

Ecsite 2023

Climate and biodiversity: from Blah Blah Blah to Impact

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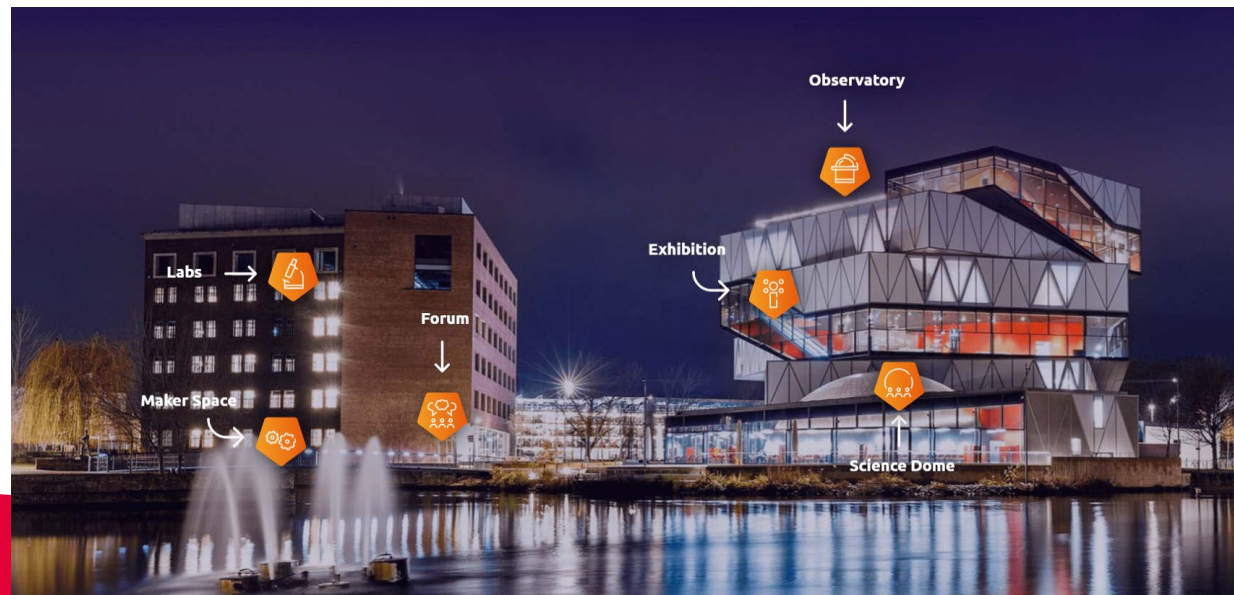
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WISSEN
SCHAFFT
ERLEBEN

experimenta

- **Germany's largest** and most innovative Science Center
- in the heart of the city of Heilbronn next on the river Neckar in **Southern Germany**
- **new building** constructed from glass and steel is joined to the **old restored storage building** of a former oil mill
- **Science Dome** is a unique combination of theatre and planetarium with a 360° surround 3D dome projection screen as well as a revolving auditorium
- **Observatory** on the rooftop
- **permanent exhibition** with 275 interactive exhibits plus special exhibitions
- **Laboratories** and programs for classes
- **Maker Space and Forum** for individual projects and community engagement



Forum

- platform for science and research
- community- and event-based
- changing focus topics
- participation



Forum

- Science Lounge
- Changemaker Evening
- Clothes Swaps
- Stop and Go Workshops (SDG Goals)



Citizen Science

- collection of > 60 Citizen Science Projects
- Examples
 - Sense Box
 - Litterati
- Workshops & Events



Wild Spaces

- Festival of Ideas for a Sustainable Future Focus topics:
Creating knowledge, preserving nature, shaping the future
- Platform for exchange and networking/discussion/action
- Get active in workshops
- Discuss at lectures
- Be inspired by exhibitors
- Have fun at the art and cultural program
- Goal: positive emotions instead of alarmism



wild spaces

2022

Schön war's!

Eine Zukunft – drei zentrale Themen:



Wissen schaffen



Natur bewahren



Zukunft gestalten

Wild Spaces



Wild Spaces – Dominik Eulberg

- special exhibition about biodiversity
- interactive and multi-medial
- accompanying program:
 - biodiversity show
 - workshops on upcycling
 - bat field trip



School Communication Strategy: one day about rethinking tomorrow and raising awareness on your potential to act

- ▶ One day about sustainability and climate crisis
- ▶ Established 2022, planned as an annual event starting Feb 2024
- ▶ Cooperation with ZSL (Zentrum für Schulqualität und Lehrerbildung) and AIM (Akademie für Innovative Bildung und Management)

- ▶ About 26 classes from grade 7-10 attendended (more than double applied)
 - ◀ 650 students, 40 teachers, 20 schools
- ▶ Arriving from up to 200 km around Heilbronn
- ▶ 26 different programs (re-/upcycling, climate crisis, alternative energy sources, ...)

Grasp your impact in our worlds of knowledge and experience



Exemplary program 9am-5pm



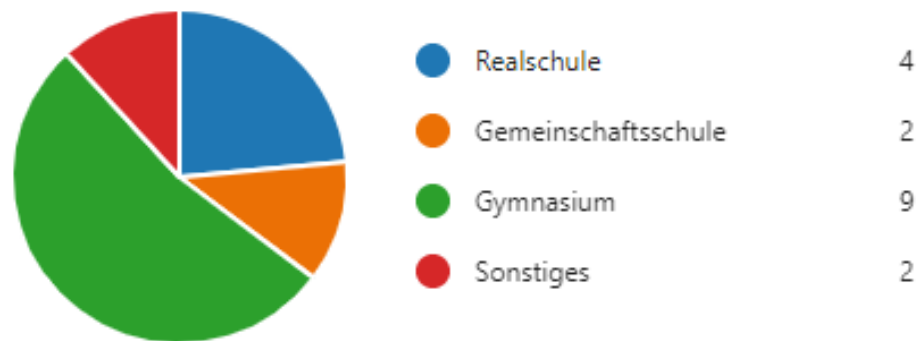
PLUS



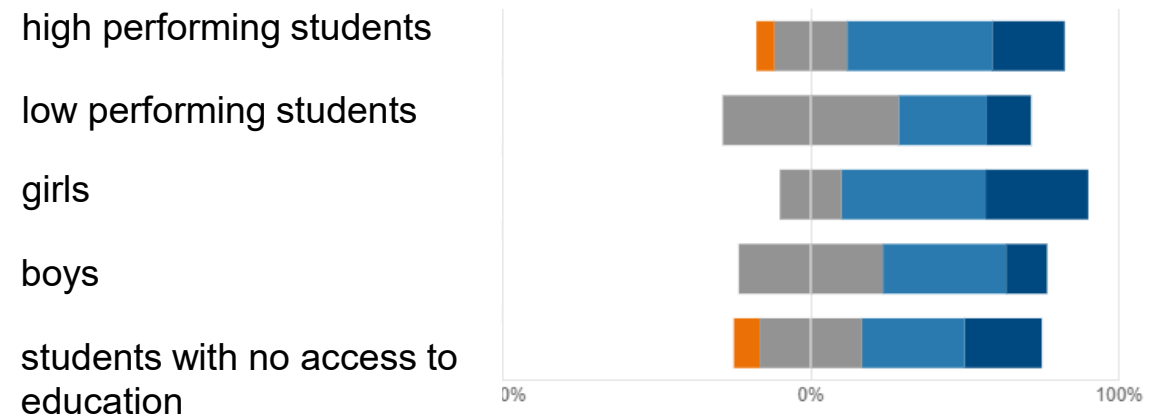
No abstract examples
Own life-relevance
Reflection

Lessons learned – teachers' opinion

- ▶ **Keep** one-day experience, variety of learning environments
- ▶ Transfer is tricky, **make** it as „real, concrete and relevant“ as possible
- ▶ We do **reach** mostly schools with kids from families with a high access to education – increase accessibility of program to others

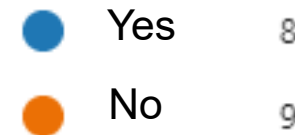


■ not at all ■ partially ■ extremely



Lessons learned – teachers' opinion

► Gain new visitors

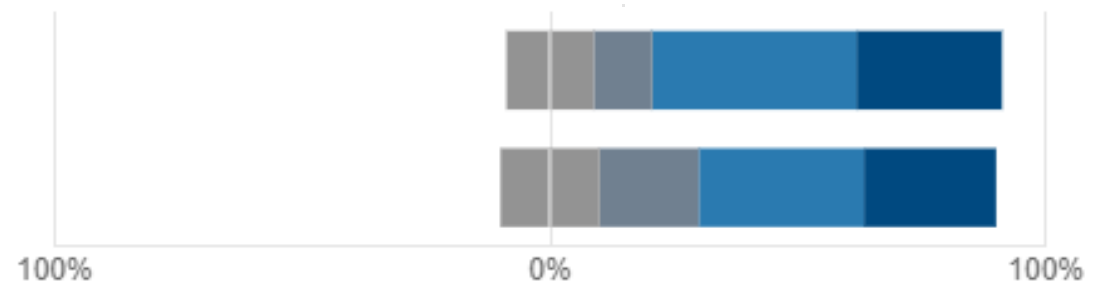


► Next time: asking students: awareness vs. action and responsibility

■ Not at all ■ partially ■ extremely

For teachers

For students



Conclusion and take home messages

- Positive emotions instead of alarmism → take action
- Main objective: experience the beauty of biodiversity as motivation to protect it/fight for it
- Reach individuals as well as groups of different ages, for example, school classes

- Focus-days on specific topics are on high demand (gain new visitors): make informal learning settings visible, for kids with and without easy access to education
- Create real-life and relevant-life experiences to speak to all
- Dive more into research to really understand experiences and needs

Thank you!

