



Teacher Academy Project
TEACHING SUSTAINABILITY

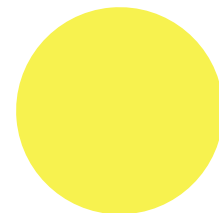


Co-funded by the
Erasmus+ Programme
of the European Union

TAP-Teaching Sustainability

**Sessão de informação – Ações centralizadas Ação-chave 2 (KA2) —
Cooperação entre organizações e instituições**

27 de fevereiro de 2025



TAP-TS Consórcio



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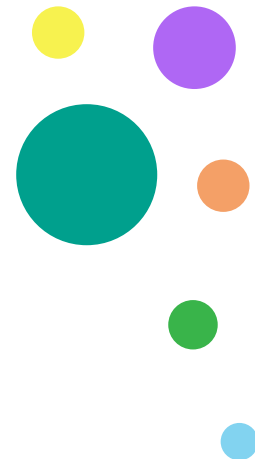
TAP-TS is funded by the European Union under grant agreement No. 101056248 within the framework of the ERASMUS+ teacher training colleges



(TAP-TS) é uma das 11 Academias de Professores Erasmus+ inaugurais, a decorrer entre junho de 2022 e julho de 2025.



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Visão do TAP-TS

A visão do TAP-TS é:
envolver uma comunidade internacional diversificada de professores, estudantes da formação inicial de professores (Ensino Básico e Secundário) e formadores de professores no desenvolvimento de competências na educação para a sustentabilidade através da participação em comunidades de aprendizagem profissional, eventos e atividades e na co-criação, pilotagem e adaptação contínua de materiais de ensino e aprendizagem.



Os objetivos do Projeto

- Construir e consolidar uma rede de instituições de formação de professores e parceiros.
- Co-criação e co-desenvolvimento de 7 módulos de conteúdo / pacotes de ensino e aprendizagem (LTP) com todos os recursos, testados e validados, que abordam várias dimensões da educação para a sustentabilidade.
- Desenvolver e testar 3 modelos diferentes de mobilidade (virtual, híbrida e física).

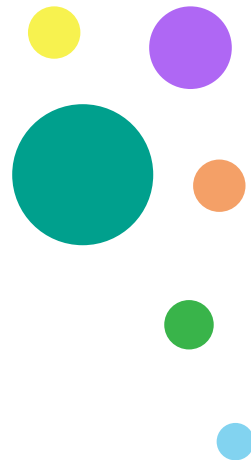
Outputs

O TAP-TS tem duas principais vertentes de realização centradas na Educação para a Sustentabilidade,

Os Pacotes de Ensino e Aprendizagem (LTPs)

O Programa de Formação de Professores

7 Learning and Teaching Packages (LTPs)





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1 CLARIFY THE GOAL

A goal of TAP-TS is to create learning and teaching packages that would enable teachers and learners think and act sustainably. Find a focus based on SDGs, GreenComp Framework or a sustainability problem, and define learning objectives within the seven TAP-TS themes.

1. A Sustainable Europe.
2. Sustainability and Digitality.
3. Sustainability and Environmental Education
4. Climate Crisis Resilience
5. Dealing with Climate Disinformation.
6. Green Citizenship in/for Europe.
7. Sustainable Entrepreneurship Education.

2

PLAN

Consult the TAP-TS LTPs Architecture. The LTPs Units should address the interconnected competences as defined e.g. in the Green Comp Framework:

1. Embodying sustainability values
 - 1.1 Valuing sustainability | 1.2 Supporting fairness | 1.3 Promoting nature
 2. Embracing complexity in sustainability
 - 2.1 Systems thinking | 2.2 Critical thinking | 2.3 Problem framing
 3. Envisioning sustainable futures
 - 3.1 Futures literacy | 3.2 Adaptability | 3.3 Exploratory thinking
 4. Acting for sustainability
 - 4.1 Political agency | 4.2 Collective action | 4.3 Individual initiative
- See GreenComp for details

3

BUILD NETWORK AND GROW EXPERTISE

See what resources are available and could support your LTP (teaching-learning materials, etc.). Network with colleagues and partner institutions regionally and nationally. Describe possible collaborations with the 'world of work'.

4

LEARNER CENTERED & INCLUSIVE

REFLECTION FOR ACTION

TRANSFORMATIVE

ROADMAP Developing TAP-TS Materials



7

SHARE

Publish and share your materials under a Creative Commons license as open access. Because that is sustainable!

6

REFLECT

In Education for sustainability assessment is multifaceted, and primarily encourages reflection for action and future-oriented aimed to raise questions and practise a critical perspective.

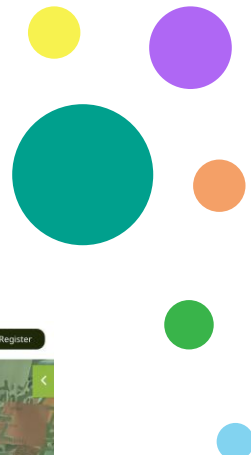
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DO IT! HAVE FUN! DISCUSS! BE CREATIVE!

There is no ONE right answer! Give TS an important place in curricula and implement credits, badges or awards for it.



7 Learning and Teaching Packages (LTPs)

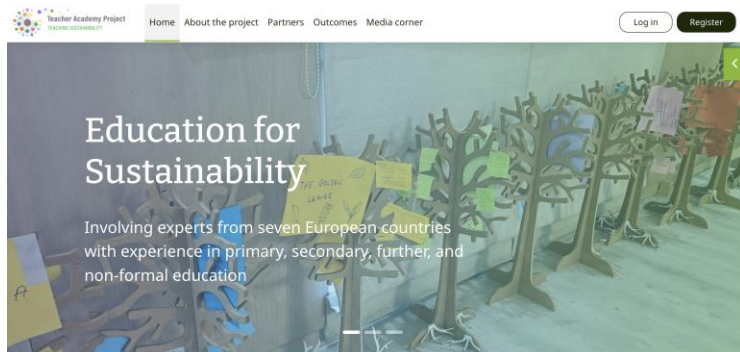


Erasmus+ Programme Teacher Academy Project-
Teaching Sustainability

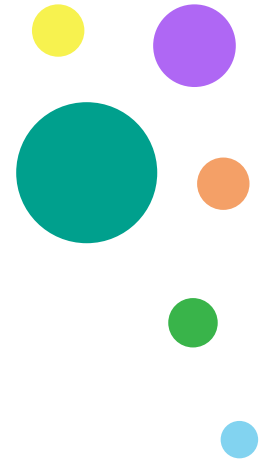
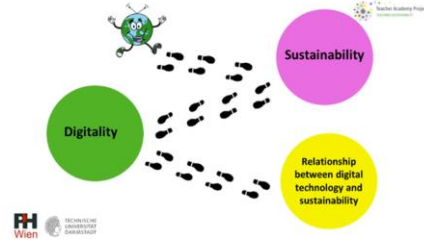
TEACHING SUSTAINABILITY: a Compendium of TAP-TS Learning & Teaching Packages

An educators' resource for building teaching
sustainability competence

Elena REVYAKINA (Editor)
28.11.2024



11 Teacher education events



Transdisciplinaridade no TAP-TS

7 Países

11 Instituições Parceiras

2 Escolas,

5 IES

1 Agência Governamental

2 empresas na área da
educação,

1 organização da sociedade
civil

8 áreas interdisciplinares
relacionadas com a

educação para objetivos
sustentáveis: digitality;

entrepreneurship;

STEAM; environmental
education; teacher

professional learning;

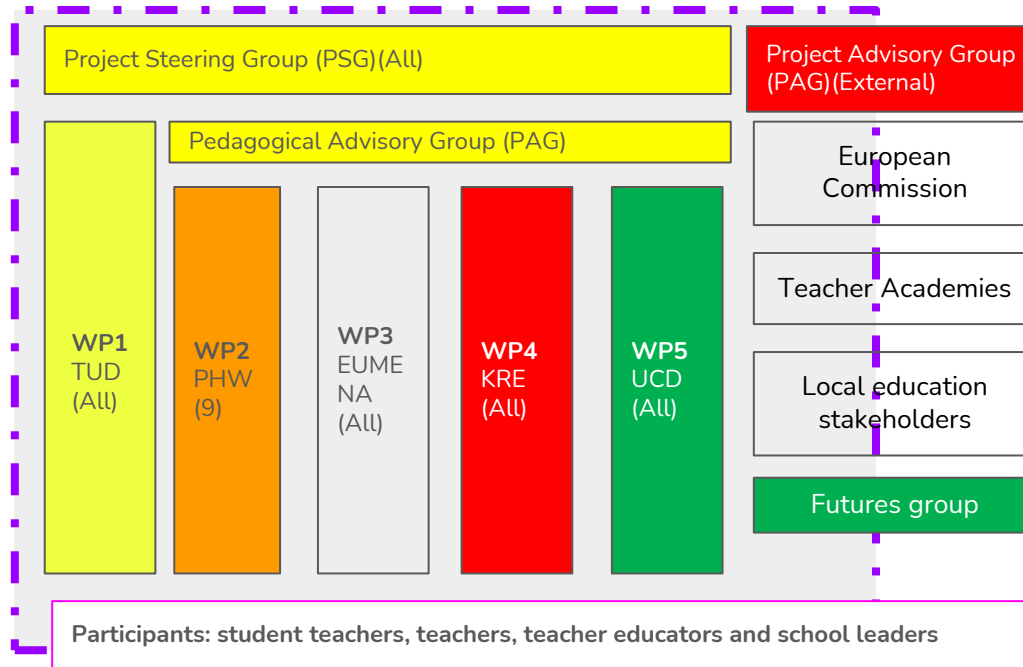
language and education;

serious games; and media

education

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“(…) a key component in TAP-TS is its transdisciplinary set-up” (KRE, 2024 p.30)

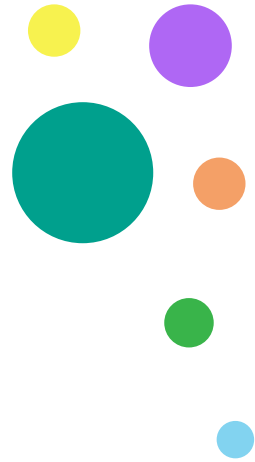


TAP-TS Learning Evaluation

TAP-TS Learning Evaluation carried out by KR Education (KRE)

- Mixed methods
- Participant observation
- Surveys
- Focus groups
- Interviews
- Document review
 - Regular feedback to the project.
 - Annual evaluation reports (KRE, 2023 and 2024).

Data from Moodle platform (EUMMENA)





TAP-TS approach

Learning and Teaching Packages

involve us observing a phenomenon (e.g. a perceived problem in the classroom: **the necessity of improving learning on sustainability and teaching of sustainability**)

developing a hypothesis (e.g. regarding the possible cause of the problem: **better teaching materials and better training can improve sustainability education**)

and then testing this hypothesis (e.g. trying out a potential solution to the problem – **implementation of LTPs focused on sustainability teaching**)

Reflection-on-action MaRIA framework

Aimed at promoting reflection (individually and/or with peers) on how the LTP activities contribute to developing sustainability competences and acting in a more sustainable way.

Online
workshops

ALE

Summer
school

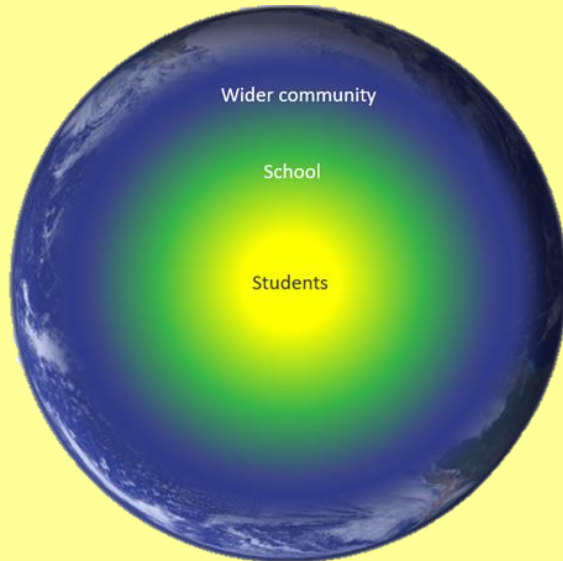
Autumn
school



MaRIA FRAMEWORK

Modelling and Reflecting on Instructional Activity

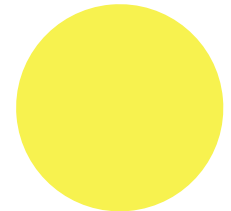
Three levels of engagement



Dimensions of reflection

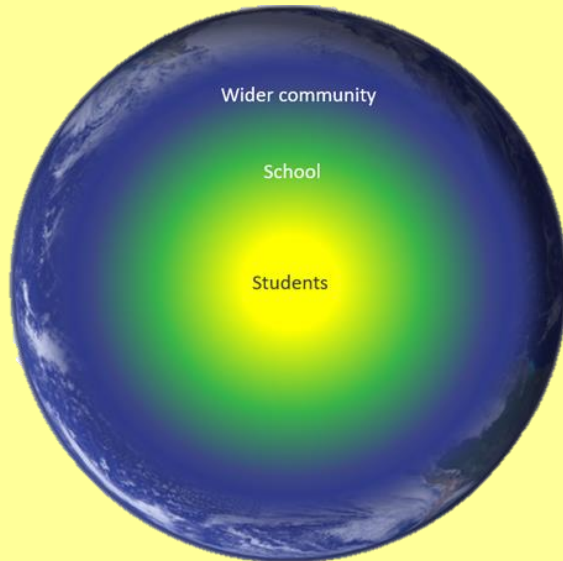
-  Learning objectives
-  Integration with different subjects
-  Inclusion
-  Sustainability awareness
-  Digital resources and equipment
-  Community involvement
-  Assessment and feedback

Generative reflection





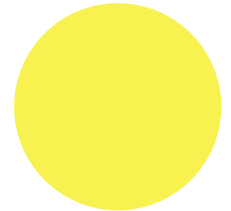
Three levels of engagement



Dimensions of reflection

-  Learning objectives
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Improving
teaching
sustainability





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A voz dos Dirigentes das IES

Zz



(George Camacho, 2025 | School leader reflection about TAP-TS)



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A Voz dos Estudantes da Formação Inicial

Zz



(Ana Leonardo, 2025 | Student teacher reflection about TAP-TS)



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A voz dos Professores

Zz



(Olga, 2025 | Inservice teacher reflection about TAP-TS)



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Obrigada!



Susana Colaço

