ECF4CLIM project in a nutshell

A EUROPEAN COMPETENCE FRAMEWORK FOR A LOW CARBON ECONOMY AND SUSTAINABILITY THROUGH EDUCATION

GOBIERNO DE ESPAÑA · MINISTERIO DE CIENCIA E INNOVACIÓN · Ciemat Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas

European Commission

HORIZON 2020
EUROPEAN GREEN DEAL CALL

ECF4CLIM in a nutshell

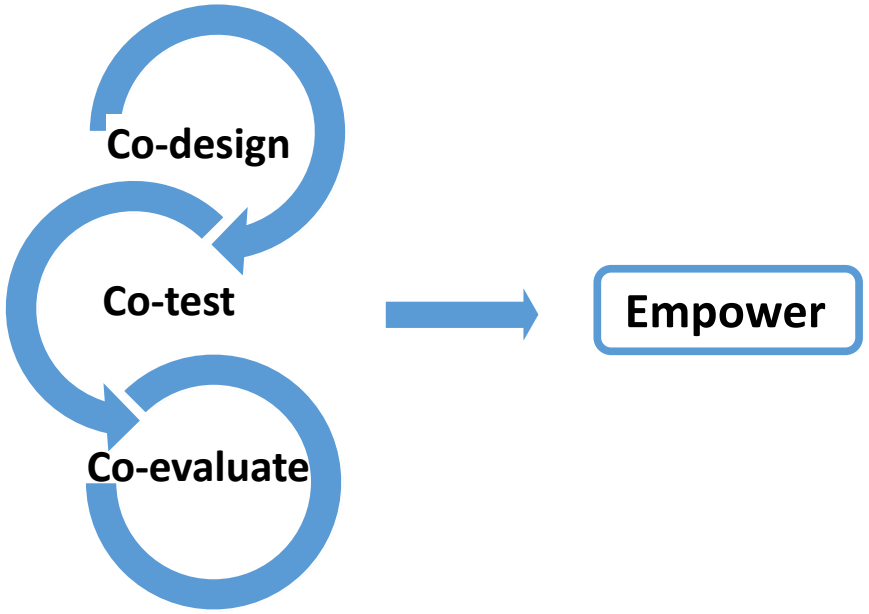
- **Why?** Aim and objective
- **What?** Specific objectives and outcomes
- **How?** Methods
- **Who?** Project team
- **When?** Timeline

Why? ECF4CLIM Project aim

Through a **multidisciplinary, transdisciplinary and participatory process ECF4CLIM develops, tests and validates a European Competence Framework (ECF) for transformational change,** which will empower the educational community to take action against climate change and towards sustainable development.

What? ECF4CLIM specific objectives

To strength **individual** (knowledge, skills, attitudes) **and collective** (practices and social norms) **competences** in the areas of the climate change and sustainable development, we envision 4 lines of action:



1. **Co-design the ECF:** identifying challenges & opportunities with schools & universities (individual & collective competences)
2. **Test the ECF:** a variety of contextually adapted interventions at our demonstration sites (environmental & behavioural)
3. **Engage in the ECF evaluation:** the broader educational community (individual & collective drivers and barriers)
4. **Empower the broader educational community** to trigger and sustain transformational change towards a more sustainable future.

How? ECF4CLIM methods

✓An **innovative hybrid conceptual and methodological participatory approach** combining elements from a variety of disciplines

→participatory action research
→citizen science
→citizen engagement
→theory-based stakeholder evaluation
→…

✓**Monitoring and evaluation methods:**

→**environmental performance** (environmental sciences): LCA, KPI, IoT solutions for real-time monitoring, Dynamic building energy performance tool..

→**individual & collective performance** (social sciences): semi-structured interviews, short surveys, secondary data analysis …

How? ECF4CLIM work structure

The ECF in context: testing & evaluating (demonstration sites)

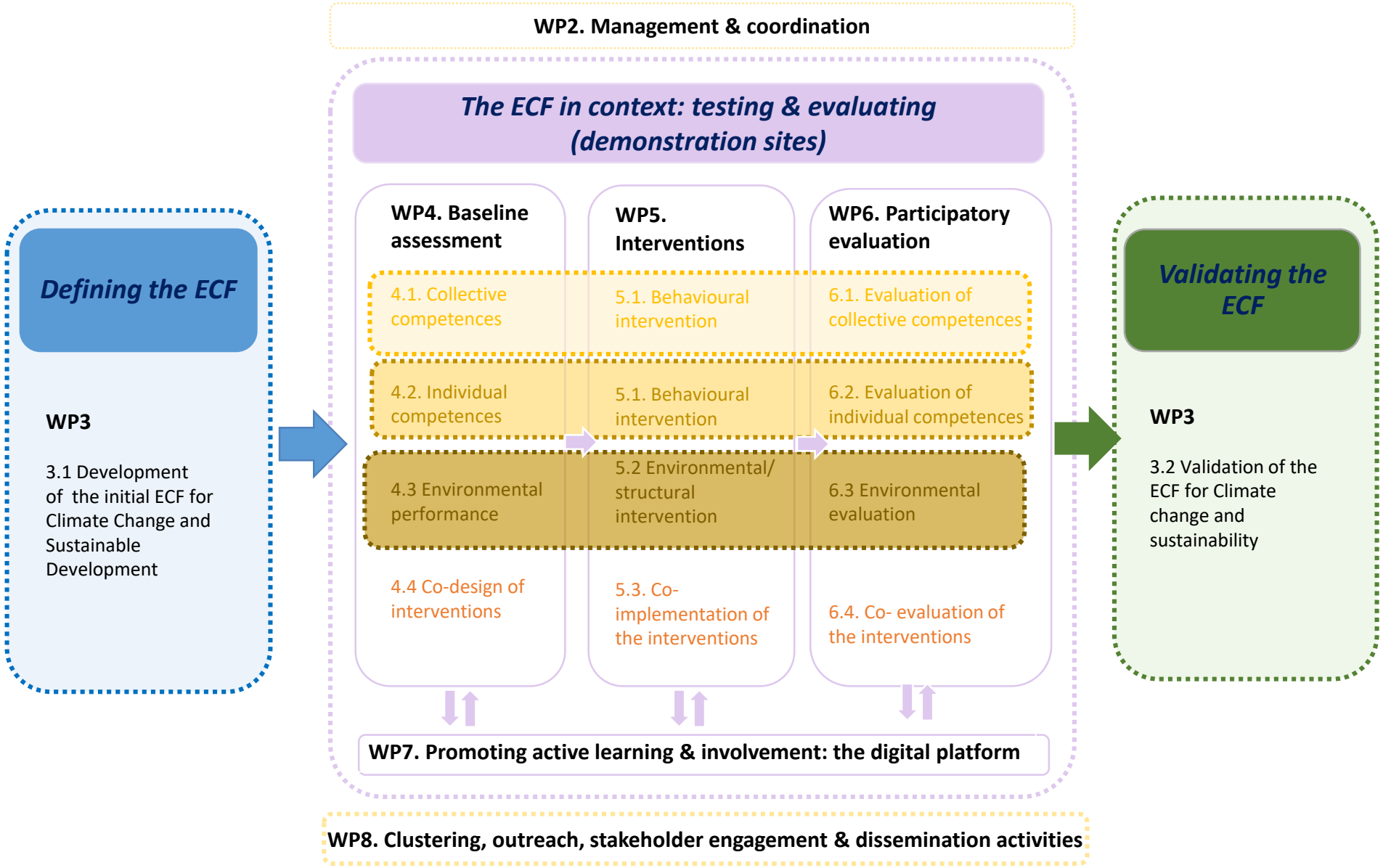
Defining the ECF

baseline

intervention

evaluation

Validating the ECF


WP2. Management & coordination
The ECF in context: testing & evaluating (demonstration sites)
Defining the ECF
WP3
3.1 Development of the initial ECF for Climate Change and Sustainable Development
WP4. Baseline assessment
WP5. Interventions
WP6. Participatory evaluation
4.1. Collective competences
5.1. Behavioural intervention
6.1. Evaluation of collective competences
4.2. Individual competences
5.1. Behavioural intervention
6.2. Evaluation of individual competences
4.3 Environmental performance
5.2 Environmental/ structural intervention
6.3 Environmental evaluation
4.4 Co-design of interventions
5.3. Co-implementation of the interventions
6.4. Co- evaluation of the interventions
WP7. Promoting active learning & involvement: the digital platform
Validating the ECF
WP3
3.2 Validation of the ECF for Climate change and sustainability
WP8. Clustering, outreach, stakeholder engagement & dissemination activities

Who? ECF4CLIM team

Partners

GOBIERNO DE ESPAÑA · MINISTERIO DE CIENCIA E INNOVACIÓN · Ciemat Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas

TÉCNICO LISBOA

UNIVERSIDAD D SEVILLA 1505

JYVÄSKYLÄN YLIOPISTO UNIVERSITY OF JYVÄSKYLÄ

UAB Universitat Autònoma de Barcelona

iSQ

TREBAG SMARTWATT

Associated partners

CEIP MOZART

IES ÍTACA

UAB Universitat Autònoma de Barcelona

AGRUPAMENTO DE ESCOLAS DE CAMARATE D. NUNO ÁLVARES PEREIRA

Eco-Escolas

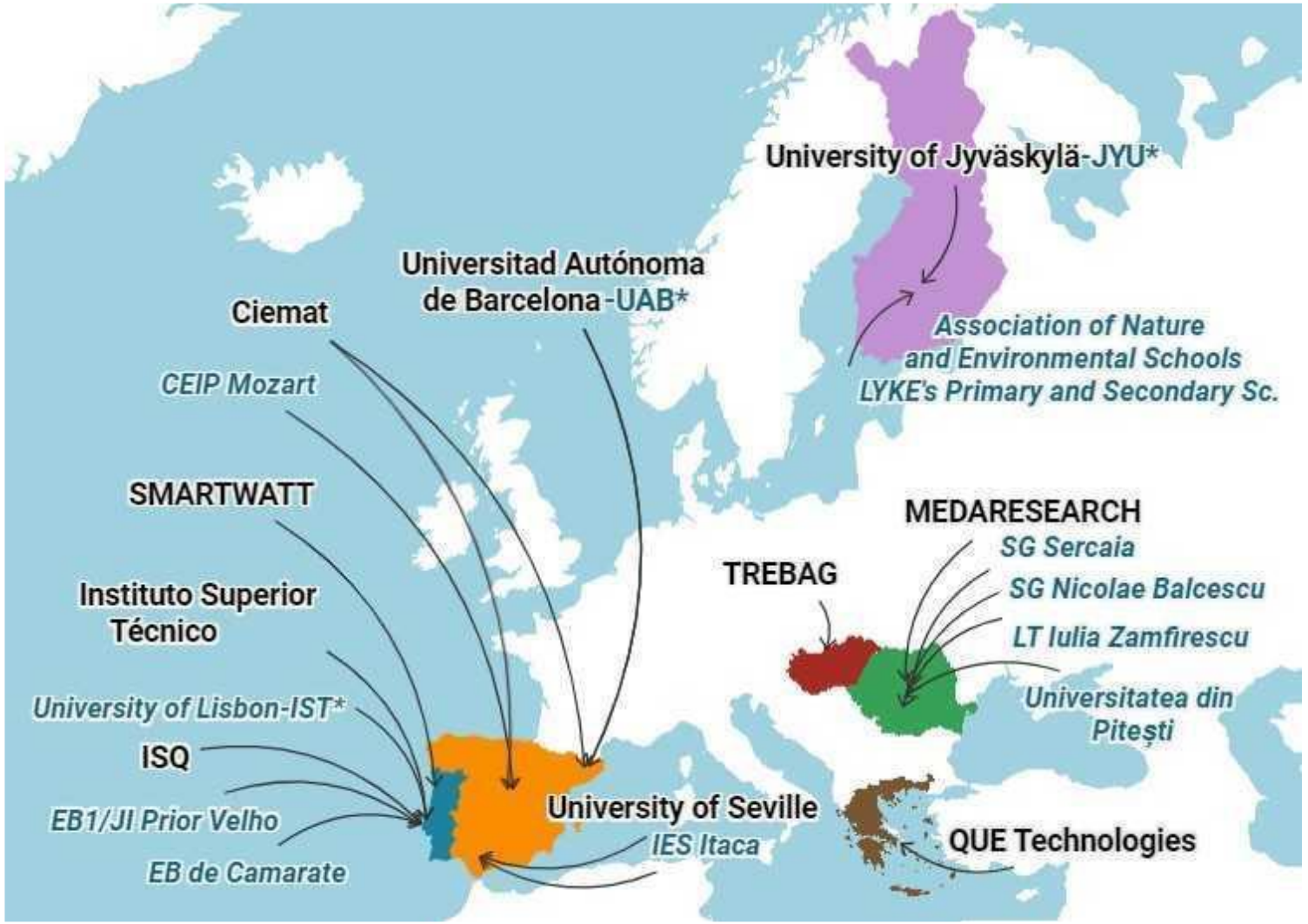
IULIA ZAMFIRESCU LICEUL TEORETIC

U LISBOA | UNIVERSID. DE LISBOA

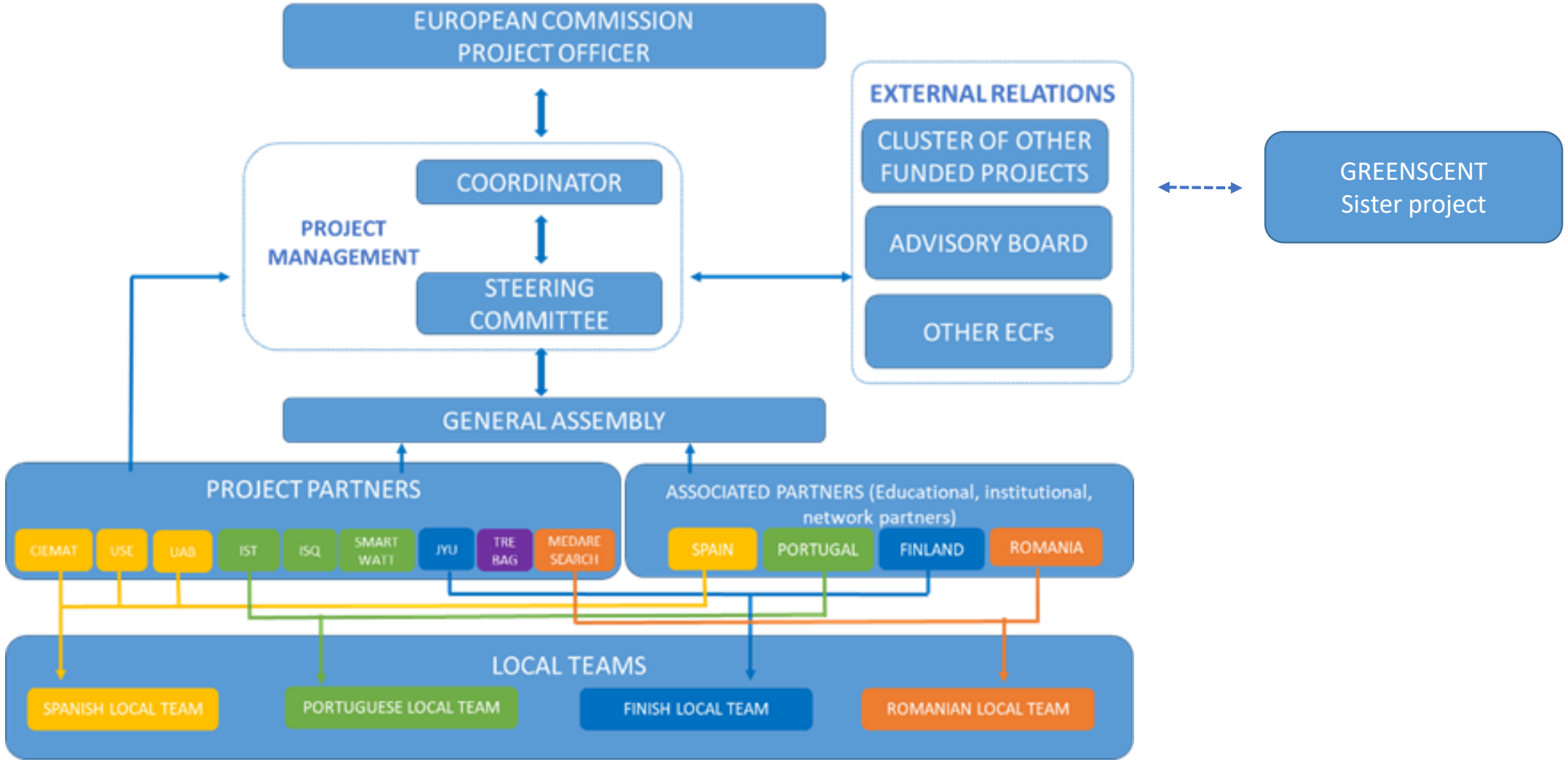
JYVÄSKYLÄN YLIOPISTO UNIVERSITY OF JYVÄSKYLÄ

Școala Gimnazială Nicolae Bălcescu Drăgășani

UNIVERSITATEA DIN PITEȘTI



Who? ECF4CLIM governance



Who? ECF4CLIM & GREENSCENT sister projects

✓**Action Plan** for a collaborative strategy:

- Nominate a project ambassador
- Organize regular meetings
- Create a shared platform and calendar of events
- Propose new ideas for publications
- Organize panels for future conferences

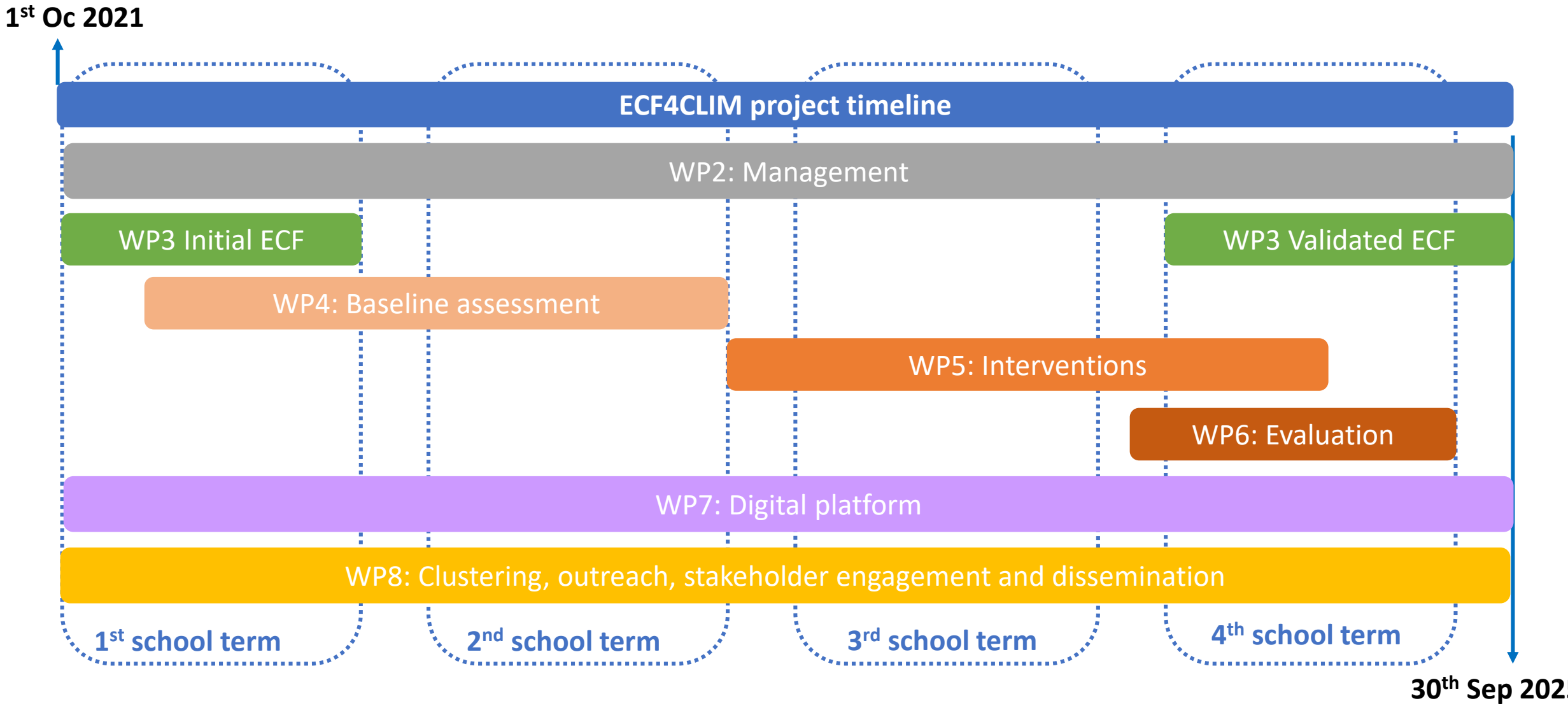
✓**Similar approach** in drafting the 1st release of the CFs

✓**Advisory Board** to support mutual participation in respective sister projects.

✓**Specific activities and tasks** devoted to interact with the sister project

- SCENT Task 6.2 “SCENT clustering and peer learning activities”
- ECF4CLIM Task 8.4. “Clustering Activities Plan”

When? ECF4CLIM timeline



What? Expected outcomes

A unique ECF that encompasses the **interacting STEM-related, digital and social competences**, and systematically explores **individual, organizational & institutional factors** that enable or constrain the desired change.

A novel hybrid participatory approach that provides the broad educational community with:

- ✓ an ECF **adaptable** to a range of settings;
- ✓ **new ways of collaboration** between public & private bodies;
- ✓ **innovative organizational models** of engagement and action for sustainability (Sustainability Competence Teams and Committees).

ECF4CLIM contact

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