

2020

Sustainability education

DBU-Funding information – Funding subject 1



Funding subject 1: Tools and competencies for sustainability analysis, increasing sustainability awareness and promoting action

The sustainability assessment of processes, products and services is a major challenge. This consists of developing and applying decision support for the evaluation of sustainability on the basis of indicators. The imparting of corresponding competencies and consciousness of systemic interrelationships, as well as the promotion of awareness and action within the framework of education

for sustainable development, are the prerequisites for the design of a sustainable society. Questions concerning guiding values and basic ethical attitudes should also be taken into account. This requires the development of new methods and instruments of communication, learning, dialogue and participation, particularly targeting children and young people.

In particular, the following measures are eligible:

- Measures to identify and develop practical, real-world sustainability indicators
- Development, optimisation and research of practical, real-world sustainability analysis methods and concepts
- Measures to develop and reinforce sustainability competencies, in particular for multipliers
- New methods and approaches to communicating systematic sustainability connections and targets, in particular in schools, universities and extracurricular educational institutions
- New methodical approaches to developing and increasing awareness of sustainability, in particular amongst children and young people
- Development and optimisation of transformative methods for increasing participation in activities that promote sustainability (e.g. citizen science, real-world laboratories)
- Development and testing of digital methods and technologies in sustainability education.



DBU-funding – competent and service-oriented

The Deutsche Bundesstiftung Umwelt (DBU) can look back on more than 25 years of funding. The foundation has a broad wealth of experience and professional expertise in various fields. In its work, the DBU can rely on a broad network of experts working as honorary consultants.

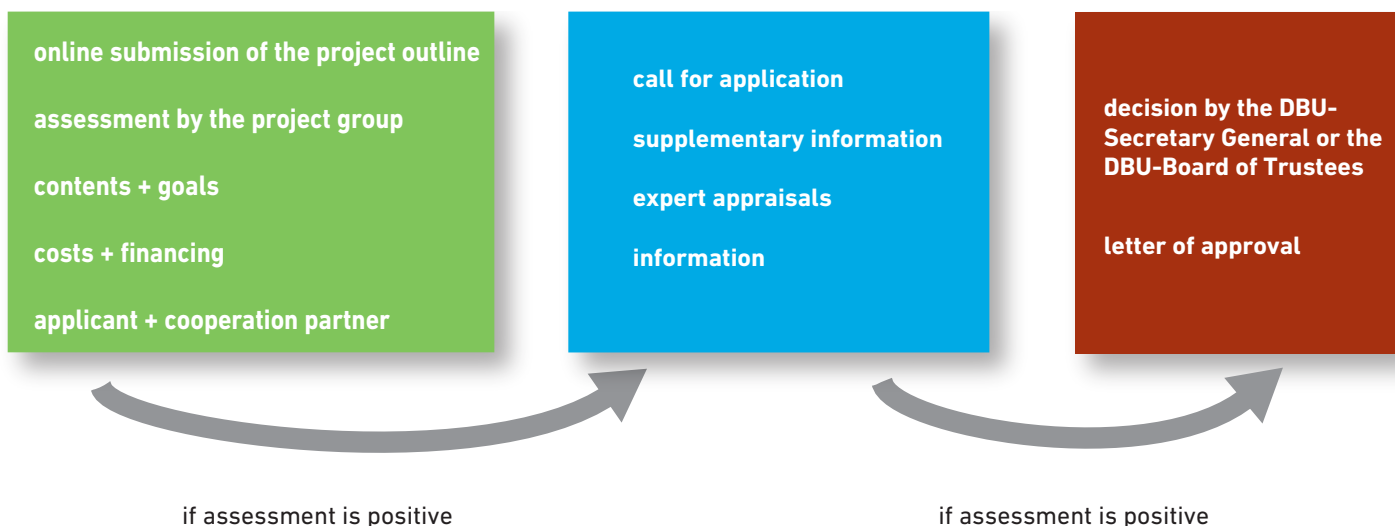
The DBU is independent and neutral from any political party. When submitting an application, only the technical quality and the innovative content of the application are important. The DBU offers its applicants competent, result-oriented advice and individual support by a highly qualified, interdisciplinary team. The internal

assessment of the projects and the external evaluation lead to a further development and qualification of the project proposal.

The DBU accompanies project partners from the project outline to implementation and provides support in finance and expertise.

DBU-partners of particularly successful projects are also supported in the dissemination of their project results by appropriate communication measures (trade fairs, exhibitions, events, publications, press work).

From outline to funding



First steps in a project outline

We are pleased to receive innovative, exemplary project ideas that contribute to sustainability education and assessment.

When preparing your project outline, first consider the following questions:

First of all, it needs to be clear:

- Does the project idea fit the funding subject?
- Does the project idea consider at least one or more solution approaches?

If this is the case, the following criteria must be taken into account when preparing a successful project outline:

- The problem addressed is of supra-regional significance.
- The project makes a concrete contribution to the solution for the problem described.

- The solution approach is developed in a practical manner, tried and tested for strengths and weaknesses.
- The solution approach is exemplary and the proposed measures and methods are particularly promising for this exemplary aspect.
- The unique selling point of the project in terms of technical significance and/or innovation is explained.
- The significance for small and medium-sized enterprises (SMEs) is made clear.
- The benefits of the project for SMEs are explained.

If these criteria apply, interdisciplinary and systemic project approaches are of particular importance for the DBU.

You can submit your detailed project outline online at www.dbu.de/antragstellung

Exemplary DBU-funded projects

The following projects show an excerpt from the thematic range of funding subject 1 and specify the implementation in the fields of action mentioned on page 1. Further information on the projects can be found at www.dbu.de

CO₂-balancing for painting plants (AZ 29591)

The »Product Carbon Footprint« (PCF) encodes energy-, emissions- and material flows of a process. The creation of PCF data requires complex studies that are often scarcely affordable for small and medium-sized enterprises (SMEs). With the software product CaMoS (Carbon Monitoring System), the company DETE Dr. Tettenborn GmbH has implemented a significantly simplified and cost-effective way of recording product-related CO₂-emissions and deriving process optimizations that can be directly implemented. For this purpose, basic forms of energy consumption or -loss are recorded and calculated. Complex requirements for the required data are eliminated. This means that almost any technical production process can be mapped and simulated, and the system is open to a wide range of users. CaMoS offers support in process modelling with regard to meaningful energy modernization measures.

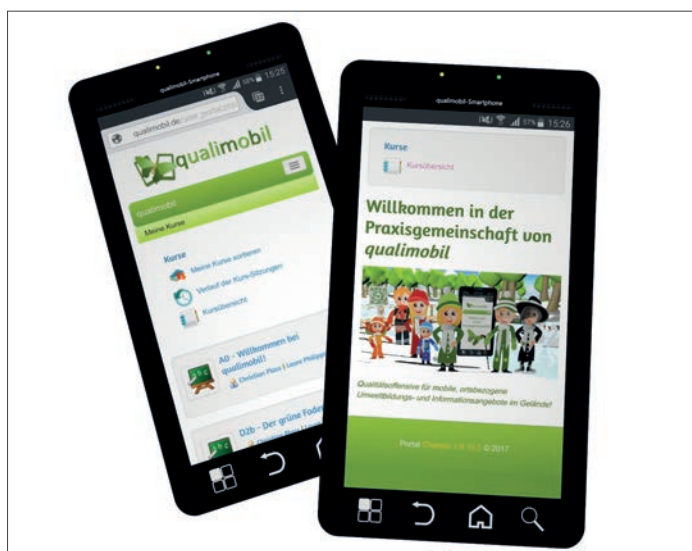


Learning sustainability online (AZ 32920)

Universities play an important role as educational and research institutions in shaping a sustainable society. Particularly in the field of instruction, new forms of teaching and learning are needed that make it possible to integrate sustainability-related topics into all subject areas. The Virtual Academy of Sustainability at the University of Bremen is a free, nationwide course offer. It provides learning modules in the form of online lectures with videos, slides, and practice tests that can be worked through by students of all disciplines as well as professionals. No previous knowledge of the individual topics is required. Interested parties can register on the platform and take part in 17 different modules, which can be freely chosen according to one's personal interests. Topics include, for example, »Sustainable Management«, »The Global Financial System and Sustainability« or »Climate Protection and Climate Adaptation«. The respective events can be carried out at a self-determined learning pace and concluded with an examination (including a certificate and, if applicable, credit points). www.va-bne.de

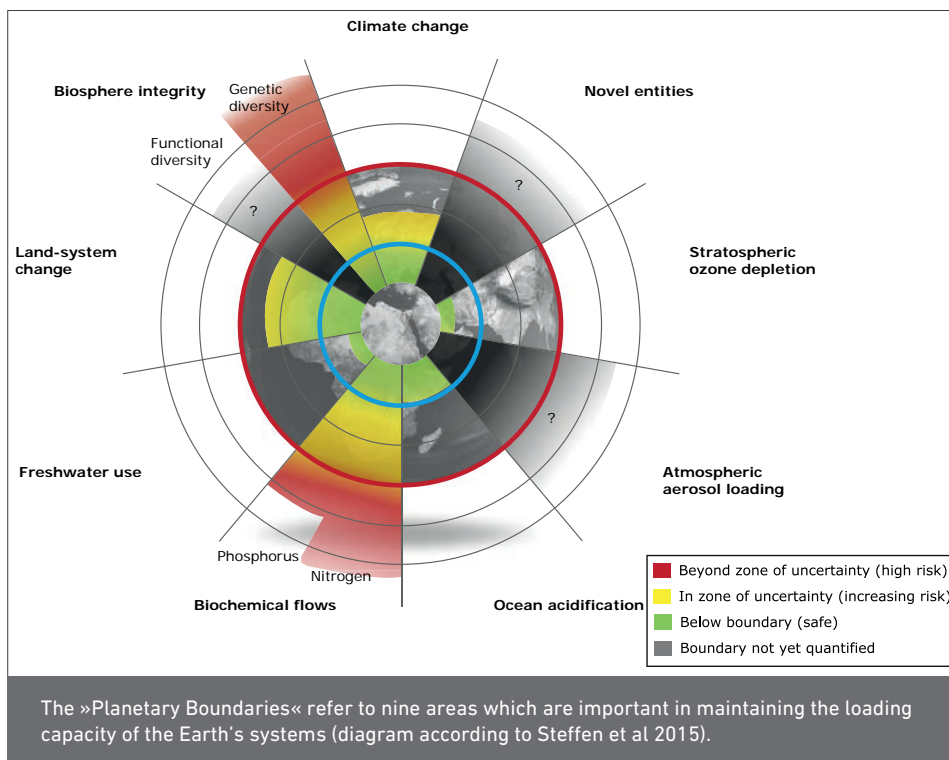
Mobile location-based environmental education offers (AZ 31096)

Smartphones and tablets offer many opportunities for mobile location-based learning, and are important media for successful offers of environmental education and sustainable development education. However, research shows that there is often still a lack of a clear didactic objective and/or a critical weighing of the advantages and disadvantages, and thus of an associated conscious decision for concrete implementation. This is where the research project »qualimobil« of the Universities of Education of Ludwigsburg and Heidelberg comes in: qualimobil invites one to develop mobile, digital learning and information offers purposefully and innovatively within the framework of in-service qualification and further training. The offer ranges from simple access to digitally available learning materials (online courses, video recordings, slides, practical instructions on digital tools, etc.) to participation in workshops and a blended learning/advanced training program with three two-day attendance phases. www.qualimobil.de



DBU – We promote innovations

The Deutsche Bundesstiftung Umwelt (DBU) supports innovative, exemplary and solution-oriented projects for the protection of the environment in accordance with the foundation's mission statement, with special consideration for the mid-sized business sphere. Funded projects should achieve sustainable effects in practice, provide impulses, and have a multiplier effect. It is important to the DBU to contribute, in particular, to solving current environmental problems which result from unsustainable economic practices and ways of life in our society. The DBU sees key challenges above all in climate change, biodiversity loss, the unsustainable use of resources, and harmful emissions. The funding subjects thus tie in with both current scientific findings on »planetary boundaries« and with the Sustainable Development Goals adopted by the UN. Especially with regard to biological diversity (biosphere integrity) and the disruption of the nutrient cycles of nitrogen and phosphorus (biochemical flows), the planetary boundaries have been far exceeded. Humanity has therefore moved a long way from any safe operating space, and is now exposed to a high risk of negative ecological, economic and social consequences. Mankind has also already moved into the danger zone in terms of land-system change and climate change.



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Your contact persons for the funding topic

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