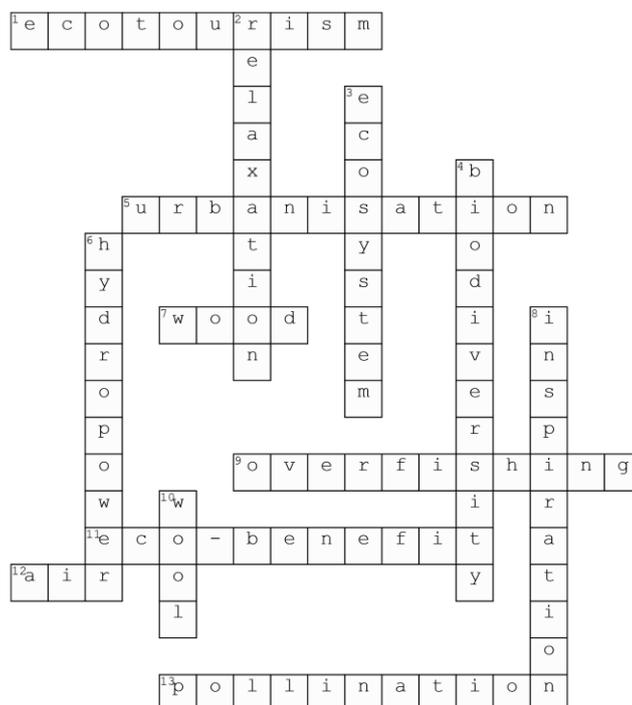




Crossword about ecosystem services

A tool to introduce local and global ecosystems and biodiversity



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Erasmus+

Why crossword?

Crossword about ecosystem services will give an overview of some definitions that belong to the group of ecosystem benefits. It can be also printed in local newspaper. Crossword will be usable at schools in the classroom activities or during study trips.

Target groups

Target group of the method are:

- **Young adults.** It is also suitable for young adults who have some nature's knowledge. Also, this crossword gives some ideas of what ecosystem services include.
- **Elders/seniors** – elderly people are quite often interested to solve crosswords to keep their memory fresh.

The secondary target group:

- **Environmental educational centres** – the target group who are also disseminating the games and tools and other environmental educational materials. These centres are also using these tools to organise their programmes and on the events.

Learning goal of the tool

Crossword about ecosystem services – crossword about ecosystem services will give an overview of some definitions that belong to the group of ecosystem benefits. It can be also printed in local newspaper. Crossword will be usable at schools in the classroom activities or during study trips.

Learning goal was to introduce what are ecosystem services / to make people understand richness of "services" nature offers us.

- What are main four ecosystem services:
 - **Provisioning services** are the products obtained from ecosystems such as food, fresh water, wood, fiber, genetic resources and medicines.
 - **Regulating services** are defined as the benefits obtained from the regulation of ecosystem processes such as climate regulation, natural

hazard regulation, water purification and waste management, pollination or pest control.

- **Habitat services** highlight the importance of ecosystems to provide habitat for migratory species and to maintain the viability of gene-pools.
- **Cultural services** include non-material benefits that people obtain from ecosystems such as health, spiritual enrichment, intellectual development, recreation and aesthetic values.

Learning content

The learning content of the tool is:

- To introduce local and global ecosystems and biodiversity / how they are interconnected.
- To introduce different ecosystems and species.
- To use different knowledge and skills to protect biodiversity and to use it environmentally friendly.
- To develop a positive vision of environmental protection and environmentally friendly consumption.

Technical description for creating the game

The ecosystem services crossword is a simple game with a short description about the ecosystem services and quiz technical issues.

The ecosystem services crossword starts with the short description about the ecosystem services. To make crossword is easy. There are many free programs like <https://worksheets.theteacherscorner.net/make-your-own/crossword/>

For creating crossword there is need to make a list of words like this:

Eco-benefit / The benefits that ecosystem is providing for people and businesses

Ecosystem / The relationship between different organisms and their habitat through dietary relationships

Hydropower / Power that is also known as water power

Overfishing / Fish belongs to the group of provisioning benefits. What activities are decreasing the fish stocks in the world?

Inspiration / Getting ideas from nature belongs to the ecosystem group of cultural goods. How to name getting ideas from the nature?

Biodiversity / The variety of life on Earth in all its forms.

Urbanisation / The trend that influences biodiversity loss and when people move to towns and cities from the countryside.

Wood / The provisioning benefits/services that forest provides for people to get some warm and to make a fire on fireplace.

Air / The provisioning benefits/services from nature that all living beings need.

Pollination / Regulatory benefits from nature thanks to bees' activities on flowers.

Relaxation / Cultural benefit when people are going to the nature to get some psychological and emotional state with low tension.

Ecotourism / Cultural benefit that is form of tourism involving responsible travel to natural areas, conserving the environment, and improving the well-being of the local people.

Wool / Provisioning benefits/services, material we get from sheep's hair to make warm sweaters.

Example of the crossword.

ECOBENEFITS

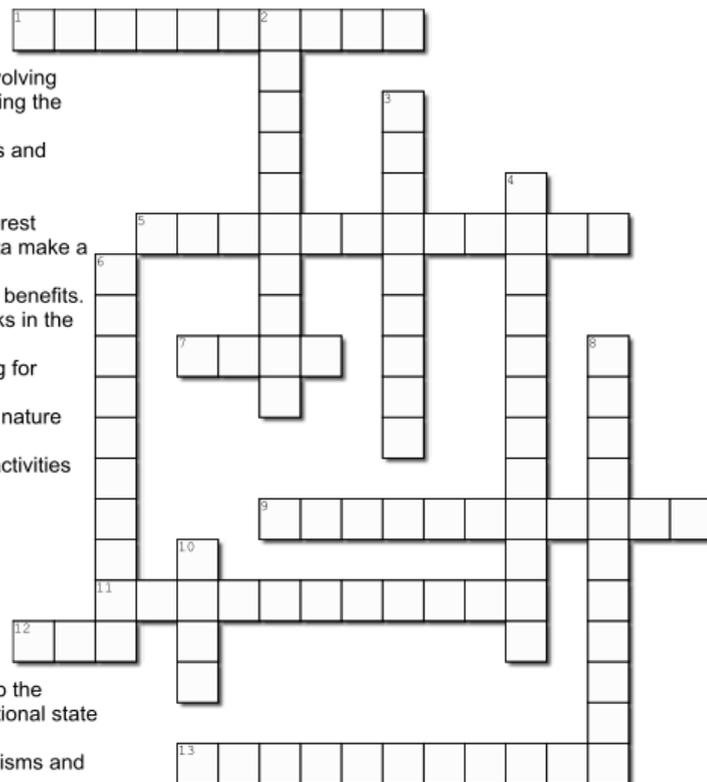
An ecosystem is a community of living organisms in conjunction with the nonliving components of their environment, interacting as a system. Ecosystem services or eco-benefits are services and goods, in short the benefits that each ecosystem offers to man, society and the economy. Ending the goods or services offered by an ecosystem will decrease the quality of human life. Eco-benefits are divided into four groups: Provisioning benefits/services- goods that people can consume directly. For example, food, animal feed, medicinal plants etc. Regulatory benefits - services that affect people in the appropriate towards climate, water; air and soil quality, water resources, floods, but also pollination. Support services - services from ecosystems such as metabolism, soil formation, photosynthesis, habitats. Cultural benefits/services - this is an opportunity to rest, relax etc .

ACROSS

1. Cultural benefit that is form of tourism involving responsible travel to natural areas, conserving the environment, and impro
5. The trend that influences biodiversity loss and when people move to towns and cities from countryside.
7. The provisioning benefits/services that forest provides for people to get some warm and ta make a fire on fireplace.
9. Fish belongs to the group of provisioning benefits. What activities are decreasing the fish stocks in the world?
11. The benefits that ecosystem is providing for people and businesses
12. The provisioning benefits/services from nature that all living beings need.
13. Regulatory benefits by nature with the activities that bees do on flowers to catch crops.

DOWN

2. Cultural benefit when people are going to the nature to get some psychological and emotional state with low tension.
3. The relationship between different organisms and their habitat through dietary relationships
4. The variety of life on Earth in all its forms.
6. Power that is also known as water power
8. Getting ideas from nature belongs to the ecosystem group of cultural goods. How to name getting ideas from the nature?
10. Provisioning benefits/services, material we get from sheep's hair to make warm sweaters.



Insp4bio

Inspiring for Biodiversity: Empowerment of European Citizens for Action through Education on Biodiversity

ECOBENEFITS SOLUTION

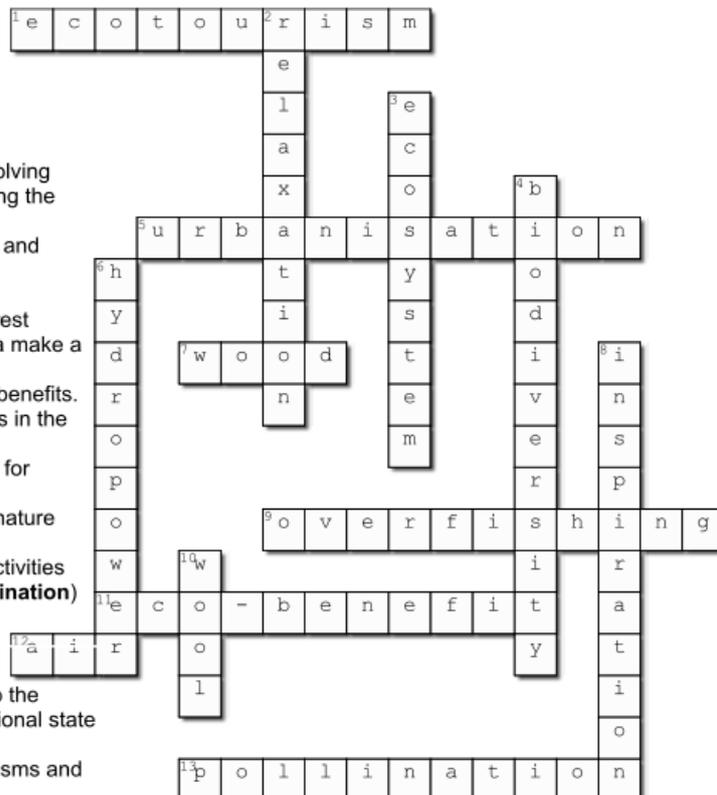
1 e c o t o u r i s m

Across

1. Cultural benefit that is form of tourism involving responsible travel to natural areas, conserving the environment, and impro (**ecotourism**)
5. The trend that influences biodiversity loss and when people move to towns and cities from countryside. (**urbanisation**)
7. The provisioning benefits/services that forest provides for people to get some warm and ta make a fire on fireplace. (**wood**)
9. Fish belongs to the group of provisioning benefits. What activities are decreasing the fish stocks in the world? (**overfishing**)
11. The benefits that ecosystem is providing for people and businesses (**eco-benefit**)
12. The provisioning benefits/services from nature that all living beings need. (**air**)
13. Regulatory benefits by nature with the activities that bees do on flowers to catch crops. (**pollination**)

Down

2. Cultural benefit when people are going to the nature to get some psychological and emotional state with low tension. (**relaxation**)
3. The relationship between different organisms and their habitat through dietary relationships (**ecosystem**)
4. The variety of life on Earth in all its forms. (**biodiversity**)
6. Power that is also known as water power (**hydropower**)
8. Getting ideas from nature belongs to the ecosystem group of cultural goods. How to name getting ideas from the nature? (**inspiration**)
10. Provisioning benefits/services, material we get from sheep's hair to make warm sweaters. (**wool**)



Impressum

Inspiring for Biodiversity (Inspiring4Biodiversity) is a project funded with support from the European Commission. The European Commission support for the production of this publication does not constitute an endorsement of the contents, which reflects the views only of the authors, and the Commission cannot be held responsible for any use, which may be made of the information contained therein.



Project code: 2019-1-DE02-KA204-006510

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