

# Embedding ESD in Teaching

Schools@University  
The UniGarden as a place of  
art and garden based learning

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Freie Universität Berlin





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[www.fu-berlin.de/ffu](http://www.fu-berlin.de/ffu)

**ffu**

# Outline

- Environmental Policy Research Institute (ffu)
- What is Schools@University ?
- Film portrait (7 minute)
- Field trip to the botanical garden:  
The dye garden,  
Anne Charlotte, artist, Sevegardens Berlin

# Environmental Policy Research Centre (ffu) - 1986

- comparative and international environmental and sustainable energy politics and policy
- academic and policy-oriented research
- educational programs on energy and the environment for all students

# Expanding the Dialogue



# Learning & Teaching for a Sustainable Future





# Freie Universität Berlin: An authentic and fascinating learning place



# Objectives of our programs and trainings

- Raise children's and teacher's awareness of sustainability in their daily life
- Empower them to make sustainable changes in their behaviour
- Help children to gain in-depth knowledge on sustainability issues and learn critical thinking skills
- Encourage teachers to implement the topics and cross disciplined methods into their curriculum and lesson plans



# What is Schools@University?

- Non formal (out of school) learning place
- Focus on sustainability + climate protection
- Target groups:  
5th and 6th graders and their teachers
- **Two one-week programmes a year**
- 160 interactive workshops a year
- ESD as didactic approach
- **Two teacher trainings a year**
- Trainers from academia and community
- Reaches: 2,600 students and 400 teachers a year

# Learning content/ Topics

- Climate change, transition of energy, energy efficiency & savings
- Food production & agriculture
- Consumption, lifestyle & product design
- Mobility, urban planning & architecture
- Maintenance of biodiversity

# Schools@University is based on two pillars



- trainings for teachers/  
practical learning  
events



- One week programs  
for 5th and 6th grade  
classes

# Why we are offering teacher trainings?

## Making ESD sustainable in schools





# Service and support for teachers





# Teacher train the teacher



# Who teaches and trains our workshops?

- Researchers and students
- Environmental educators
- Energy experts
- Architects, engineers
- Artists from theatre, visual arts, photography
- Writers and authors
- Fellow students



# Schools @ University community

»Kulturagenten für kreative Schulen Berlin« ist ein Programm der Deutschen Kinder- und Jugendstiftung, gefördert durch die Senatsverwaltung für Bildung, Jugend und Wissenschaft des Landes Berlin, die Forum K&B GmbH sowie die Kulturstiftung des Bundes und die Stiftung Mercator.

deutsche kinder- und jugendstiftung

Senatsverwaltung für Bildung, Jugend und Wissenschaft

berlin Berlin

KULTURSTIFTUNG DES BUNDES

STIFTUNG MERCATOR

UIU Unabhängiges Institut für Umweltfragen

German Toilet Organization



Slow Food Convivium Berlin

LISTROS A DREAM IN A BOX



SPIELRÄUME

severngardens

SMERGY

BUND JUGEND BERLIN



Berliner Zeitung BERLINS GRÖSSTE ABONNEMENT-ZEITUNG

SpreeWild.de Mach mit!



NATUR ERLEBEN BERLIN

Atze THEATER PÄDAGOGIK



JUNIOR CAMPUS → MUSEUMSPRÄGENDES PROGRAMM ZU MOBILITÄT, ANHALTIGKEIT UND NATURWISSENSCHAFT EINE KOOPERATION DES DEUTSCHEN TECHNIKMUSEUMS UND DER BMW GROUP



Berlin Senatsverwaltung für Bildung, Wissenschaft und Forschung



Stadt macht satt ernte die Stadt!

Sonnentaler Naturwissenschaften in Kita und Grundschule

Deutsches Technikmuseum

FEINHEIMISCH Genuss aus Schleswig-Holstein e.V.

VCD Verkehrsclub Deutschland

RLS REINER LEMOINE STIFTUNG

Transfer 21



# Learning with Head, Heart & Hands



## Didactic approach

- Interactive and cross-disciplined workshops
- Age appropriate teaching based on real life experience
- Participation with a wide range of interactive methods
- Workshop trainers are experts from academic and non academic backgrounds



# Experiential learning approaches

- Experiments on renewable energies
- Food & cooking events
- Field trips
- Art and theatre activities
- Creative writing, quizzes
- Cinema, games,
- Role plays, future labs
- **Garden based learning**



garden based learning



# Ecological farm of SUSTAINIT!



# Urban Farm: Domäne Dahlem





# Greenhouse /Botanical Garden



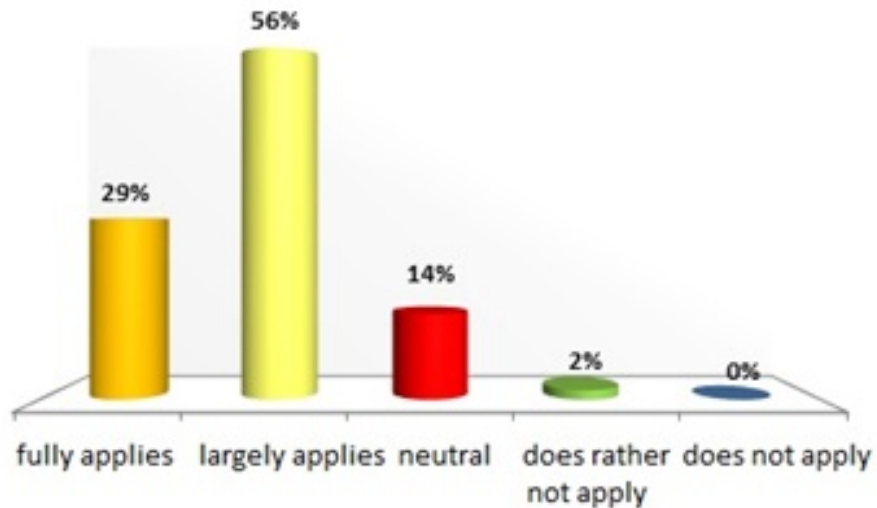


# The dye garden in the botanical garden

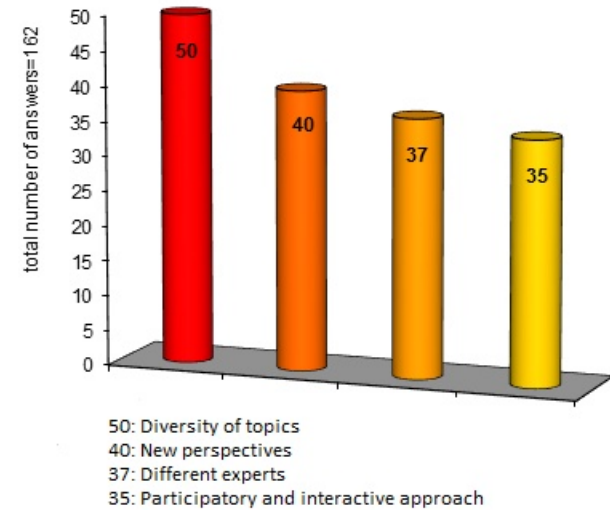


# Evaluation and improvement

**Schools at University inspired me to pursue and deepen sustainability issues in my teaching**



**What do you like about Schools at University?**  
several answers possible



# Five Awards since 2009



## Facts & figures

17	one-week programs
17	teacher trainings
1,026	workshops offers
24,600	young students
32,000	attended workshops
1,120	teachers /trainings
2,150	teachers /program

# Film portrait of Schools@University





# Thanks for your attention!

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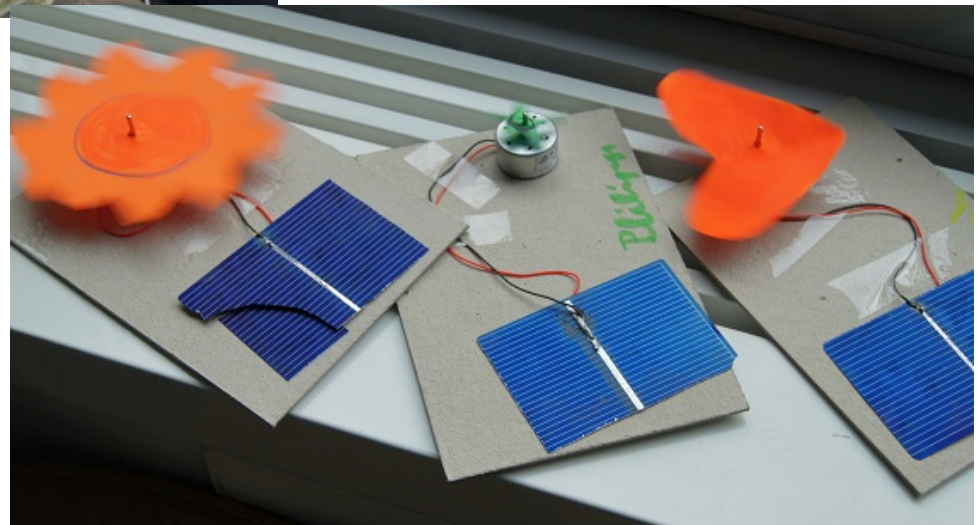
# Education for Sustainable Development (ESD)

ESD means an education that enables people to foresee, face up to, and solve the problems that threaten life on our planet.

# Building Bridges



# University as an experiential space

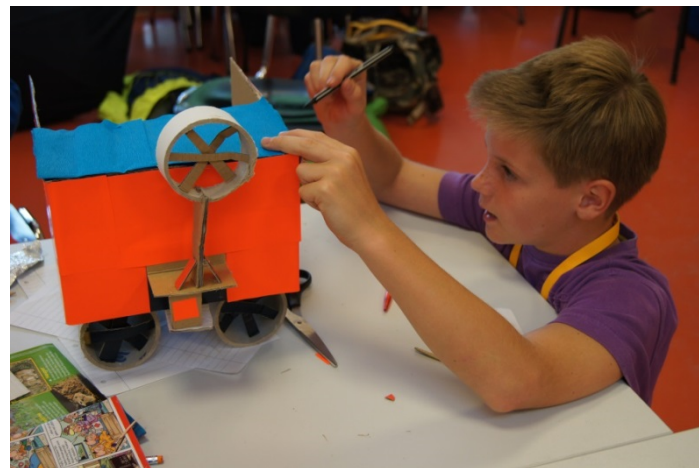




# What ist Schools@University?



# Free University: A living Lab





...it's fun



# Age-appropriate teaching based on real life experience...eating, consuming, travelling

