May - 8 May

Open for application

ENTREPRENEURSHIP, TECHNOLOGY AND INNOVATION

Innovative Entrepreneurship

STUDY PERIOD
□ 27 Mar - 19 May

Open for application

ENERGY AND SUSTAINABILITY

The Flowers Gourmet Hackathon

STUDY PERIOD
□ 17 Apr - 14 May

Closed for application

CIRCULAR ECONOMY

School education on conscious consumption and waste disposal

STUDY PERIOD
□ 6 Mar - 31 May

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13 learning opportunities

HABLAS SPANOL? NAM

LANGUAGE LEARNING
Language Studies - Spanish

STUDY PERIOD

Open for application

ENERGY AND SUSTAINABILITY
Energy Innovation Across the Globe

STUDY PERIOD

Open for application

LANGUAGE LEARNING
Language Studies - Catalan

STUDY PERIOD

Open for application

Critical and Innovative Thinking

721G28 Ethics of Artificial Intelligence

STUDY PERIOD

Open for application

ENTREPRENEURSHIP, TECHNOLOGY AND INNOVATION
ETE318 Elements of AI

STUDY PERIOD

Open for application

ENERGY AND SUSTAINABILITY
709A06 Strategic Planning - Regions and EU

STUDY PERIOD

Què és un repte?

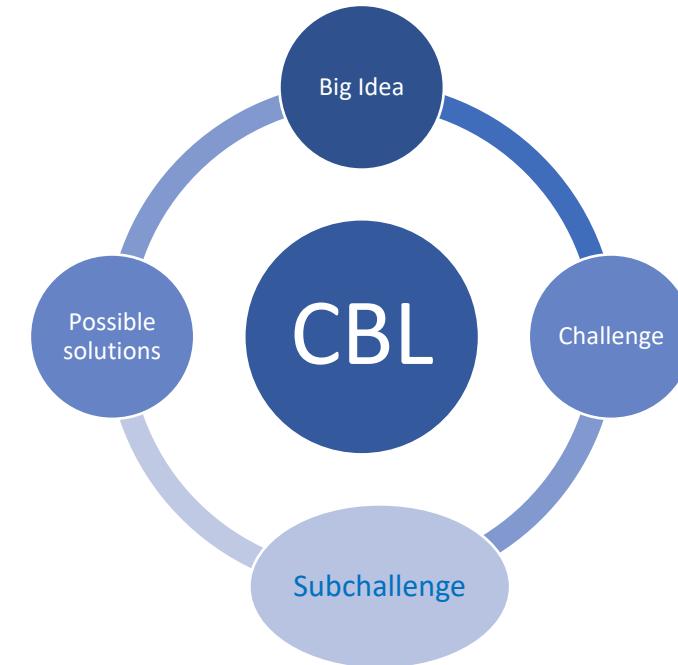
Els reptes són experiències formatives que tenen per objectiu treballar **problemàtiques de la vida real**, elaborar una **proposta de solució** i generar un **impacte**.



ECIU Challenges

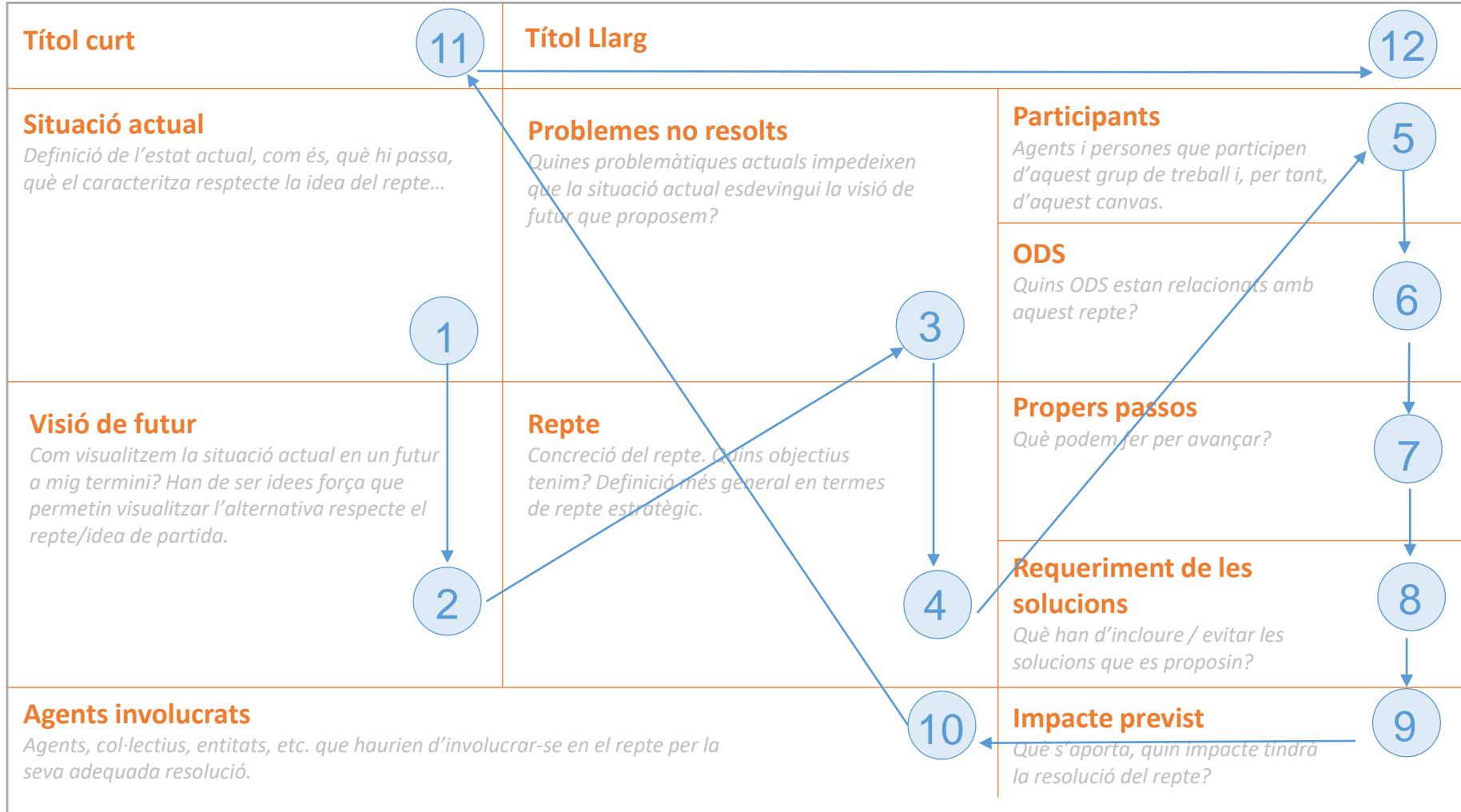


- Estan **vinculats a una problema global** (Big Idea): pobresa, sostenibilitat, habitatge...
- **No tenen una solució** única ni evident, sinó **diverses possibles solucions** que avancen el la millora
- Vinculada a tòpics com: economia circular, energia, sostenibilitat, emprenedoria, tecnologia, comunitats resilents...

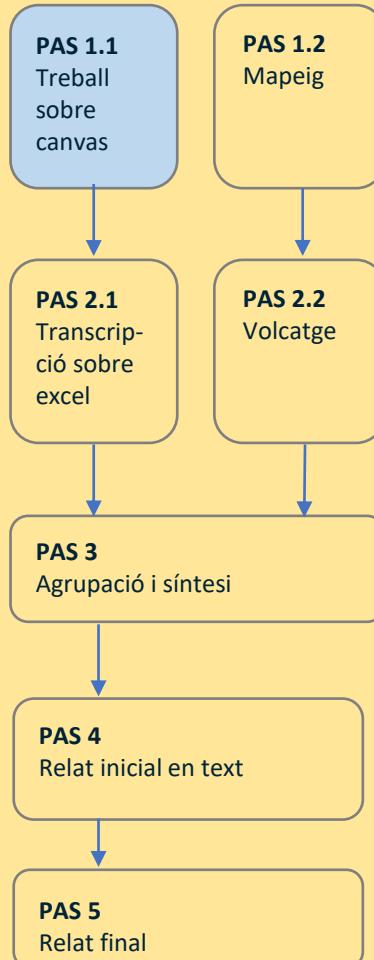


Com podem definir un repte?

El canvas com a eina per definir els REPTES ESTRATÈGICS



RESUM DEL PROCÉS METODOLÒGIC:



What is Challenge Based... Learning/Research/Innovation?

Challenge-Based Learning (CBL) takes places through the **identification, analysis and design of a solution to a sociotechnical problem**. The learning experience is typically multidisciplinary, involves different stakeholder perspectives, and aims to find a collaboratively developed solution, which is environmentally, socially and economically sustainable. (Kohn Rådberg et al. 2020, p 22)



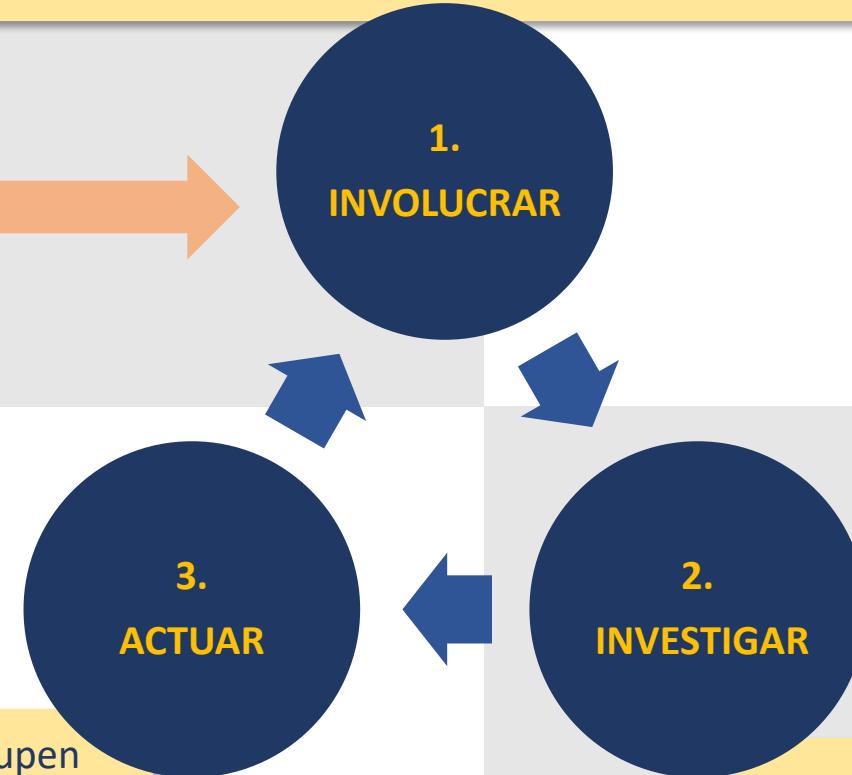
Implementar CBL suposa que l'equip:

- s'enfronti a una **problemàtica concreta i real** del territori
- explori possibles opcions de millora, arribant a formular una **proposta de solució**,
- Implementant-la i evaluant-la,
- alhora que estan **aprenent nous continguts teòrics**.

Challenge-Based Learning Cycle



- Es defineix la pregunta base del repte, segons la qual s'anirà elaborant la proposta de solució
- Es formen els equips de treball
- Es defineixen els rols, les tasques i les responsabilitats dels components dels equips de treball



- Els equips de treball desenvolupen una proposta de solució
- Es mira amb l'agent del territori la possibilitat d'avaluar i prototipar la solució proposada
- Els equips de treball autoavaluen el propi procés d'aprenentatge

- Els equips de treball aborden les qüestions fonamentals del repte
- Els equips de treball acorden la base teòrica i pràctica sobre la qual desenvoluparan la proposta de solució

CBL Criteria



Learner centered approach, that enables individual learning outcomes.



All partners are to be **involved** (learner, public or industrial stakeholder, university member) throughout the **3 steps** - engage, investigate, act



Learning environment guarantees **multidisciplinary teamwork** and decision making.



Format – nano, mini, standard or strategic challenges - includes the three CBL-phases engage, investigate, act. The form of the individual phases depends on the implemented format and the general conditions of the challenge.



Learning environment and access to learning materials are **free of barriers and enables learning in teams of traditional and non-traditional learners**. It enables lifelong learning.



The **last step** of each CBL-project is **reflection** of the learning and working process. Every format should provide an offer at least for the students, in best case for all partners.



Each CBL-team develops their **own working strategy within the format of challenge** (nano, mini, standard, strategic)

Formats of Challenges: NANO, MINI, STANDARD

NANO		MINI		STANDARD	
1-2 days	- (Part of a) Challenge	1-4 weeks	- Essential questions - (Part of a) Challenge	3-6 months	- Big Idea - Essential questions - Challenge
- Solution - Idea for further Steps	- Guiding questions - Guiding activities & resources - Analysis	- Solution - Implementation	- Guiding questions - Guiding activities & resources - Analysis	- Solution - Implementation - Evaluation and Publishing	- Guiding questions - Guiding activities & resources - Analysis
Specific content, area or skill		+ gain in depth subject area knowledge		+ collaboration in all phases	
21st-century competences (to be discussed in a next meeting)					

Què és un micro-mòdul?

It is a short training capsules which allow students to learn more about the United Nations' SDG #11, acquire additional skills to help them solve a challenge, or even just learn a new language.

(ECIU, 2022)

40 Micro-modules offered with a variety of subjects to choose from, including empathy and innovation in intercultural skills, gamification and negotiation skills, foreign languages, etc.

Choose a micro-module that intrigues you

The image shows a grid of six cards, each representing a different micro-module. Each card includes a small image, a title, a brief description, and a 'Open for application' button.

- Global Warming, Renewables, and Decarbonization**: An image of solar panels. Description: This module will cover bioethanol, biodiesel, fuels from cellulosic biomass, blue and green hydrogen including CO₂ capture and storage technologies, wind and solar power, the Carbon Cycle, Direct Carbon Capture... (3 ECTS)
- Haptics and gestures (gesture-based interfaces)**: A person interacting with a tablet. Description: Technology overall, provides a safe, controlled, predictable environment for individuals with developmental disabilities, and using gestures and haptic interaction allows input mechanisms that do not rely o... (1 ECTS)
- How to face disabled person?**: Two people at a table. Description: During course students have possibilities to reflect on and learn current phenomenon on disability participations. Course offers different interpretations how society can be seen disabilities in different models. One... (2 ECTS)
- Inkscape for Beginners**: People working at desks. Description: Inkscape is a free and open-source vector graphics editor. It is mostly used in graphic design for the creation of posters, illustrations, logos, typographies... In this workshop you will learn by doing small... (1 ECTS)
- Intercultural Competences: Guiding practical insights through Citizen Science (ICCS)**: A poster for the course. Description: Do you want to connect to people in an international setting? Do you want to start your future career prepared for the strongly interconnected world? Join our brand-new course on Intercultural Competences and... (2 ECTS)
- Introduction to Entrepreneurship - NNOOFA93-3004**: A person writing. Description: Introduction to Entrepreneurship covers the basic principles of entrepreneurship, its concepts and specific skills. You will learn about the entrepreneurial phenomena, the required skills, the challenges it creates an... (5 ECTS)



Reconeixement Credencials digitals



A European Digital Credential for Learning contains information about



describes claims relates to



Learning Outcomes

Assessments

Entitlements

Attestations

150 hours of
coursework

100 hours of apprenticeship

DE Qualification as a Painter

Entitlement to work as a painter

Recognition of qualification in FI

LO of skill of painting

Final Examination Grade B



Skills and competence recognition

MAKE A REAL IMPACT

JOIN THE TEAM AND
SOLVE ECIU UNIVERSITY
CHALLENGES!



ECIU
university

<https://engage.eciu.eu/browse>

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Exemples concrets a l'ECIU University : el repte del Prat de Llobregat



Format: Standard

Teamchers: Jose Luís Molina, Xavier Gabarrell, Jordi Verdú

Alumnat: 16 UAB + 9 altres universitats ECIU

Stakeholders: Ajuntament del Prat i Asociación Bienestar y Desarrollo



Closed for application

Transform the free food distribution program guaranteeing alimentary security for vulnerable groups.

Rethink and transform the current food security model (free and subsidy-based), by considering the whole food value chain and actors, with the intention to provide a...

REDUCING INEQUALITY, ZERO HUNGER, GOOD HEALTH AND WELL-BEING, RESPONSIBLE CONSUMPTION AND PRODUCTION, INDUSTRY, INNOVATION, AND INFRASTRUCTURE, SUSTAINABLE CITIES AND COMMUNITIES

Exemples concrets a l'ECIU University : el repte sobre prevenció de residus tèxtils



Format: Mini

Teamchers: Susana Toboso i Laura Talens

Alumnat: 6 universitats ECIU + 2 Life-Long Learners

Stakeholders: Mercavallès (CCVOC)

Finished

Prevention of textile waste

How to establish habits of consumption and closet replacement and elimination.
Consumption habits will be related to economic level, gender, age, territory.

Exemples concrets a la UAB: Coralina i Mirem el món

CORALINA

Facultat: Filosofia i Lletres + Open Lab Biblioteca d'Humanitats

Assignatura: Art romà

Professores: Montserrat Claveria i Saray García

Repte: Com li donem sentit al patrimoni de l'antiguitat clàssica avui? una aposte de CBL per incorporar el passat en els reptes de la nostra societat

Stakeholders: Museu d'Arqueologia de Catalunya (MAC)

MIREM EL MÓN

Facultat: C.C. Educació.

Assignatura: "Mirem el Món" de primer del Grau d'Educació Primària en Anglés.

Professora: Sandra Saura

Repte: Sostenibilitat dels aliments a la UAB.

Stakeholders: la restauració de la UAB.

La Coralina en color



**DIMECRES 30 DE MARÇ A LES 19:00
MUSEU D'ARQUEOLOGIA DE
CATALUNYA**

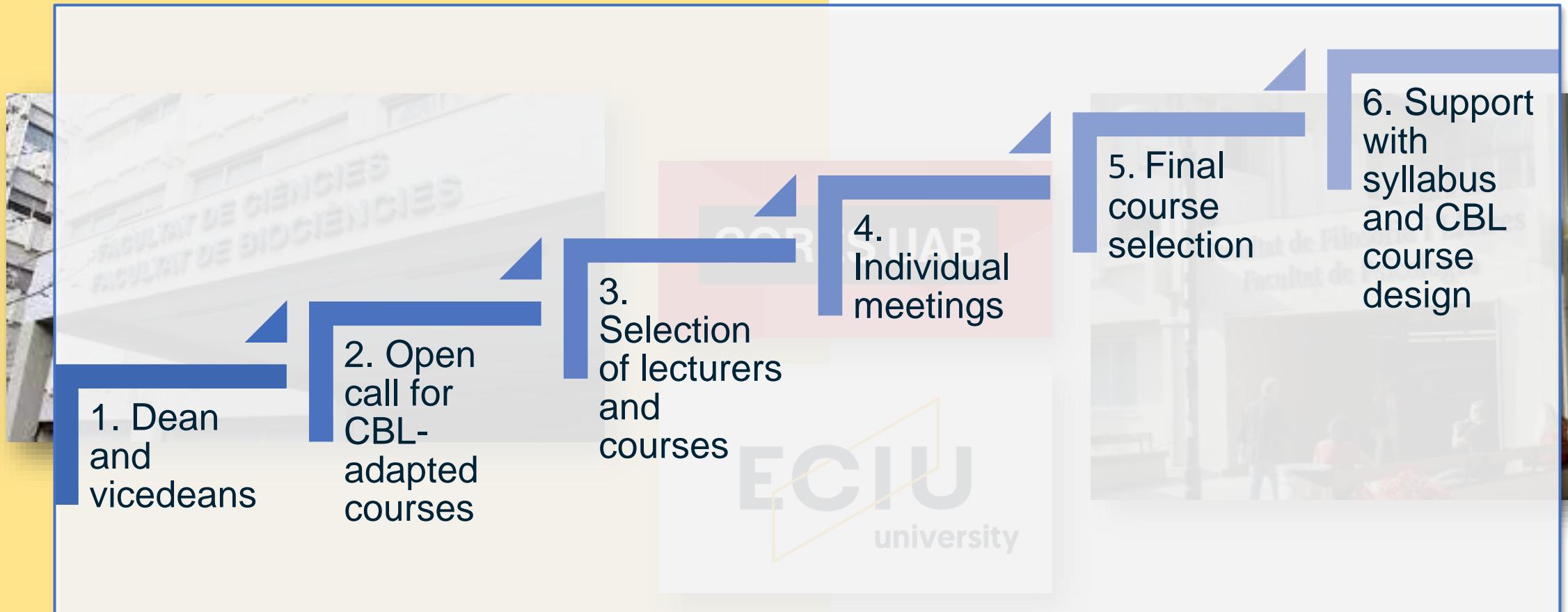
Pg. Santa Madrona, 39
08038 Barcelona



La implementació institucional de l'ABR a la UAB: Els actors claus



La implementació institucional de l'ABR a la UAB: Els actors claus



SÓC PDI, COM PUC PARTICIPAR EN L'ECIU UNIVERSITY?



- Incorporar, en una de les assignatures, l'aprenentatge basat en reptes (**Challenge Based Learning** o CBL)
- Fer de dinamitzador i guia (**teamcher**) d'un grup de treball interdisciplinari internacional d'un repte de l'ECIU University
- Proporcionar reptes i **stakeholders**
- Dissenyar un **micro-mòdul formatiu** per complementar coneixements i competències necessàries pels participants en reptes de l'ECIU University
- Participar en projectes de recerca basats en reptes de l'ECIU University (**Challenge Based Research** o CBR)

<https://eformularis.uab.cat/group/alta-eciuuniversity-participaciocient/eciu-university-participacio-docent>

SÓC PAS, COM PUC PARTICIPAR EN L'ECIU UNIVERSITY?



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Preguntes, dubtes, comentaris?



REPTES



Proporcionar habitatges assequibles, dignes i energèticament eficients per garantir un dret bàsic i enfortir la vida comunitària.

ABD- Asociación de Bienestar y Desarrollo



Aprofitar les oportunitats de l'economia digital per crear millors llocs de treball, fomentar la igualtat de gènere i generar riquesa comunitària.

Ajuntament de Barcelona

ABD- Asociación de Bienestar y Desarrollo



Superblock de Covadonga

Ajuntament de Sabadell



Transformar el programa gratuït de distribució d'aliments garantint la seguretat alimentària per a grups vulnerables

ABD- Asociación de Bienestar y Desarrollo

Ajuntament del Prat de Llobregat

SUB-REPTES



Accés a l'habitatge socials en situacions d'emergència i risc



Transició energètica: un detonant per acabar amb les desigualtats socials



Interseccionalitat en les estratègies de reducció de les pobreses femenines



Reducció de la breixa digital.



Foment del lideratge comunitari.



Creació i foment d'ecosistemes i xarxes locals dins del territori.



En procés



En procés



SESSIONS de CO-CREACIÓ STAKEHOLDERS i PARTICIPANTS



En procés

MICROMÒDULS A



Moltes gràcies

The ECIU University is an EU-funded initiative that creates a groundbreaking and innovative educational model on a European scale.

www.eciu.org



A aquesta presentació s'han fet servir algunes imatges de l'ECIU University, només per finalitat divulgativa.



With the support of the Erasmus+ Programme of the European Union

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