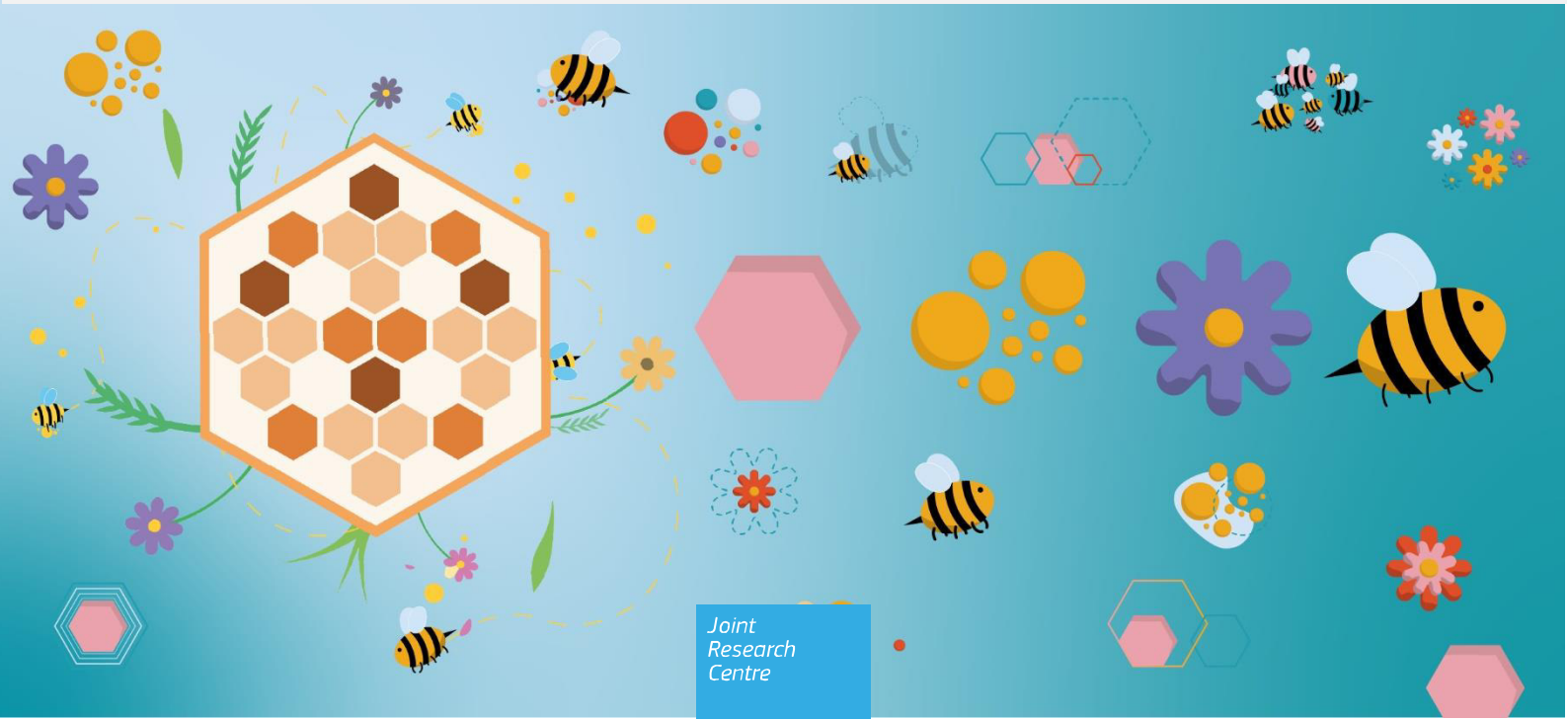
European Commission

The GreenComp Game

Sustainability Conversations

Szkola, S., Napoli, V., Pisiotis, U., Williquet, F.

2024



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Education for Climate

THE GREENCOMP GAME
SUSTAINABILITY CONVERSATIONS

European Commission

Sustainability Conversations
The GreenComp Game

Education for Climate

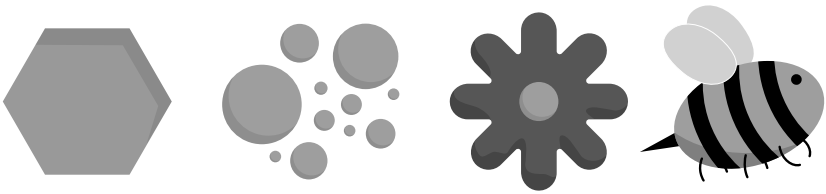
Abstract

The 'Sustainability Conversations' game is designed to foster discussions and identify priorities for building a sustainable future. This playful learning resource is based on GreenComp, the European sustainability competence framework, and supports its community. It also aligns with 'Scaffold', the European Training Foundation's card game tool aiming at making European competence frameworks simple and easy to use.

The game is structured to be used within formal and informal learning settings, both as a preparatory tool for classes and as a space for learners to explore and prioritize sustainability goals, no matter their age or background.

By engaging in this conversational game, participants dive into the UN's Sustainable Development Goals (SDGs), aligning them with Education for Climate goals and GreenComp competences, ultimately guiding educators and learners in their pursuit of meaningful and impactful learning activities.

The game includes detailed instructions and all necessary card decks for playing it, making it a versatile addition to sustainability education.



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The GreenComp game is a conversational game during which players discuss and assess their priorities to build a sustainable future.

Goal

To encourage discussion and learning around how to boost green competences for a sustainable future by exploring the EducationForClimate's innovation areas, the Sustainable Development Goals (SDGs), and the 12 competences of the European sustainability competence framework (GreenComp).

Players

Multiple groups of 3-5 players each. You can play it with one group for in-depth reflection, or with more groups the final comparative discussions will be more fruitful!

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Materials

A set of **17** cards
with the Sustainable Development Goals (SDGs cards)

A set of **5** cards
with the EducationForClimate's innovation areas (E4C goal cards)

A set of **16** cards
with the GreenComp competences (GreenComp cards)

A set of **3** wildcards to be used (if necessary) with the GreenComp cards

A **timer** (60 minutes in total)

Preparation

Get ready and create groups of 3-5 people.

Each round is played in each group, followed by a conclusion where all groups come together to discuss, compare, and reflect on their different outcomes.

For each round, ask the given question and pair the cards. Proceed to reflect collectively.

Timing

The following timing for each step of the game is set considering groups of four people.
If you have less, each player will have more time, if you have more, make sure that everybody still has enough time to contribute by adapting activity timings.

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1

Preparation (5 minutes)
Split into groups of 3-5 players each.

Get the three card sets (SDGs, EducationForClimate goals, GreenComp) ready for each group.

Explain the game - goals and rounds - to all players.

Set the timer and have fun!

2

First round (10 minutes)
Which SDG do you want to strengthen in your learning activity?

Discuss in your group and agree on one SDG card.

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3

Second round (10 minutes)
Which of the five innovation areas is needed the most for this SDG?

Discuss in your group and select one or more EducationForClimate goal card(s).

4

Third round (15 minutes)
What are the green competences you need to develop more to reach this SDG and E4C goal(s)?

Discuss in your group and select one or more GreenComp cards.

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5

Conclusions (10 minutes)
What are the chosen priorities selected by each group?

Discuss, compare, and reflect on the different outcomes of all groups.

Tip: Play the Scaffold Game as a follow-up to design your desired learning activity.

6

What next? (10 minutes)
Are you curious about what other players across the EU have been discussing?

Check their conclusions and share yours on the EducationForClimate platform.

What is your desired SDG - EducationForClimate goal - green competence combination to focus on in your learning activities now?

Join the
Scaffold Game

Join the
GreenComp Community

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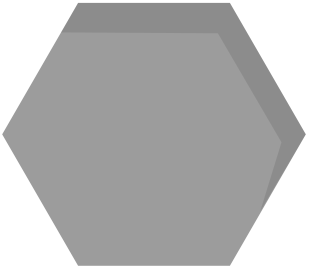

Embodying sustainability values

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GreenComp Areas

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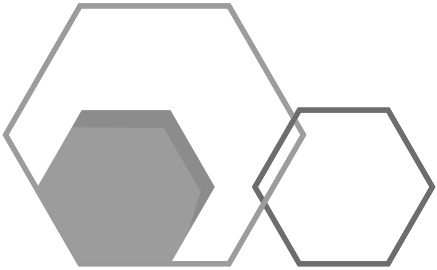

Valuing sustainability

To reflect on personal values;
identify and explain how values vary
among people and over time,
while critically evaluating
how they align with sustainability values.

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GreenComp Competences

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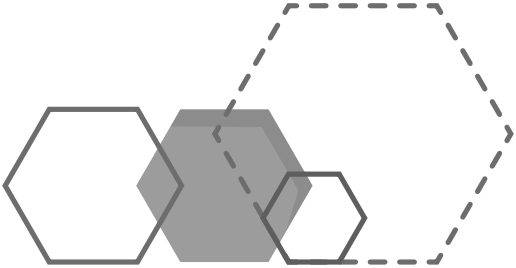

Supporting fairness

To support equity and justice
for current and future generations
and learn from previous generations
for sustainability.

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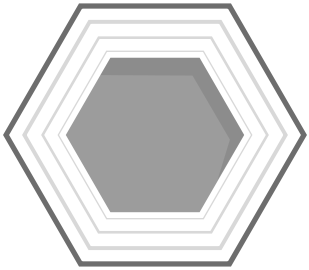

Promoting nature

To acknowledge that
humans are part of nature;
and to respect the needs and rights of
other species and of nature itself
in order to restore and regenerate
healthy and resilient ecosystems.

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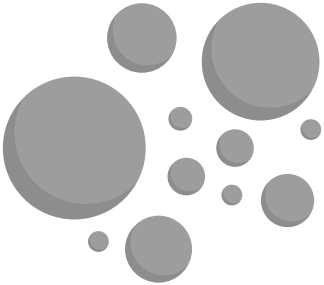
Wildcard

Wildcard

Education for Climate



Embracing complexity in sustainability

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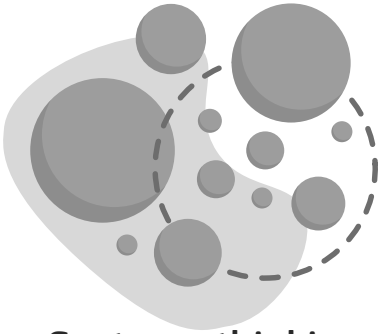
GreenComp Areas

Education
for Climate



Systems thinking

To approach
a sustainability problem from all sides;
to consider time, space and context
in order to understand
how elements interact
within and between systems.

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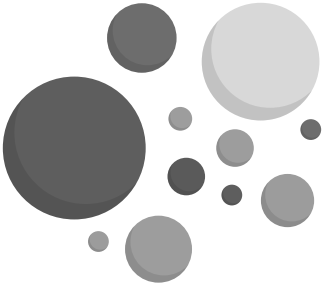
Education for Climate



Critical thinking

To assess information and arguments,
identify assumptions,
challenge the status quo,
and reflect on how
personal, social and cultural backgrounds
influence thinking and conclusions.

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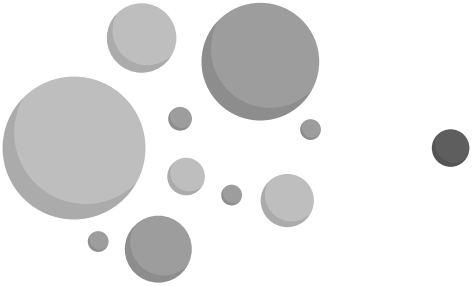
for Climate



Problem framing

To formulate
current or potential challenges
as a sustainability problem
in terms of difficulty, people involved,
time and geographical scope,
in order to identify suitable approaches
to anticipating and preventing problems,
and to mitigating and adapting
to already existing problems.

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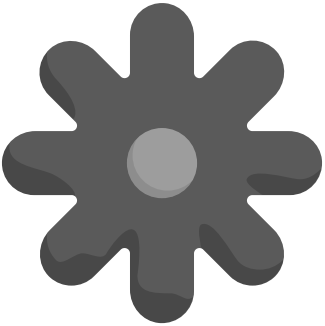
GreenComp Competences

Education for Climate

Wildcard

GreenComp Competences

Education for Climate



Envisioning sustainable futures

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GreenComp Areas

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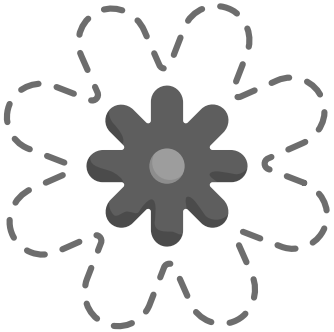

Futures literacy

To envision
alternative sustainable futures
by imagining and developing
alternative scenarios and
identifying the steps needed
to achieve a preferred sustainable future.

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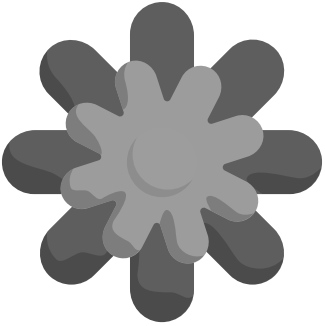

Adaptability

To manage transitions and challenges in complex sustainability situations and make decisions related to the future in the face of uncertainty, ambiguity and risk.

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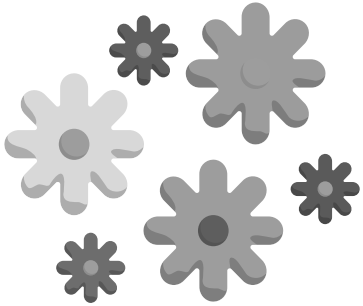

Exploratory thinking

To adopt a relational way of thinking
by exploring and linking
different disciplines,
using creativity and experimentation
with novel ideas or methods.

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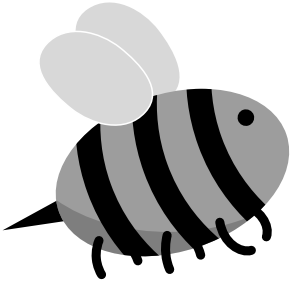
GreenComp Competences

Education for Climate

Wildcard

Wildcard

Education for Climate



Acting for sustainability

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GreenComp Areas

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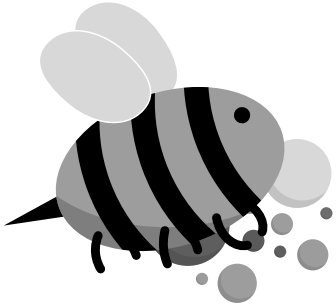

Political agency

To navigate the political system, identify political responsibility and accountability for unsustainable behaviour, and demand effective policies for sustainability.

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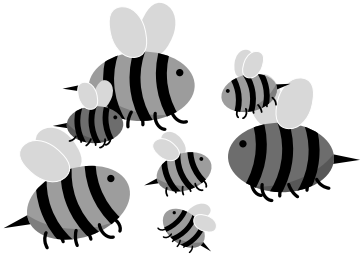

Collective action

To act for change
in collaboration with others.

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Individual initiative

To identify
own potential for sustainability and
to actively contribute
to improving prospects
for the community and the planet.

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GreenComp Competences

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To equip learners with
the knowledge, skills, and attitudes
necessary to address climate challenges.
It involves community-building
around GreenComp,
the European
sustainability competence framework,
aiming at enabling innovative
and interdisciplinary approaches.

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EducationForClimate
Innovation Goals

Education
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To empower educators and trainers professionally with an emphasis on interdisciplinary approaches to sustainability education. It involves networking aiming at encouraging collaboration on and easy access to materials for quality education.

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EducationForClimate
Innovation Goals

Education for Climate

To establish connections between education, training, and academic communities in the context of climate issues. It involves citizen science aiming at raising civic engagement for active participation in green education initiatives.

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EducationForClimate
Innovation Goals

Education for Climate

To foster climate literacy among individuals and communities. It involves outreach aiming at raising the stakes for climate-related issues.

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EducationForClimate
Innovation Goals

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for Climate

To motivate behavioural change
towards sustainability
within educational environments
and the broader community.
It involves collaborative, practical,
and experiential learning approaches,
aiming at changing behaviours and
practices across communities.

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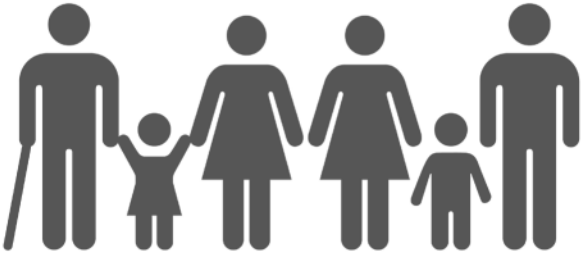
EducationForClimate
Innovation Goals

1 NO POVERTY



The United Nations
Sustainable Development Goals

2 ZERO HUNGER

The United Nations
Sustainable Development Goals

3 GOOD HEALTH AND WELL-BEING

The United Nations
Sustainable Development Goals

4 QUALITY EDUCATION

The United Nations
Sustainable Development Goals

5 GENDER EQUALITY

The United Nations
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6 CLEAN WATER AND SANITATION

The United Nations
Sustainable Development Goals

7 AFFORDABLE AND CLEAN ENERGY

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Sustainable Development Goals

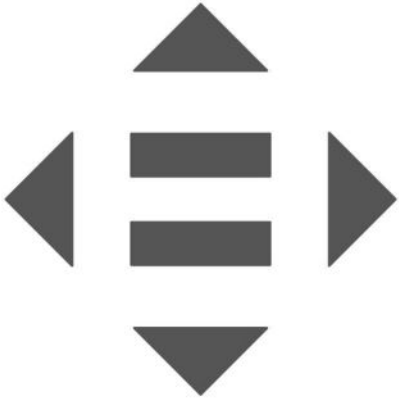
8 DECENT WORK AND ECONOMIC GROWTH

The United Nations
Sustainable Development Goals

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

The United Nations
Sustainable Development Goals

10 REDUCED INEQUALITIES

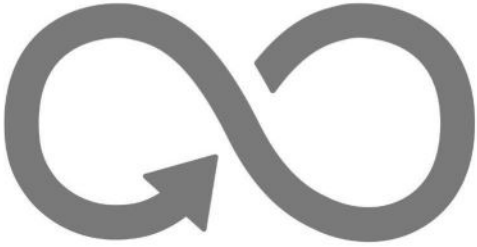


The United Nations
Sustainable Development Goals

11 SUSTAINABLE CITIES AND COMMUNITIES

The United Nations
Sustainable Development Goals

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

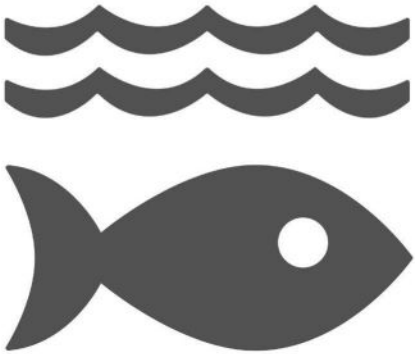


The United Nations
Sustainable Development Goals

13 CLIMATE ACTION

The United Nations
Sustainable Development Goals

14 LIFE BELOW WATER



The United Nations
Sustainable Development Goals

15 LIFE ON LAND

The United Nations
Sustainable Development Goals

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

The United Nations
Sustainable Development Goals

17 PARTNERSHIPS FOR THE GOALS

The United Nations
Sustainable Development Goals

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