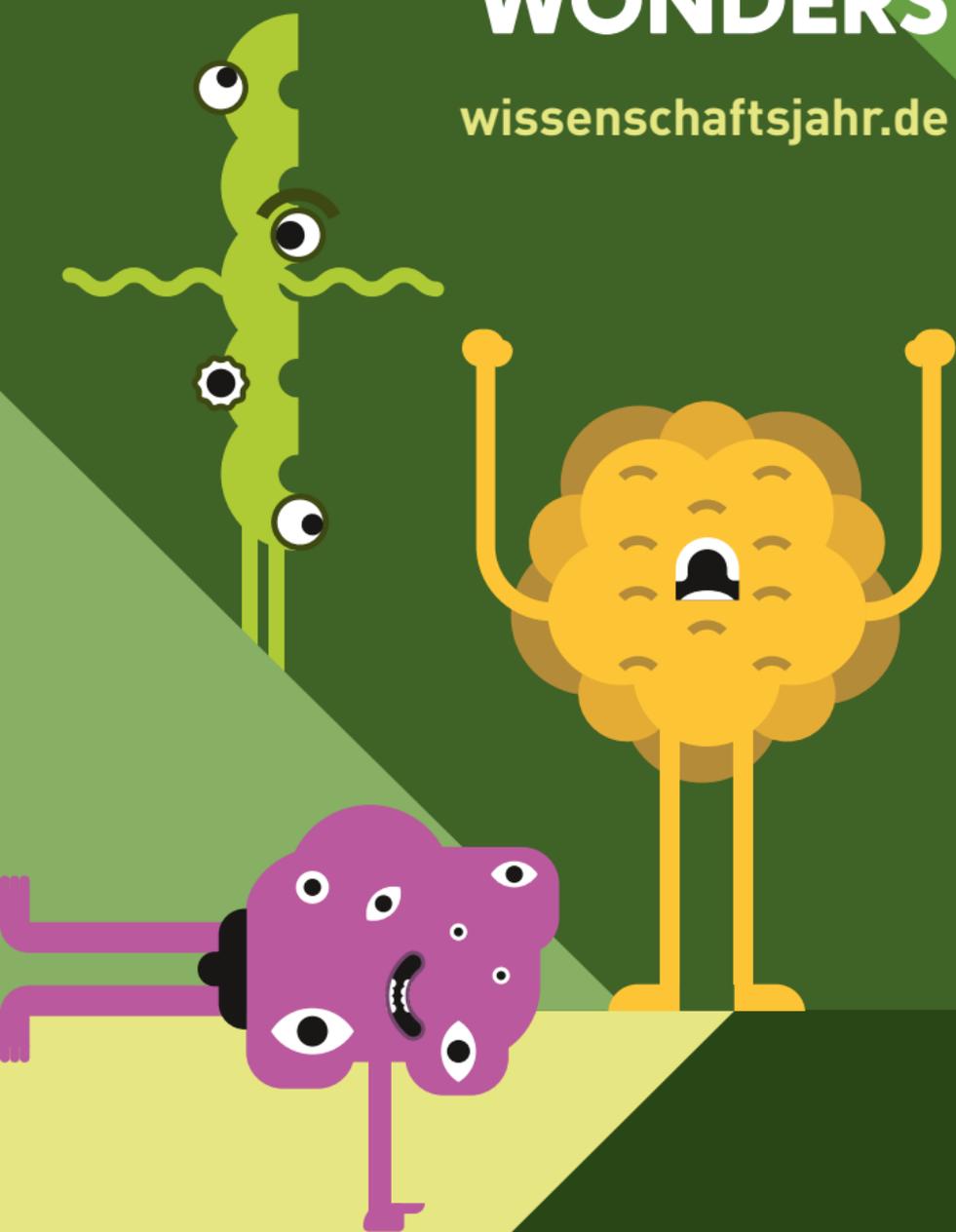


HIDDEN HEROES THAT
**WORK
WONDERS**

wissenschaftsjahr.de



An Initiative of the Federal Ministry
of Education and Research

Science Year 2020|21

BIOECONOMY

EXPEDITION ERDREICH



MIT TEEBEUTELN
DEN BODEN
ERFORSCHEN

Expedition into the earth

Exploring the earth with teabags

Soil fulfills many important functions for humans and the environment, It provides us with food and renewable resources. It also stores large amounts of carbon and therefore plays an important role in climate protection. In order to understand soil functions even better and to be able to use soils for the bioeconomy in the long term, it is important to collect more information about the condition of different types of soil in Germany.

We need you!

By participating in the citizen science campaign for Science Year 2020|21 – Bioeconomy, everyone is invited to make an important contribution to science, simply by burying a teabag in the ground for three months and then digging it up again afterwards to analyze important soil properties such as pH value or decompositions rate. The difference in weight before and after indicates how much organic matter has been broken down. Join in and get to know the fascinating world under your feet.

Dig in!

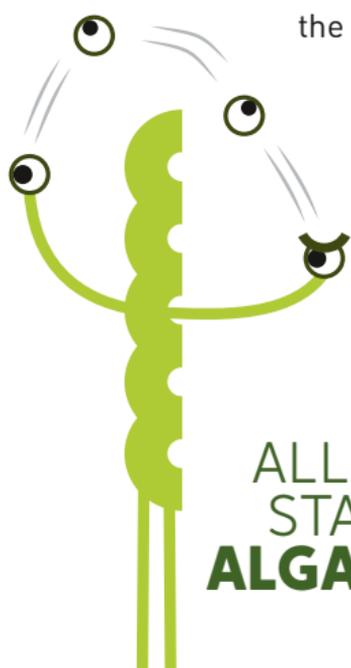
Expedition Erdreich will take place in 2021. If you are interested in the campaign, register online now and you will be notified when the expedition kits are open for order (free of charge) early next year.

Find out more about the campaign:
expedition-erdreich.de

What is bioeconomy?

Global challenges such as rapid population growth, dwindling biodiversity and climate change require radical changes. We need to move away from a fossil fuel-based economy and towards a bioeconomy: the sustainable and efficient production, processing and utilization of biological resources such as plants, animals and microorganisms. “Hidden heroes” have an important role to play in making this change: algae are used to produce pharmaceutical products, yeasts are used in the chemical industry and bacteria are used to generate energy.

Science Year 2020|21 aims to give everyone in Germany the opportunity to learn about the concept of bioeconomy with vivid, hands-on examples, events and interactive exhibitions. It's time.



It's time to celebrate!

Science Year 2020|21 – Bioeconomy marks the 20th anniversary of our science year programme. It all started with the Year of Physics in 2000. At that time, the Federal Ministry of Education and Research had made it their goal to initiate debate within society about education and research-related topics and to engage with as many people in Germany as possible. Since then, a huge number of partners from science, industry, politics and society have given their support to the Science Years and encouraged dialogue between the scientific community and the general public.

The MS Wissenschaft

The MS Wissenschaft – a floating Science Centre – will embark on another voyage in Science Year 2020|21. Everyone is invited to come aboard and find out more about the various aspects of bioeconomy in an interactive exhibition.

ms-wissenschaft.de

EXPERIENCE
BIO-
ECONOMY

Invite a scientist

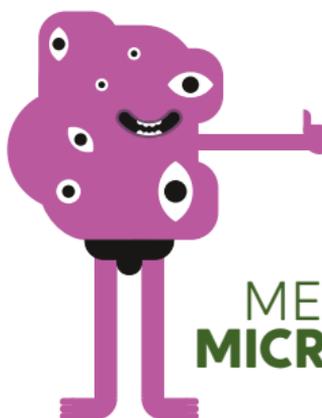
How can we use bioeconomy to help make our future more sustainable? The research exchange platform is a free service that gives school classes the chance to invite scientists to come to their school and discuss questions about bioeconomy with them. This opportunity is particularly interesting for science subjects such as biology, geography or physics, as well as for politics, ethics or philosophy.

forschungsboerse.de

School Cinema Weeks

Bioeconomy – the big blockbuster for Science Year 2020|21! A special programme presented by Vision Kino offers pupils of all ages and from all types of school the chance to watch a wide range of films touching on the many different aspects of bioeconomy. This year, the film selection includes *Toy Story 4* and *2040*.

schulkinowochen.de



MEGA
MICROBE!

Escape Room

Can we find our way out of an unsustainable economic system by solving puzzles? “Of course!” says Wissenschaft im Dialog and the Haus der Wissenschaft Braunschweig. These two organizations have developed a special escape room containing plenty of everyday examples of bioeconomy. If you can find them and solve the puzzles, you might just stand a chance of escaping the room! The mobile escape game will be touring the whole country, stopping off at numerous music festivals and science centres.

Science Slam

The stage is set for the Bioeconomy Science Slam! Young scientists show off their verbal skills, hoping to win the audience’s favour as they pitch their projects in four regional competitions around the country. The grand finale will take place at the Tempodrom in Berlin, where an audience of up to 2,600 will decide the overall winner of the competition. The project is run by the Haus der Wissenschaft Braunschweig.

A change of perspective

What can we expect from bioeconomy? What possibilities and potential does it offer? Are there any conflicting interests? Friends of the Earth Germany (BUND) intends to facilitate public discussions on these and other important questions in association with the Institute for Ecological Economy Research (IÖW), denkhaus-bremen and the Bund Ökologische Lebensmittelwirtschaft (Association of Organic Food Producers). Three major workshops will be held in Rothenklempenow (Mecklenburg-Vorpommern), Berlin and Überlingen (Baden-Württemberg) aimed at key multipliers and the interested public.

Find out more about the projects
funded as part of the Science Year:
[wissenschaftsjahr.de/foerderprojekte](https://www.wissenschaftsjahr.de/foerderprojekte)

Help make our future
more sustainable

Become a partner!

The Science Year is vitally dependent on the knowledge and involvement of its partners from science, politics, industry and society. You, too, can become part of Science Year 2020|21 – Bioeconomy!

The Science Year Editorial Office
is happy to support you with your project.

[wissenschaftsjahr.de/2020-21/partner](https://www.wissenschaftsjahr.de/2020-21/partner)

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The Science Years are a joint initiative of the Federal Ministry of Education and Research (BMBF) and Wissenschaft im Dialog (WiD). The aim of the Science Years is to promote discussion and interaction between the public and research.

June 2020



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of Education
and Research

wissenschaft  im dialog