

UNIVERSEUM 2024

The National Science Centre of Sweden



A pair of hands is shown holding a small, realistic globe of the Earth. The hands are positioned at the bottom, with fingers gently cupping the globe. The background is dark and out of focus, featuring soft bokeh lights and a warm, golden glow emanating from the right side, suggesting a light source like the sun or moon. The overall mood is one of care and responsibility for the planet.

Sustainable development

“Sustainable development is development that meets the needs of the present, without compromising the ability of future generations to meet their own needs.

The Brundtland Commission 1987

“Meet the needs of the present.”

What are the needs of the present?

What are the needs of future generations?



A close-up photograph of a bird's nest constructed from a dense, intricate web of dry, brown pine needles and twigs. The nest is cup-shaped and sits against a blurred green background. In the center of the nest, two light-brown eggs with dark brown speckles are positioned side-by-side. The text "The needs of other species" is overlaid in white, bold, sans-serif font across the middle of the image, partially obscuring the eggs and the nest's interior.

The needs of other species

What do they need?

1. Choose one of the small plastic animals.
2. Take one plate of paper and build a environment for the animal. Where do the animal live? What does it need? Is there anything from nature that we can use in our build?
3. What happens when something important disappears from the environment?



THE GLOBAL GOALS

For Sustainable Development





- **Eradicate extreme poverty.**
- **Reduce inequalities and injustices in the world.**
- **Promote peace and justice.**
- **Address the climate crisis.**

A large indoor conservatory with a massive tree structure and walkways. The conservatory is filled with lush green plants and trees. A large, multi-level tree structure with wooden walkways and railings is the central feature. Several people are walking on the different levels of the tree. The conservatory has a glass roof and walls, allowing natural light to enter. The text "Ecosystem and biodiversity" is overlaid in the center of the image.

Ecosystem and biodiversity



Drivers of biodiversity loss

- Habitat loss/degradation.
- Overexploitation.
- Climate change.
- Pollution.
- Invasive species.
- Diseases.



Finding ecosystem services

1. An animal we get food from.
2. A plant we get food from.
3. Something that helps decompose organic material.
4. Something that gives us oxygen.
5. Something that can provide us with heat.
6. Something that provides us with medicine.
7. Something that absorbs carbon dioxide.
8. Something that protects us from floods and natural disasters.

