



# LIFE-IP Workshop

## Targeting specific audiences

## Climate protection conferences for children

ZENAPA  
Zero Emission Nature Protection Areas

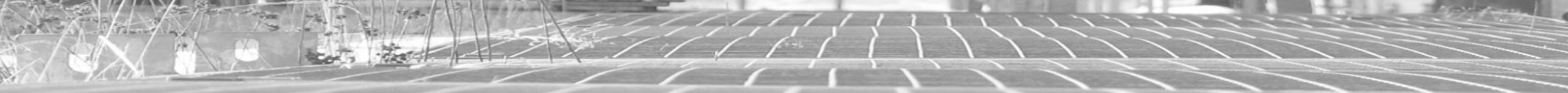
Funded by



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<https://zenapa.de/en/>

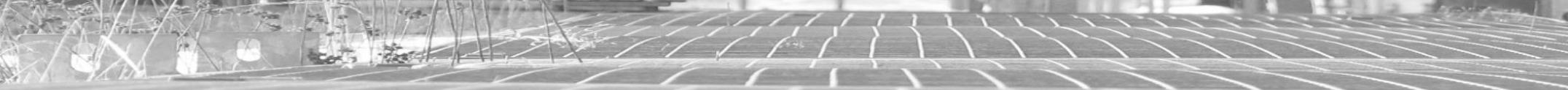
IfaS  
Institut für angewandtes  
Stoffstrommanagement

 HOCHSCHULE TRIER  
Umwelt-Campus Birkenfeld  
Umwelt macht Karriere.



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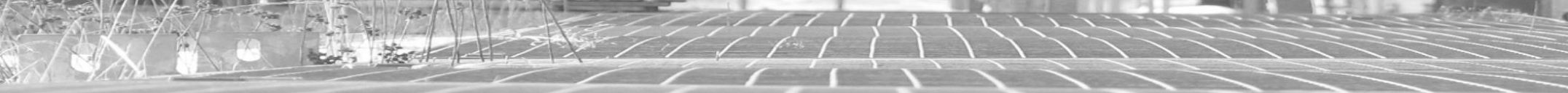


# „Zero Emission-Campus“



- 100% Heat supply from biogas, (used) wood, solar-thermal systems
- 100% electricity from biomass chp and PV
- 100% Buildings and Efficiency strategies
  - ✓ Geothermal cooling and solar adsorption
  - ✓ Heat recovery air conditioning
  - ✓ Passiv- und Zero Energy Student Dormitories, Plus-Energy Conference Centre
  - ✓ National park Administration in wood construction

- Nature Protection and Resource efficiency
  - ✓ Rain water usage (cisterns, infiltration trenches, ponds, throughs)
  - ✓ Campus as a biotope (site appropriate plants, sustainable care taking)
  - ✓ Grey and blackwater separation (Dormitories)
- Sector coupling
  - ✓ PV Carports, PV-Storage, Charing Infrastructure
  - ✓ Hydrogen production with PV Carports (in planning)



## One of the greenest Universities of the world



### Grünster Campus Deutschlands!

Der Umwelt-Campus Birkenfeld konnte sich im aktuellen GreenMetric Ranking als einziger Campus Deutschlands unter den Top Ten der Weltrangliste etablieren. In der Kategorie „Energie und Klima“ ist der Campus stolz auf den 1. Platz. Hier werden unternehmerische und technische Lösungen, die ökologisch vertretbar, ökonomisch attraktiv und sozial gerecht sind erarbeitet.

**Participants: 956 University's from 81 Countries**  
Environmental Campus Birkenfeld:

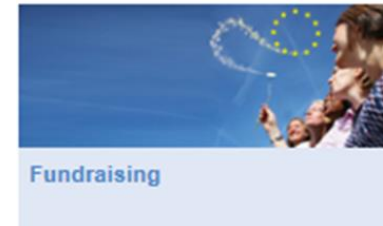
- **First place in Germany** (for the fifth year in a row)
- **Place six of the world**





## IfaS - Areas & Fields of work

- **Institute of the University of Applied Science Trier**
  - Founded in late 2001
  - 9 professors
  - 85 employees
  - Incl. Assistants and Interns 100 employees
  
- **Areas of Work**
  - International Material Flow Management
  - European Implementation Projects
  - Zero Emission Strategies
  - Landscape development and Land use
  - Energy Efficiency & Renewable Energy
  - (Waste)Water Management
  - Sustainable Mobility
  - Training and Education
  - Public Relations



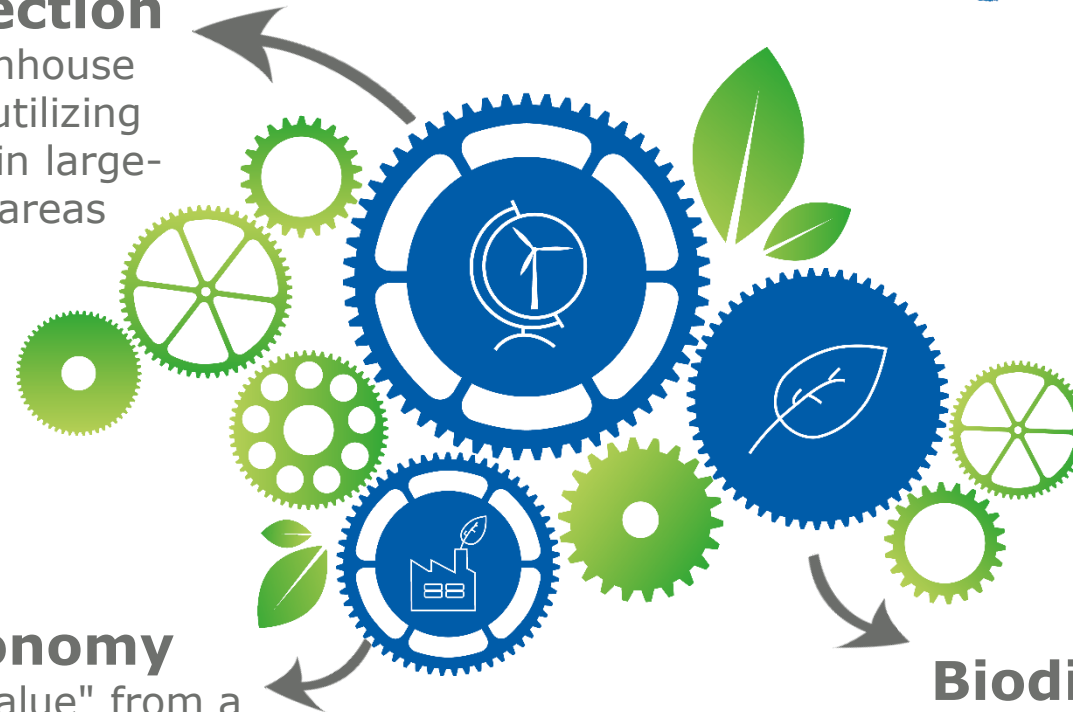


# Zero Emission Nature Protection Areas

ZENAPA 

## Climate Protection

Reduction of greenhouse gas emissions by utilizing regional potentials in large-scale protection areas



## Bioeconomy

Increased "value" from a hectare through a sustainable rural "economy"

## Biodiversity

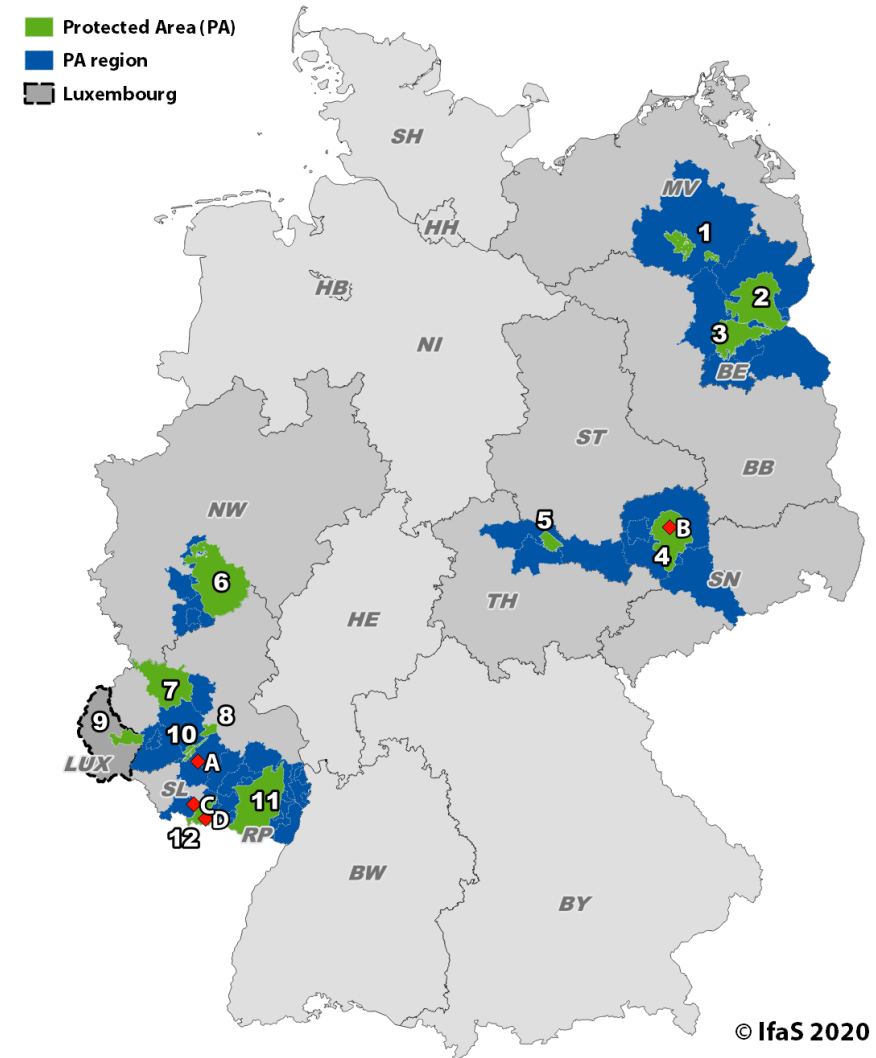
Protection and restoration of ecosystem services



## Project Area & Partners

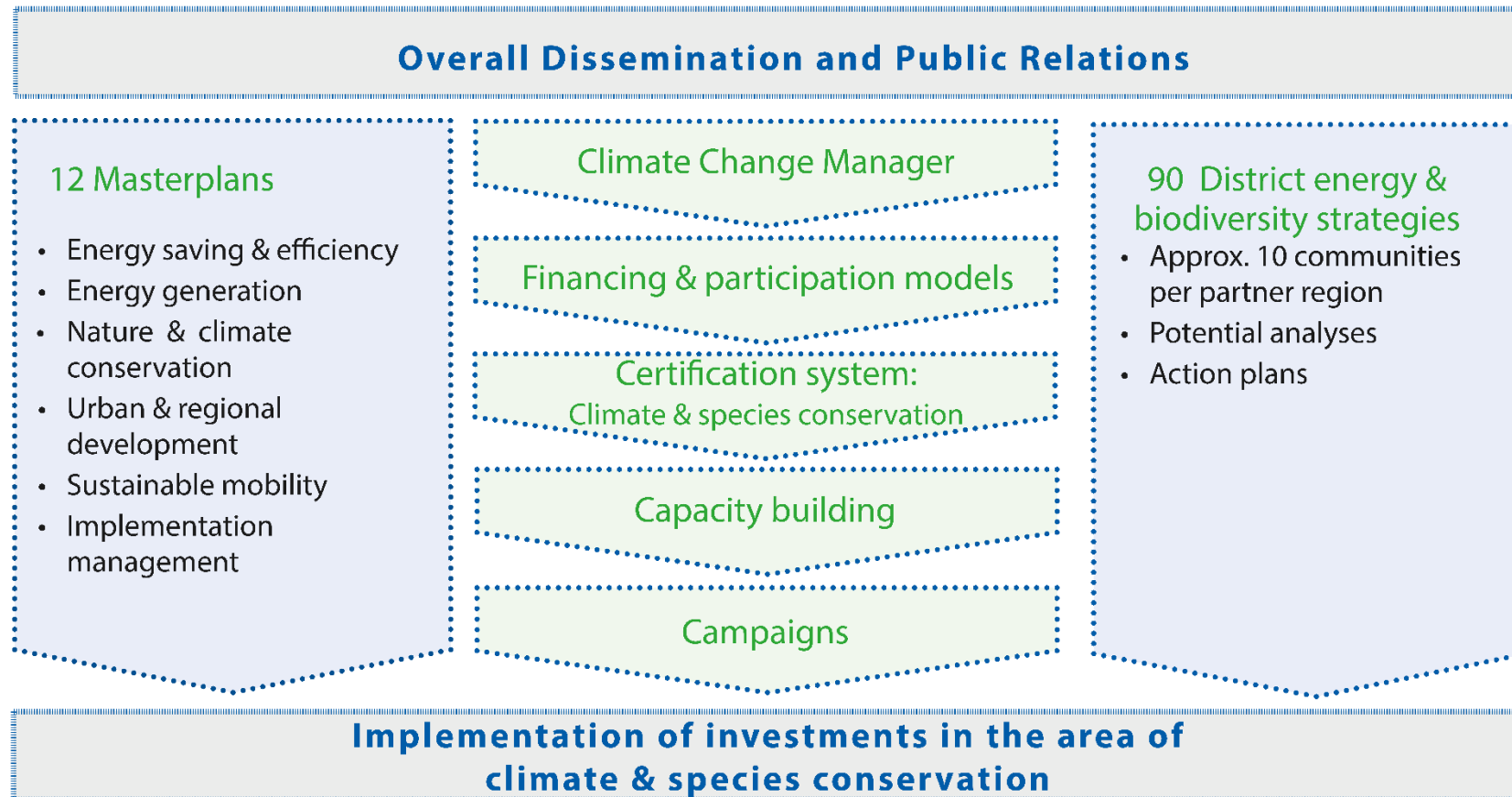
- 11 Protected areas
- 1 Model municipality VG Rhaunen
- **29 Districts**
- **10 District-free cities**
- 83 Independent towns
- 110 Cities in districts
- 48 Municipalities (RLP)
- 26 Public offices
- 399 Communities
- 35 Administrative associations
- 2 Independent communities (RLP)
- **6074 Villages**
- **10.252.723 Inhabitants**
- **10 % of the area of Germany**

- |  |  |
|--|--|
| A: IfaS/Hochschule Trier                 | 5: Naturschutzprojekt Hohe Schrecke      |
| B: Wurzener Land-Werke GmbH              | 6: Naturpark Bergisches Land             |
| C: Stadt St. Ingbert                     | 7: UNESCO Geopark Vulkaneifel            |
| D: Saarpfalz-Kreis                       | 8: Nationalpark-Verbandsgemeinde Rhaunen |
| 1: Müritz-Nationalpark                   | 9: Natur- & Geopark Mëlldall             |
| 2: Biosphärenreservat Schorfheide-Chorin | 10: Nationalpark Hunsrück-Hochwald       |
| 3: Naturpark Barnim                      | 11: Biosphärenreservat Pfälzerwald       |
| 4: Geopark Porphyryland                  | 12: Biosphärenreservat Bliesgau          |





# ZENAPA General Structure



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## Action E.5: Objectives of Climate Protection Conferences for Children

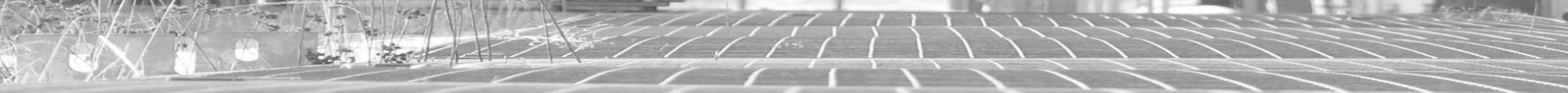
- Plan, execute and disseminate 36 “Climate Protection Conferences” for children
- Three conferences per Partner Region (12 all over Germany+Luxembourg)
- Educate of around 900 pupils in the context of climate protection, reach more than 100 teachers and principals
- On-site project in primary (3rd/4th class) and secondary schools (5<sup>th</sup>/6<sup>th</sup> class)
- Sensitization, awareness and influence at an early stage
- Knowledge transfer adapted to the children's level of knowledge



# Climate Protection Conferences for Children, the Target group

- Today's children are tomorrow's adults
  - they often have a close relationship with nature
  - they are curious and enthusiastic
  - their behaviour is not yet so deeply rooted, so that (bad) habits can be changed more easily
  - behavioural change and responsible use of energy and resources is easier to reach
- Lessons learned will influence parental home/siblings/friends (multiplying effects!)

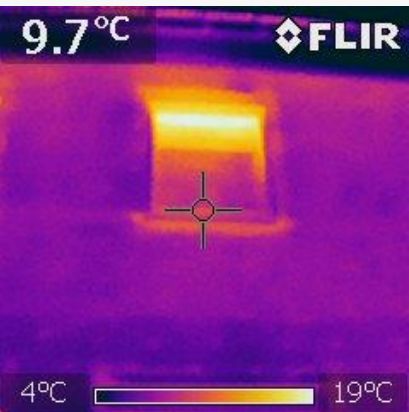




# What's the message of a climate protection conferences for children

## HELLO - I AM KUNO THE POLAR BEAR

Join Kuno for an exciting day of games and experiments and learn **how you can help prevent our planet from overheating**



- Module 1: Climate Change Introduction
  - Polar Bear Kuno: What is climate change (and difference to weather)
  - Time travel: Why is the earth warming up?
  - Experiment: How to produce CO<sub>2</sub> (vinegar, baking soda)
  - Role play on the greenhouse effect: The Earth's jacket
- Module 2: How do you live today?
  - Kuno's energy questionnaire: How much energy do I use in my everyday life?
  - Which vehicle do I use to get to school (fossil fuel, electric, car, bus)
  - CO<sub>2</sub> game: How much CO<sub>2</sub> do I produce in my everyday life?
  - What can I change about it (save energy or avoid plastic)





## Results: Creating lasting memories, changing habits

### Climate protection conferences for children in numbers:

**32 climate protection conferences** reaching more than 600 pupils.

Additional 172 climate protection conferences for children have been conducted next to ZENAPA since 2016.





# How to anchor climate protection conferences for children in the region

**Society wide public relation, very high Media interest...**

- Press articles
- Social media
- Radio
- TV

**SWR** **AKTUELL**



**RPR1.**

**KUSEL.TV**



**NDR1**  
Radio MV

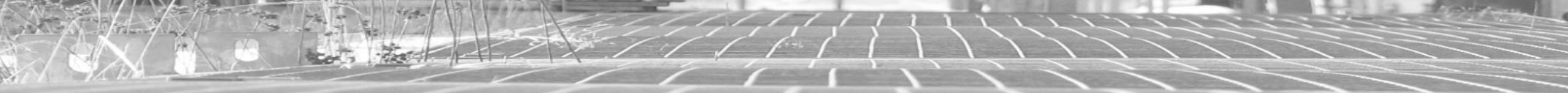
→ Parents' letter regarding DSGVO is included



**Conferences have already been funded by....**

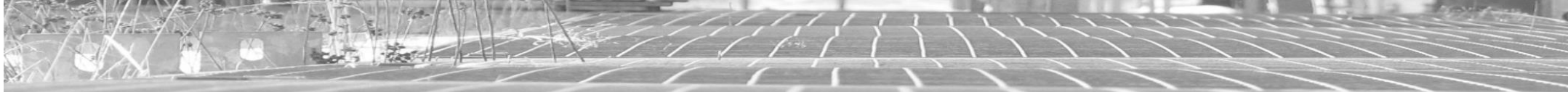


<https://www.youtube.com/watch?v=ZxFpomknZTE>



## Conclusion: Teachers tell us...

- There is not much space for situational learning in regular school life
- The project day has a **flagship position**
- Held back pupils often become active players to help with experiments or engage themselves into discussions
- The project day is demanding for all participants, but its fun
- It needs external Experts to implement a project day on climate protection
- Discussions with pupils show, there is still a high need for such project days to change minds and habits
  
- **But: we all mind energy saving aspects in our daily school life, we switch of electric devices and heating systems not in use, we save water and take care of efficient ventilation of our classrooms to save CO<sub>2</sub> and heating costs.....!**



# Climate Protection, Biodiversity and Bioeconomy, A Question of Local/Regional Involvement

ZENAPA



<https://zenapa.de/en/>

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