



UfU  
Independent Institute for  
Environmental Issues

**ENVIRONMENTAL RESEARCH  
CITIZEN FRIENDLY**

# ANNUAL REPORT 2011/2012





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## EDITORIAL

Dear reader,

This report comprises the activities in the years 2011 and 2012 of the Independent Institute for Environmental Issues (UfU). UfU has progressed well during these two years. Many structural data of UfU show a continuously positive trend. In the previous report, we proudly reported that UfU had a staff of 23. Now we have 30 staff members. In 2009, the budget of UfU amounted to EURO 1.1 million. In the meantime it has increased to almost 2 million. The number of the projects has increased to nearly 60 projects per year. The staff members of UfU are highly sought-after specialists in environmental protection, whether in parliamentary hearings in districts of Berlin or the Bundestag, in conferences or consultations on the federal level. The expert knowledge of UfU staff is widely recognised. This is confirmed by many details in this annual report.

Yet, UfU does not only develop its own brand. UfU enters into networks and contributes to their further development. In February 2012, UfU established Ecornet ([www.ecornet.de](http://www.ecornet.de)) together with six other environmental research institutes. It aimed at promoting socio-ecological research in Germany. Thus, our slogan "environmental science – in a citizen-oriented way" guides the activities and the profile of our institute more than ever before. We are proud to say that we have been entering new fields of socio-ecological research, which seven UfU staff members have proven by publishing their articles in the book "Klimaschutz im Kontext – die Rolle von Partizipation und Bildung auf dem Weg in einen klimafreundliche Gesellschaft (Climate protection in context – the role of participation and education on the way to a climate friendly society)". On the other hand, we also improved our strengths as the Department of Climate Protection and Environmental Education has been publishing numerous brochures on various aspects of climate protection for teachers and pupils during the last two years. The project "Klimaschutz in Schule und Kiez (Climate Protection in School and Community)" in Berlin-Moabit links an active school and its local context according to the concept of community organising by means of climate protection initiatives. This has not always been easy, but this project shows that there are many ways to motivate target groups and to make them enthusiastic about climate protection.

The present report summarises the essential projects of the years 2011 and 2012. Some of the projects are presented in greater detail, which does not mean that the other projects are any less interesting or less important. In addition to the information on our projects you will find an overview of publications, lectures and facilitations by UfU staff members and international guests visiting UfU in the last two years. Structural data such as turnover, number of staff and staff development complete the report. I hope you enjoy reading it.

Yours executive board



Malte Schmidthals, Almuth Tharan and Michael Zschiesche



# OWN PROJECTS

## > JOURNAL OF THE INSTITUTE “ISSUES AND INFORMATION”

- No. 69 Why is the U.S.A. struggling with climate protection?  
 No. 70 Energy transition 2.0 – And who wants to join in?  
 No. 71 Energy transition 2.0 – Can regions do it themselves?  
 No. 72 Environmental protection in Vietnam II

► Contact: [michael.zschiesche@ufu.de](mailto:michael.zschiesche@ufu.de), [silke.domasch@ufu.de](mailto:silke.domasch@ufu.de) • Term: 4 issues 2011 and 2012

## > WORKSHOP – JUDGMENT OF THE EUROPEAN COURT OF JUSTICE TRIANEL/ BUND-FRIENDS OF THE EARTH CASE – UFU PROJECT 2011

On May 12, 2011 The European Court of Justice pronounced his judgment (C-115/09) in the case of the coal-fired power station Trianel in North Rhine-Westphalia. The judgment stated the offence of the German Law on Judicial Remedies in Environmental Matters requesting the German government to alter the law accordingly. Instead of a “broad access to courts” for environmental associations and third persons the German government ignored consciously the European requirements. A workshop entitled “What is to be done – consequences from the judgment of the European Court of Justice relating to the Trianel coal- fired power station in Luenen?” held on September 6, 2011 discussed the consequences with leading jurists, experts and environmentalists.

► Contact: [michael.zschiesche@ufu.de](mailto:michael.zschiesche@ufu.de) • Term: 06 until 09/2011

## > 2° PRIVATE

Ecologically harmful and energy wasting routines in private households are identified and changed and new, sustainable attitudes are established in everyday life. For this purpose a test family is coached intensively by so-called climate coaches in the fields of mobility, living, consumption and food for more than a year. The aim of this pilot project is to constantly reduce the ecological footprint of the family.

► Contact: [joerg.welke@ufu.de](mailto:joerg.welke@ufu.de) • Term: as of 06/2012

## > WORLD WIDE VIEWS ON BIODIVERSITY

Thousands of people took part in the global event “World Wide Views on Biodiversity” on September 15, 2012. In 25 countries, people held discussions with each other and with experts and could express their views on the subject of biodiversity in the context of the conference of the parties in Hyderabad/India. UfU planned and organised the participatory process in Germany together with the Museum of Natural History in Berlin. 88 citizens took part in the event. UfU supported the process by providing five facilitators. The results are available at: [www.wwviews.org](http://www.wwviews.org). The UN stated in the final document in Hyderabad that the general public should be given the opportunity to participate on a regular basis from now on.

► Contact: [michael.zschiesche@ufu.de](mailto:michael.zschiesche@ufu.de) • Term: 08/09 2012

## > UFU TREE PLANTING ACTION

On November 3, 2012, colleagues from the UfU went by bike from Bernau to the forest area Biesenthal Basin and took part in the planting of 300 young trees, among them oak, beech and hornbeam, in a protected forest area of the Nature Biodiversity Conservation Union NABU. Native trees were planted as initial plants in the dwindling, non-native pine forest to help to speed up its natural change into a mixed forest. This was a joint action of UfU with NABU and the tree planting initiative Wikiwoods.org.

► Contact: [heike.mueller@ufu.de](mailto:heike.mueller@ufu.de), [alexandra.tryjanowski@ufu.de](mailto:alexandra.tryjanowski@ufu.de) • Term: 11/2012

## > SERIES OF TALKS ON CLIMATE CHANGE IN HALLE

15th evening: Sustainability management in enterprises in the context of climate change with Hans-Ulrich Zabel Prof. Dr., Chair Environmental Management in Enterprises, Martin Luther University Halle-Wittenberg / 16th evening: Climate change in Saxony-Anhalt – the adaptation strategy of state government with Klaus Rehda, president of the Environmental Protection Agency of Saxony-Anhalt / 17th evening: Acceptance problems for renewable energy and ways to overcome them with Gundula Hübner PD Dr., Institute of

KARIN HIX: “It is the target of my job to point out that it is necessary to save the extremely limited resources.”

... Psychology of the Martin Luther University Halle-Wittenberg / 18th evening: Individual adaptation to climate change – a key to the successful implementation of the adaptation strategy of Saxony-Anhalt with Diana Woelki, graduate in psychology, Institute of Psychology of the Otto-von-Guericke University Magdeburg / 19th evening: Guide for rural districts and communities relating to the adaptation strategy to the consequences of climate change with Steffen Schattaneck, graduate in geography, Harz University of Applied Sciences, Department of Automation and Informatics / 20th evening: The software “The Climate Pilot” - guideline for the adaptation to climate change for companies and communities with Christian Kind M.Sc. in Ecological Economics; adelphi research Berlin

► Contact: Dr. Götz Meister, Dr. Peter Günther • Term: 6 events in 2011 and 1 event in 2012

## > INTERNET PLATFORM ON ENVIRONMENTAL LAW

The operation of the internet platform on the use of environmental information rights, [www.umweltinformationsrechte.de](http://www.umweltinformationsrechte.de), provided a topical overview of the subject. This website was completely revised in 2012.

► Contact: [franziska.sperfeld@ufu.de](mailto:franziska.sperfeld@ufu.de) • Term: continuously

## > INTERNET PLATFORM ON THE IMPLEMENTATION OF THE AARHUS CONVENTION

Operation of the internet platform on the implementation of the Aarhus Convention (Convention on environmental information, participation in admission procedures and access to courts) in Germany [www.aarhus-konvention.de](http://www.aarhus-konvention.de)

► Contact: [michael.zschiesche@ufu.de](mailto:michael.zschiesche@ufu.de) • Term: continuously

## > PRACTICAL TEST REGARDING ENVIRONMENTAL INFORMATION LEGISLATION IN GERMANY

200 inquiries to agencies obliged to provide information; empirical evaluation of the answers; study “Practice of environmental information law in Germany – new empirical findings”.

► Contact: [franziska.sperfeld@ufu.de](mailto:franziska.sperfeld@ufu.de), [michael.zschiesche@ufu.de](mailto:michael.zschiesche@ufu.de) • Term: March-December 2012

## > INTERNET PLATFORM RELATED TO ENERGY SAVING IN SCHOOLS

Educational materials, consulting and background information on energy saving in schools and on the incentive system fifty/fifty; information on UfU projects in this field; energy saving school of the month; information on events and exemplary projects.

► Contact: [florian.kliche@ufu.de](mailto:florian.kliche@ufu.de) • Term: as of November 2012

## > ENVIRONMENTAL JUSTICE – A SUBJECT RELEVANT TO YOUNG PEOPLE?

Evaluation of the project Climate Protection in School and Community with regard to relevance of individual issues in the fields of social and environmental justice to young people and conclusions for potential future environmental and climate-related youth projects.

► Contact: [stefan.kraft@ufu.de](mailto:stefan.kraft@ufu.de) • Term: October 2012 until January 2013

## > ELAW AND J&E

The Department for Environmental Law and Participation researched a number of topical issues in the implementation of European environmental protection guidelines, e.g. in the fields of climate protection and waste law, in Germany. Members of the UfU team took part in international conferences in Budapest and Goa/India to participate in the exchange of topical environmental law research results.

► Contact: [michael.zschiesche@ufu.de](mailto:michael.zschiesche@ufu.de), [franziska.sperfeld@ufu.de](mailto:franziska.sperfeld@ufu.de) • Term: Throughout 2011/2012

# DEPARTMENT ENVIRONMENTAL LAW

## § PARTICIPATION

The knowledge of methods and rights is equally important for public participation in the field of environmental protection. Only he who knows his rights may use them. Only the person who knows how to participate is in a position to influence decisions. The Department of Environmental Law and Participation is competent in the domain of informal participation methods and formats as well as in the domain of formalised opportunities for public participation. Its staff members consider it their task to bring transparency and clarity into the jungle of rights in environmental protection. The implementation of environmental law in Germany is examined with in applied scientific projects.

Since 1991 empirical findings relating to the problem of how citizens use participation methods and environmental information rights have been presented in numerous studies by the staff of this department. Apart from that they also analysed the rights and possibilities of participation of officially recognised environmental associations. The most recent study covers the period between 2007 and 2010.

Apart from empirical studies relating to environmental law, the department carries out informal public participation procedures. This includes citizens' conferences, scenario workshops, world cafés, focus groups and the international participation format WWViews. In 2006, the first citizens' conference on the topic of nanotechnology was planned and organised. In 2011 and 2012, a new participation format called focus group dialogue was developed, in which young people from various cities in Germany were interviewed about their attitudes and opinions on the subject of nanotechnology in the context of environmental protection.

With its internet platforms, the organisation of workshops and meetings, the department serves as an interface between environmental associations, lawyers specialised in environmental law and environmental law science in Germany, Europe and the world. Two staff members - Michael Zschiesche (since 1995) and Franziska Sperfeld (since 2010) - are members of the Environmental Law Alliance Worldwide ELAW, where progressive environmental lawyers from 70 countries around the world are organised. Additionally, the department is a member of the European network Justice & Environment (J&E). The staff employed in the department considers Germany the priority of its activity, yet they carry out numerous activities abroad, too. They implement environmental consultation projects on the subjects of transparency, participation and rights of action in several countries such as Moldavia or Croatia. In Vietnam, projects in the context of waste, soil conservation and water protection have been carried out since 1998.

Internet platforms of the department:

→ [www.aarhus-konvention.de](http://www.aarhus-konvention.de)  
[www.umweltrecht.de](http://www.umweltrecht.de)

FRANZISKA SPERFELD: "The energy transition will only be successful if everybody participates. In the field of participation & environmental law I deal with projects which promote participation in the living environment and in political decisions on the energy transition."

BURKHARD PHILIPP:

"I work in the UfU to make environmental protection and justice walking hand in hand."

### > ENVIRONMENTAL ASSOCIATIONS AS RELEVANT ACTORS OF SUSTAINABLE TRANSFORMATION PROCESSES

Far-reaching transformation processes are required for the transformation of society on a path to a sustainable development. The energy transition, the adaptation to climate change, the testing of sustainable ways of consumption and production are examples of environmentally relevant transformations whose outcome and effects are still uncertain. The role of the environmental associations and civil society on the whole in these changes has yet to be defined.

Environmental associations have to stand their ground successfully in an ever more complex setting and develop strategies on how to give impulses for social transformation processes in the future. Today, environmental associations have to deal with a far more unclear situation than e.g. in the 80s of the last century. The environmental associations have been extremely successful during the last thirty years. Many environmental problems in Germany have been solved. Now there are new, very complex tasks to be worked on. The solutions for them are by no means simple cause and effect models. In addition, in the field of environmental and climate protection, new groups of players have emerged which are in competition with established environmental associations and strive for the attention of media, decision-makers and the public.

The targets of the project are, on the one hand, to collect relevant structural data of the environmental associations since 1990. In addition the strategic potentials and concepts of the environmental associations have to be examined (analytical part) in regard to the reorganisation of society into a sustainable society. The project also aims to discuss how environmental associations can contribute to initiating the transformation processes in society and, if possible, to promote them (action-oriented part). The project envisages participation. The results of four workshops and accompanying interviews are included in the report on the project as purposeful and deeper investigations.

► Contact: [michael.zschiesche@ufu.de](mailto:michael.zschiesche@ufu.de), [franziska.sperfeld@ufu.de](mailto:franziska.sperfeld@ufu.de) • Term: 12/2011 - 12/2013

◆ Sponsor: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Federal Environmental Agency ■ Advisory Council of the Project: Prof. Dr. Annette Zimmer, University Münster; Dr. Eckhard Priller, Science Centre Berlin, Dr. Holger Krimmer, Founders' Association of German Science; Dr. Michael Wehrspaun, Federal Environmental Agency; Dr. Jutta Emig, Federal Ministry for the Environment; Bruni Weißen, Federal Ministry for the Environment; Nicole Lüdi-Geoffroy; Claas Wenzlik, mocovision

### > A SERIES OF FOCUS GROUP TALKS WITH YOUNG PEOPLE ABOUT OPPORTUNITIES AND RISKS OF NANOMATERIAL FOR THE ENVIRONMENT

The pupil focus group events formed part of the scientific project "Recording, Assessment and Presentation of Socially Relevant Data and Findings on Nanomaterial" (DaNa). The target of the DaNa project is to collect the scientific results and data from current and future projects supported by public authorities in the field of research on nanotechnology and to process them in a comprehensive and understandable way. In particular the NanoCare and NanoNature projects form part of the especially important, already current research projects.

The participation format "focus group talks on nanotechnology" was developed especially for the project. It represents a further development of two approved participation methods, the focus group method and the citizens' or consensus conferences. A class from a high school at Elmshorn near Hamburg and two Berlin school classes from a college and a second-chance education school participated in the project. To provide a basis for the pupils for dealing with this subject, various experts visited the classes and provided introductions into the subject. The pupils could collect further information with the aid of an informational reader. An online platform provided the opportunity to comment on the material from the info reader and to ask questions, which were submitted to the experts. During a subsequent visit to the schools, the experts answered the questions of the pupils and explained further aspects of the subject. The focus group talks were held one week after the last school visit. All classes showed a broad, extremely varied spectrum of opinions. The pupils did not understand nanotechnology as an anxiety-provoking subject. The discussion of the risks mentioned took place in an objective and unemotional atmosphere, a clearly recognisable pattern was evaluating every single case and dealing with the questions pragmatically.

The aspects "lack of knowledge of the effects" and "lack of research into risks and long-

FELICIA PETERSEN:

"As a lawyer I have been sensitised for the subject of communication. Thus I am very concerned about the implementation of mediation procedures in the public sector."



... term effects” were an important, frequently mentioned issue relating to the risks. As a consequence, an active, intensified research into the risks was requested. Demands for governmental regulations were also raised, yet in a less pronounced way. When dealing with the risks, it became apparent that the pupils expected that current and transparent information on risks and the knowledge of risks would be given. The demands resulting from other investigations for more information and more easily accessible information on nanotechnology were confirmed. Here, the pupils considered that, in particular, research and science, the government and companies - and to a lesser extent consumer protection institutions, the health sector, politics, school and media - are obliged to give information.

► **Contact:** michael.zschiesche@ufu.de, alexandra.tryjanowski@ufu.de, fabian.stolpe@ufu.de

• **Term:** 04/2011 – 06/2012 ♦ **Sponsor:** Federal Ministry of Education and Research

■ **Project partners:** Gesellschaft für Chemische Technik und Biotechnologie e.V. (Society for Chemical Engineering and Biotechnology reg. assoc.) (DECHEMA), Karlsruhe Institute of Technology (KIT), Helmholtz Centre of Environmental Research Ltd. - UFZ, Fraunhofer Institute for Ceramic Technologies and Systems Dresden (Fraunhofer IKTS) and the Swiss Federal Laboratories for Materials Testing and Research (EMPA)

#### > **THE DEVELOPMENT OF LEGAL ACTIONS OF ASSOCIATIONS IN THE FIELD OF NATURE CONSERVATION AND ENVIRONMENTAL PROTECTION LAW BETWEEN 2007 AND 2010**

The study of legal actions taken by nature conservation and environmental protection associations was prepared in co-operation with Prof. Dr. Alexander Schmidt, Anhalt University of Applied Sciences, and examines on the basis of empirical data to what extent and with what results the recognised nature conservation and environmental protection associations have used their rights of action in the period between 2007 and 2010. It refers to preceding investigations (e.g. in the period between 2002 and 2006) so that now the UfU's data on the development of legal actions taken by nature conservation and environmental protection associations between 1995 and 2010 are available. The study is based on investigations carried out in legal data bases, the technical literature and in the internet as well as partly through polls among representatives of recognised environmental associations. In addition to the number of actions, the success rate was recorded and compared with other legal actions in administrative courts. The success rate of the environmental organisations is comparatively higher, which allows the conclusion to be drawn that the associations use the instrument of legal actions effectively and moderately to reduce the deficits of implementation in environmental protection.

► **Contact:** michael.zschiesche@ufu.de, alexandra.tryjanowski@ufu.de • **Term:** 08-09/2011

♦ **Sponsor:** Federal Agency for Nature Conservation (BfN)

#### > **PARTICIPATION AND EDUCATION IN CLIMATE CHANGE II**

Continuation of the trans-sectoral project that started in 2008: Organisation of a meeting on the subjects of communication, education and participation in the field of climate protection and preparation of an international, comparative study.

► **Contact:** michael.zschiesche@ufu.de, fabian.stolpe@ufu.de • **Term:** 09/2011-01/2013 ♦ **Sponsor:** Federal Ministry of Education and Research (Priority: Social and ecological research) ■ **Project partners:** Climate union Upper Austria, Institute for Environmental Politics Prague, Centre for Alternative Technologies, Danish Organisation for Renewable Energy

#### > **STUDY ON PARTICIPATION OF THE PUBLIC RELATING TO THE EXPANSION OF THE NUCLEAR POWER PLANT TEMELIN**

Short study on the trans-boundary participation of the public in the EIA procedure in the framework of the extension of the nuclear power plant Temelin in the Czech Republic.

► **Contact:** michael.zschiesche@ufu.de, alexandra.tryjanowski@ufu.de • **Term:** 06/2012

♦ **Order:** Green Faction in the Bavarian state assembly

#### > **CONSEQUENCES OF THE FRIENDS OF THE EARTH GERMANY/TRIANEL VERDICT OF THE EUROPEAN COURT OF MAY 12, 2011**

Workshop with experts from environmental associations and lawyers on the consequences resulting from the verdict for the new Environmental Appeals Act.

► **Contact:** michael.zschiesche@ufu.de, alexandra.tryjanowski@ufu.de • **Term:** 05/2011

♦ **UfU's own project**

#### > **CONFERENCE “PARTICIPATION OF CITIZENS IN ENVIRONMENTAL PROTECTION” OF FRIENDS OF THE EARTH GERMANY IN CO-OPERATION WITH UFU**

Conference on how the federal government will be able to achieve citizen-friendly regulations in the field of environmental protection.

► **Contact:** michael.zschiesche@ufu.de • **Term:** 10/2011

■ **Project partner:** Friends of the Earth Germany

#### > **PILOT PROJECT ON LAND RECYCLING IN VIETNAM**

Technical workshops in Vietnam and scientific research in the context of soil protection and land recycling.

► **Contact:** michael.zschiesche@ufu.de • **Term:** 02-08/2012

♦ **Sponsor:** Federal Ministry of Education and Research

■ **Project partners:** University Bochum, EnViet-Consult Bochum, environment and technology Esslingen

#### > **SERIES OF WORKSHOPS ON SOIL PROTECTION IN VIETNAM**

Several workshops on the subject of soil protection with representatives of the Vietnamese Ministry for the Environment.

► **Contact:** michael.zschiesche@ufu.de • **Term:** 05/2012

♦ **Order:** Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

#### > **ELAW AND J&E**

Contribution to the preparation of status reports in the international network

[www.justiceandenvironment.org](http://www.justiceandenvironment.org)

Participation in preparing several papers of the network J&E

Participation in workshops and work meetings

Participation in the work of the worldwide environmental law network Environmental Law Alliance Worldwide (ELAW)

► **Contact:** michael.zschiesche@ufu.de, franziska.Sperfeld@ufu.de

#### > **NEW STUDY ON THE APPLICATION OF THE ENVIRONMENTAL INFORMATION LAW**

Preparation of a new study on the implementation deficits of authorities and other authorities obliged to furnish information in response to requests of citizens on environmental protection subjects. The new study refers to a study done in 2008 and thus represents the changes in the application of the environmental information law.

► **Contact:** michael.zschiesche@ufu.de, franziska.Sperfeld@ufu.de • **Term:** 03-12/2012



### > STUDY ON “PARTICIPATION OF THE PUBLIC AND ENVIRONMENTAL MEDIATION IN LARGE INFRASTRUCTURAL PROJECTS”

Preparation of a study relating to approaches for a better inclusion of citizens in infrastructural projects in the Federal Republic of Germany.

► Contact: michael.zschiesche@ufu.de • Term: 01-06/2011

◆ Order: Fraction The Left in the German Parliament

### > SAVA “RIVER BASIN MANAGEMENT IN CROATIA”

Consulting in planning and preparing processes of the participation of citizens in connection with river basin planning and carrying out environmental impact assessments. In addition also consulting in preparing strategic environmental assessments.

► Contact: alexandra.tryjanowski@ufu.de • Term: 4/2011 – 4/2013

◆ Sponsor: EU Commission in a subcontract of Zelena akcija / Friends of the Earth Croatia

### > DIALOGUE – TRANSPARENCY AND PARTICIPATION IN ENVIRONMENTAL PROTECTION IN MOLDOVA

Implementation of the Aarhus Convention in Moldova, preparation of legislative proposals of the civil society on the three columns of Aarhus. Preparation of an action plan, carrying out of model projects, visit to Germany and organization of a side event at the conference of the contracting states in Chisinau.

► Contact: alexandra.tryjanowski@ufu.de, franziska.sperfeld@ufu.de, michael.zschiesche@ufu.de

• Term: 05/2009 – 7/2011

◆ Sponsor: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

### > WORKSHOP “2020 – THE FUTURE OF THE ENVIRONMENTAL ASSOCIATIONS – ENVIRONMENTAL ENGAGEMENT IN CHANGE”

Planning and holding of a country-wide workshop of leading environmental associations in Germany on January 12, 2011 in Berlin. Exchange on developments in the field of honorary functions in Germany and potential engagement in environmental associations. Discussion of strategic problems relating to the environmental engagement in the German society.

► Contact: franziska.sperfeld@ufu.de • Term: 09/2010 – 2/2011

◆ Sponsor: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety



# DEPARTMENT CLIMATE PROTECTION & ENVIRONMENTAL EDUCATION

The Department of Climate Protection and Environmental Education supports schools in Berlin and municipalities in energy saving projects by developing energy-aware user behaviour and advising on small investments. This includes supporting schools and local school authorities in adopting and implementing incentive systems for energy saving such as “fifty/fifty”. In such a model, half of the energy, waste and water costs saved are given to the schools by their supporting organisation to spend according to their own aims.

We also support schools' use of renewable energy and their works towards an overall environment- and climate-protecting orientation. In 2011/2012 we expanded this traditional offer with the aspect of environmental journalism.

It has always been important to us to combine interesting and participatory teaching with practical, user-oriented implementation of the climate protection projects.

We prepare teaching materials for these projects and also on other subjects of environmental education in the field of climate protection, energy transition and sustainability. For these materials we investigate which approaches are promising in the framework of education for a sustainable development (ESD), also comparing the approaches used in different countries. The following priorities are being implemented in our research subjects and developments in the field of education:

- ◇ How can children of various ages, from kindergarten to secondary school, practically experience the subject of renewable energy?
- ◇ How can a teacher's subject turn into a student's subject? What will help develop intrinsic motivation?
- ◇ How can ESD principles be implemented in the elementary field (pre-school age)?
- ◇ Development of teaching approaches and materials on renewable energy which allow teachers to integrate them into the everyday learning environment of the students.
- ◇ Use of new media (video, comic design, photos) and e-learning as enrichment of the practice-oriented instruction e.g. as “blended learning”.

A further priority of our work is combining our pedagogic projects with local climate protection. We see the school as a local actor as it is described in the “community school approach”, mostly relating to social issues. Here, we established a connection to the issue of climate protection and we investigate the relation between social and environmental justice. It is important to us that children and adolescents will participate (not only) in environmental, climate protection and climate change policies and planning. We also develop new teaching materials because up until now children and youths have been largely excluded from (formal) participation procedures.

We make the practical results of our work available in the form of brochures, material boxes, teaching material, studies and a survey of teaching material available elsewhere. In addition, we implement the results of our research in teacher training courses and further training offers.



ALEXANDRA TRYJANOWSKI:  
“The question that occupies my mind is: Which practical steps can we take here and today towards ways of life within the resource limits of our planet?”

## > ENERGY MANAGEMENT IN SCHOOLS – YOUNG REPORTERS FOR ENVIRONMENT

Ecological activities and projects are combined with journalistic qualification and activity of children and adolescents. Whereas in Slovakia project participants report on completely different environmental subjects, energy and climate issues are the focus of attention in Berlin.

In Berlin schools which are running fifty-fifty projects, students are encouraged and qualified for writing reports on the project in their schools and publishing them in school magazines, local and national media. For this purpose UfU offers several workshops for students involved with or intending to get involved with school magazines. Additionally, Berlin students are in constant exchange with Slovakian students and act jointly as Young Reporters for Environment.

In the project unit “Young Reporters for Environment (YRE)” a film of the same title was produced.

Florian Kliche visited Trencin for an exchange of experiences and an advanced training for teachers in the framework of the partnership with Slovakia.

UfU will continue this project in 2012/13, when the country-wide propagation of YRE will be in the foreground as well as energy management in schools in the city partnership Berlin-Peking.

In addition, in autumn 2012 a model classroom was equipped with measuring devices and displays aimed at attaining intuitive climate protecting and health promoting behaviour regarding heating, ventilation and lighting.

Since 2000 UfU has carried out energy saving projects in schools by order of the Berlin districts Mitte, Steglitz-Zehlendorf, Reinickendorf, Treptow-Köpenick by contracting companies and the county Teltow-Fläming in Brandenburg State. In all of these places schools have been supported in saving energy with energy tours, measurements and inclusion of all users.

► Contact: [florian.kliche@ufu.de](mailto:florian.kliche@ufu.de) • Term: 01/2010 - 12/2013 ♦ Sponsor: Berlin Senate Administration for Health, Environment and Consumer Protection; German Environment Foundation, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (county Teltow Fläming) ■ Order: Berlin districts of Mitte, Steglitz, Zehlendorf, Reinickendorf, Treptow-Köpenick, contracting companies and the Teltow Fläming county ■ Project partner: Spirala (Slovakia)

### ENERGY SAVING PROJECT IN THE DISTRICT MITTE

With the beginning of the school year 2011/2012 the district Mitte started an energy saving project in five schools. UfU carried out the project in co-operation with HOCHTIEF Energy Management GmbH and Arge Pool 18, which were responsible for the technical service of the heating systems of the participating schools.

### ENERGY SAVING PROJECT IN THE DISTRICT REINICKENDORF

We have been running the fifty/fifty program in the district Reinickendorf since 2010. In 2012, eleven schools were supported to save energy by changing user behaviour. The pedagogic work was similar to that in the district Mitte. After the second project year, a refund of saved energy cost of € 4,700 per school was recovered.

### ENERGY SAVING PROJECT IN THE DISTRICT STEGLITZ-ZEHLENDORF

Introduction to climate change and connection with the school's own activities, energy tour, temperature measurements in the rooms, long-term temperature measurements, lighting measurements, light switch marking, measurement of the energy consumption of the electric devices, indication of defects, recommendations for energy saving and for repairs.

### ENERGY SAVING PROJECT IN THE DISTRICT TREPTOW-KÖPENICK

In the past school year 2011/12, 14 schools participated. According to preliminary calculations the following results were achieved last year:

72.604 kWh excess consumption of electric current / 547.969 kWh saving of heat  
3.140 m<sup>3</sup> saving of water

## ENERGY SAVING PROJECT IN THE COUNTY TELTOW FLÄMING

In 2012, UfU was entrusted with “introducing and continuing energy saving models in schools of the county Teltow-Fläming” over the course of three years. UfU supported four secondary schools, six special schools and one college.

## > FIRMLY ESTABLISH RENEWABLE ENERGY IN TEACHER TRAINING!

Together with its project partners Solar Future and Ecologic Institute Berlin, UfU investigates various ways towards permanently integrating renewable energy into teacher training and develops materials for the qualification of teachers in energy issues in the framework of the project “Teacher Training RE (renewable energy)”. On the one hand, consulting and cross-linking offers are prepared and tested for teacher training, on the other hand, the future teaching staff is sensitised and equipped for energy subjects in 80 special seminars held throughout the country. Apart from that, teachers already working at schools are educated in the framework of further teacher training in all federal states.

The special seminar scripts on the eight subjects “Ready for Change”, “Interdisciplinary Projects on RE”, “Experiments with RE”, “Saving Energy”, “Green Jobs”, “Alternative Mobility”, “Building Sustainably” and “Future Visions 2050” as well as an introductory online course on the subject “Energy Transition” were completed in summer 2012 and were placed on the project page for downloading together with practically orientated suggestions and cross-linking offers for schools and study seminars. The offer includes:

- ◇ Scripts and material for special seminars
- ◇ Online course “Ready for Change”
- ◇ Material pool RE
- ◇ Exchange of teaching material
- ◇ Networking with other schools
- ◇ Advice for teaching staff and trainers
- ◇ Giving feedback

In September 2012, the seminars for trainee teachers were started. The downloads and above-mentioned offers can be found on the project page: [www.ufu.de/lehrerbildung](http://www.ufu.de/lehrerbildung).

► Contact: [iken.draeger@ufu.de](mailto:iken.draeger@ufu.de) • Term: 11/2011 – 04/2014

♦ Sponsor: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

■ Project partners: Ecologic Institute Berlin and Solar Future reg. assoc.



FLORIAN KLICHE: “My motivation is to inform children and young people about the consequences and to actively participate in planning the energy transition.”

» With the aid of fifty-fifty we have saved much more energy at our school. Without you, the whole project would not function.

Brigitte Menzel, Teacher at the Charlotte-Wolff College Berlin





## > CLIMATE PROTECTION AND ADAPTATION IN SCHOOL AND DISTRICT

Climate protection-relevant measures in the 1st community school in the Stephan district in Moabit (Berlin-Mitte), development of two teaching units and a methods manual. How can school and district co-operate more closely? Are there possibilities to protect the climate with joint effort?

These and similar questions have been raised in the project "Climate Protection and Adaptation in School and District" that started in 2011. Together with numerous stakeholders from Moabit, UfU has been supporting the 1st community school Berlin-Mitte ever since in implementing its climate protection measures.

At the successful starting event with 200 students, there was an initiative to launch a climate protection photo competition and the results were presented in late 2011. Measures on the subject fields "Saving Energy and Renewable energy", "Indoor Air, Microclimate and Biodiversity" and "Climate Protection, Food and Health" were initiated in school and district and were carried out in 2012. Students were also trained to carry out consultations on energy saving in their area, they made a multicultural climate cookbook and planned the new planting of their schoolyards and the Stephankiez neighbourhood with bushes and trees. In the framework of this project, UfU and the community school co-operated closely with BürSte e.V., SOS Kinderdorf, the Moabiter Ratschlag and the citizens' platform Wedding-Moabit. First results were presented at the school festival of the community school at the end of the school year 2011/12. The methods manual and the two teaching units were also under preparation in the project period.

► Contact: korinna.sievert@ufu.de • Term: 05/2011 – 07/2013 ♦ Sponsor: Federal Environmental Agency

## > SOKO CLIMATE

"Soko (Special Commission) Climate" combines the subjects of climate protection/adaptation to climate change, city planning and the participation of children and youths in these fields. In four pilot projects in Berlin and Heidelberg material is being developed which will be made available country-wide.

► Contact: almut.tharan@ufu.de • Term: 12/2011-11/2014

♦ Sponsor: National Climate Protection Initiative of the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety ■ Project partner: TU Berlin/kubus, IFEU Heidelberg

## > LEUCHTPOL

With the aid of a 5-day advanced training course, kindergarten teachers are trained in implementing education for sustainable development by the example of energy and environment in pre-school education. In this project, a master course was developed together with the Alice Salomon University of Applied Science and we participated in updating the education plans of Saxony-Anhalt and Berlin.

► Contact: heike.mueller@ufu.de • Term: 04/2009 – 12/2012

♦ Sponsor: Leuchtpol gGmbH (the working team "Nature and Environmental Education" (ANU Federal Union) is the sole partner of Leuchtpol gGmbH, financial sponsor is E.ON AG)

## > SOLAR SUPPORT: MAKING RENEWABLE ENERGY VISIBLE! 2

Coordination of the technological and pedagogic upgrading of 400 PV devices in schools, the "climate protection school atlas", organisation of six regional conferences.

► Contact: ulrike.koch@ufu.de • Term: 01/2010 – 12/2013 ♦ Sponsor: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety ■ Project partners: German Society for Sun Energy DGS e.V., Subcontractor: whydata IT

## > SPECIAL SEMINARS ON SUSTAINABILITY SUBJECTS WITH WWF

Country-wide organisation of special seminars in the 2nd phase of teacher training, subject: Climate change and climate protection, ecological footprint, overfishing, forest and wood.

► Contact: korinna.sievert@ufu.de • Term: 05/2011 – 04/2013 ♦ Sponsor: Federal Environmental Agency

■ Project partner: World Wildlife Fund for Nature WWF Germany

## > GREEN IT

Conception of a brochure and an online course on "Green IT" for students of the 1st secondary level. Carrying out further training of teachers in Berlin.

► Contact: korinna.sievert@ufu.de • Term: 05/2011 – 05/2013 ♦ Sponsor: Federal Environmental Agency

■ Project partner: Institute for Future Studies and Technological Assessment IZT

## > EXPERIMENTAL WORLD: RENEWABLE ENERGY: POWERADO PLUS

Bringing renewable energy into instruction and teacher training was the aim of the joint project powerado plus, sponsored by the Federal Ministry for the Environment. It was completed after a term of three years in March 2012. UfU participated in two modules.

► Contact: iken.draeger@ufu.de • Term: 03/2009 – 03/2012 ♦ Sponsor: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety ■ Project partners: German Sun Energy Society, Regional Association Berlin Brandenburg reg. Assoc., Institute for Future Studies and Technological Assessment IZT, TU Dresden – Chair for Psychology of Teaching and Learning, iserundschmidt GmbH – Creative Agency for Public Relations, University Magdeburg – Chair for Educational Science Media Research, Ecologic Institute Berlin, Solar Future

## > E-FIT: QUALIFYING ALL YOUR LIFE IN THE FUTURE FIELD OF RENEWABLE ENERGY

Development of an online course for job orientation in renewable energy and five further education courses on solar energy, wind energy, water power, bioenergy and geothermal energy.

► Contact: iken.draeger@ufu.de • Term: 06/2009 – 08/2012 ♦ Sponsor: Federal Ministry of Education and Research

■ Project partners: German Sun Energy Society, Regional Association Berlin Brandenburg DGS, Institute for Future Studies and Technological Assessment IZT, TU Dresden – Chair for Psychology of Teaching and Learning

## > TEACHING MATERIALS ON CLIMATE CHANGE FOR WWF

UfU in co-operation with the WWF developed seven teaching units for the secondary level with the aim to activate young people to protect the climate and save energy.

► Contact: iken.draeger@ufu.de • Term: 12/2009-12/2012

♦ Order: World Wildlife Fund for Nature (WWF Germany)

## > SAUCE – SCHOOLS@UNIVERSITY - SCHOOL PUPILS' UNIVERSITY

Between 2009 and 2011, five school pupils' university weeks were organised on the subject of climate protection with lectures and interactive events for students and advanced training seminars for teachers. "Schools@university, Create your own Future for Climate & Energy", briefly SAUCE, was organised within an EU-funded project.

► Contact: heike.mueller@ufu.de • Term: 01/2009-05/2011, 2012-2015 continued as students' university for sustainability and climate protection ♦ Order: Research Centre for Environmental Policy of the Free University Berlin

## > SAVING ENERGY IN SCHOOLS IN HANOVER

Pedagogic activities and small investment measures relating to the subject of saving energy in more than twenty schools in Hanover.

► Contact: dino.laufer@ufu.de • Term: 09/2011-06/2013 ♦ Sponsor: Land capital Hanover and Building Management Department in the framework of the National Climate Protection Initiative of the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

ULRIKE KOCH: "It motivates me and drives me to meet engaged people in the whole country, to initiate projects and to familiarise people with them and to organise a constructive exchange for the climate protection field."



### > “GASAG ENERGY CUP”

Organisation of the competition and back office for the “GASAG Energy Cup”: Since 2003 GASAG and UfU have been co-operating on the subject of climate protection in schools. The climate protection competition “GASAG Energy Cup” has been held since the school year 2006/07. More than 20 schools took part in the fifth and last year of the competition.

The GASAG Energy Cup in its previous form was terminated. It was combined with the competition “Berlin Climate Schools” starting as a new competition, “Berlin Climate Schools”, in autumn 2011.

► Contact: marlies.bock@ufu.de • Term: 07/2008-06/2011 ♦ Order: GASAG Berlin

### > “BERLIN CLIMATE SCHOOLS”

The competition offered by the Berlin state ministries of Education, Science and Research and Health, Environment and Consumer Protection, the German Insurance Association and WWF, GASAG and the German Insurance Association took place for the third and last time in the school year 2010/2011. Throughout the running time of the competition, innovative and creative climate protection ideas of schools, class courses and student groups were sought. The competition was marked by the fact that the projects could be granted a start-up financing. Altogether 89 papers were submitted in the three years of competition.

The competition “Berlin Climate Schools” in its previous form was terminated in 2011. It was combined with the “Gasag Energy Cup” and started as a new competition “Berlin Climate Schools” in autumn 2011, again supported by two Berlin state ministries plus GASAG and Friends of the Earth Berlin.

► Contact: almuth.tharan@ufu.de • Term: 07/2008-06/2011, 10/2011- ongoing

On behalf of Berlin State Ministry of Education, Youth and Research and City Development and Environment; German Insurance Association and WWF (2008-11), GASAG and Friends of the Earth Berlin (since 10/2011)

### > EURONET 50/50

Dissemination of energy saving projects in schools of various EU countries and establishment of a network of 50/50 schools. UfU experience and material translated into English, Polish, Finnish, Spanish, Catalan, Greek, Slovenian, Italian, Portuguese, Hungarian.

► Contact: almuth.tharan@ufu.de • Term: 06/2009-05/2012

♦ Sponsor: EU program “Intelligent Energy Europe”

Partners in nine European countries

### > CHILDREN OF THE SUN

Over the years, the Children of the Sun have become a traditional Berlin project. They were developed in 2004 and have been supported continuously since 2007. The staff members of UfU come into the kindergartens taking part in the project, bringing with them a suitcase with dollhouse household appliances and other play and experimental materials – demonstrating its use in four project days. Apart from that, there is a further training seminar for the kindergarten teachers on the subject of sun and other renewable energy.

► Contact: meike.rathgeber@ufu.de • Term: 07/2007-12/2013

♦ Order: Berlin state ministry for Urban Development and Environment

### > ENERGY SAVING IN SCHOOLS IN THE COUNTY LUDWIGSLUST

Adoption of a motivation and qualification measure to reach behaviour-related energy saving in schools. Development of a sustainable concept to be implemented by the schools themselves.

► Contact: almuth.tharan@ufu.de • Term: 01/2010-02/2011

On behalf of county of Ludwigslust within EFRE/INTERREG IVB project “EcoRegion”

### > ATMOSFAIR SUPPORTS FIFTY/FIFTY SCHOOLS

Atmosfair, an institution established on the basis of donations by air passengers compensating their CO<sub>2</sub> emissions by means of climate protection projects, supports country-wide energy saving projects in schools to thus propagate the fifty/fifty model.

► Contact: malte.schmidthals@ufu.de • Term: since 2007 ongoing ♦ Order: atmosfair

» I liked the workshop for young reporters as I got to know how to write a good article. The workshop was extremely informative, exciting and still something was done for environment. «

Tabea Roth von Szepesbela, pupil of the Dathe High School

Berlin-Friedrichshain



ALMUTH THARAN:

“Not waiting for “those at the top” to do something against climate change but helping there where every individual can become active – this is what drives me”

MARLIES BOCK:

“The pleasure in working with children and young people and the conviction to do something important and practical drives me in my daily work.”

### > CLIMATE PROTECTION CONCEPT FOR THE REGION “HOHE SCHRECKE”

Development of a climate protection concept for the nature protection region “Hohe Schrecke” with the priorities of heat and renewable energy.

The “Hohe Schrecke” is a 7,000 ha forest area in a hill range in North Thuringia at the border to Saxony-Anhalt.

► Contact: malte.schmidthals@ufu.de • Term: 12/2010- 12/2011 ♦ Order: David Nature Foundation

### > SOLAR SCHOOL BOAT

Development of an educational concept for the solar school boat at the Werbellinsee. UfU developed teaching content and station learning for different age groups to be implemented on the boat.

The maiden voyage of the boat took place in mid-August 2012. Test voyages will be made until summer 2013.

► Contact: heike.mueller@ufu.de • Term: 07/2012-08/2013

On behalf of Cultural Landscape Uckermark, financed by the German Federal Environment Foundation

### > SPECIAL CONFERENCES ON “CLIMATE PROTECTION IN SCHOOLS”

Organisation and running of two special conferences on the subject “Climate protection in schools – here and elsewhere” (2011) and “Climate protection in schools – climate protection and health” (2012) in Berlin.

► Contact: marlies.bock@ufu.de, dino.lauffer@ufu.de • Term: annually

♦ Sponsor: Berlin state ministries for City Development and Environment and Education, Youth and Science



- **ONLINE TOOL “CLIMATE CASH REGISTER FOR HAMBURG STUDENTS’ COMPETITION”**  
 Planning and content development of a competition on the subject of climate protection for the Regional Institute for Teacher Training and School Development Hamburg. It is the aim to impart knowledge on the subject of climate protection in everyday life to students by means of a web-based tool and to encourage them to carry out climate protecting actions.  
 ▶ **Contact:** [florian.kliche@ufu.de](mailto:florian.kliche@ufu.de) • **Term:** 01/2010-12/2012 ■ **Project partners:** Iserundschmidt  
 On behalf of Regional Institute for Teacher Training and School Development Hamburg
- **TEACHING MATERIAL ON THE ECOLOGICAL FOOTPRINT**  
 The teaching material “Fair Future – the ecological footprint for schools” was developed by UfU supplementary to the school campaign FAIR FUTURE. The material makes the concept of the ecological footprint visible and is addressing students of the classes 9-12.  
 ▶ **Contact:** [bianca.schemel@ufu.de](mailto:bianca.schemel@ufu.de) • **Term:** 11/2010-02/2011  
 On behalf of Multivision e.V.
- **SCHOOL WITH ENERGY – A PROJECT WITH KOBRANET**  
 Assessment of school activities in the fields of climate protection and deriving supplementary energy projects from it. The project supports the establishment of a school-to-school network on the issue of energy. The schools are given the equipment and working materials necessary for further activity.  
 ▶ **Contact:** [ulrike.koch@ufu.de](mailto:ulrike.koch@ufu.de) • **Term:** 10/2011-12/2012  
 On behalf of kobra.net, Potsdam
- **REGIONAL SEMINARS ON THE ENERGY TRANSITION**  
 UfU developed a co-operation and information event called “Renewable energy, Saving Energy, Efficiency and Network Expansion – here and elsewhere” to inform citizens about the challenges of the energy transition. This event will make a contribution to developing a more comprehensive understanding of the energy transition.  
 ▶ **Contact:** [dino.lauffer@ufu.de](mailto:dino.lauffer@ufu.de) • **Term:** ab 07/2012 ■ **Project partners:** various regional project partners  
 On behalf of 50Hertz
- **INTERACTIVE EXHIBITION “ENERGY TRANSITION”**  
 Interactive exhibition with ten information boards, eight learning stations on different aspects of the energy transition and the “energy transition carpet”, where the energy transitions becomes visible.  
 ▶ **Contact:** [heike.mueller@ufu.de](mailto:heike.mueller@ufu.de) • **Term:** 08/2012-07/2013 ♦ **Order:** 50Hertz ■ **Project partner:** Leuchtpol
- **CLIMATE DETECTIVE HELLERSDORF-MARZAHN**  
 The key elements of the project “Climate detective” are detecting energy consumers in the respective institution and the type of energy supply (light supply, type of heating, solar plant...) by the students.  
 ▶ **Contact:** [dino.lauffer@ufu.de](mailto:dino.lauffer@ufu.de) • **Term:** 03/2012-11/2012 ■ **Project partners:** Children and Youth Office Hellersdorf-Marzahn, on behalf of Local Agenda 21, Hellersdorf-Marzahn

DR. DINO LAUFER:  
 “I am pleased to make a contribution to awareness-raising and to an active participation of diverse groups of the population in the energy transition by my work at UfU.”



HEIKE MÜLLER: “I enjoy working at UfU because I am dealing with interesting subjects which impact society and I meet many exciting people.”



UfU Tree Planting Action, November 2012

© HEIKE MÜLLER

Low-carbon cooking at UfU Project 2012 2°private

© JÖRG WELKE

Maik Birnbach planting flowers in the project School and District

© FRANZISKA SPERFELD

UfU deputy chair Malte Schmidhals, 50Hertz Manager Boris Schucht, Prime Minister of Mecklenburg-West Pomerania Erwin Sellering

Hand over of the citizens’ vote Mobile with Hydrogen to Dirk Inger from the Federal Ministry of Transport, Building and Urban Development

© HEIDI SCHERM / FOTOGRAFIE

Prime Minister of Saxony-Anhalt Reiner Haseloff hands over award to Katrin Schneider

© DEUTSCHLAND – LAND DER IDEEN



# DEPARTMENT OF RESOURCE PROTECTION AND LANDSCAPE ECOLOGY

The department sets itself the task to sustainably arrange the processes of change in nature and society. We give impulses, show ways and accompany processes of change.

- ◇ We think that change is possible.
- ◇ We know that everybody can make a contribution to changes.
- ◇ We provide the opportunities for people to make a contribution.

We work on the basis of the latest results of research, experiences in participation over many years and detailed in situ knowledge. Thereby we attach importance to translating scientific findings and political programmes into the living and empirical world of citizens. Equally we process knowledge and attitudes of the population for decision-makers in politics and economy. Our target is to promote mutual understanding and to initiate common actions.

We work in interdisciplinary teams using a broad spectrum of methods. Our staff is trained in facilitation and change moderation. We do research and give advice relating to the following subject priorities:

- ◇ Biodiversity and nature conservation
- ◇ Fuel and mobility
- ◇ Energy transition and extension of the network
- ◇ Raw materials and resource policy
- ◇ Water resources and supply

## UNDERSTANDING OF PROCESSES OF CHANGE

We do strategic research to understand the causes and dynamics of processes of change in nature and society and to derive innovative and implementable response strategies. In this context we assist in meeting the challenges resulting from processes of change in the fields of biodiversity, energy supply, shortage of resources and change of mobility.

## INITIATION OF PROCESSES OF CHANGE

We bring actors from various social fields together through pilot projects and initiate changes. In this respect we develop tailored project approaches.

## ORGANISATION OF PROCESSES OF CHANGE

We assist local actors in implementing their projects and bring them to a successful end. We build up trust in situ between actors by means of appropriate participation procedures.

## EVALUATION OF PROCESSES OF CHANGE

The scientific evaluation of the processes of change and of the communication measures initiated serve to evaluate the success, thus securing a high quality in implementing the project. The evaluation may be carried out after finishing change-related projects or accompanying the project.

## > YOUNG PEOPLE AND MOBILITY

Conferences on mobility are actually characterised by headlines such as “Young people lose interest in cars”, “The de-motorisation of the youth” or “The car as status symbol has done its time”. But is this “trend of young people” really true? The project “Youth and Mobility” deals with this and other issues relating to the mobility of young people in everyday life. That is why 36 interviews based on this central idea were conducted with young people from Berlin and rural regions of Brandenburg.

As a result, it became obvious that mobility is an integral component of the life of young people. For young people, being mobile means freedom, independence and the opportunity to choose their own way of life. In towns and cities, young people’s mobility decisions are determined by consideration of various mobility alternatives under the precondition of limited financial means. In rural areas, young people who do not have a car are either dependent on their parental motor pool or on the poor public transport. In these circumstances, the car is frequently considered to be the only alternative to be mobile.

However, the general trend of young people “Getting away from the car” could not be confirmed by this study. That is why the decision-makers should not rely on a quasi-automatic change of the mobility behaviour of the next generation. So, incentive programs making the use of cars more attractive in comparison to owning a car are required.

► Contact: [rene.zimmer@ufu.de](mailto:rene.zimmer@ufu.de) • Term: from 10/2010 ♦ UfU’s own project

## > KORINA 2 “PREVENTATIVE MEASURES, FURTHER DEVELOPMENT OF THE EARLY WARNING SYSTEM AND DEVELOPMENT AND IMPLEMENTATION OF MEASURES AGAINST INVASIVE NEOPHYTES IN SELECTED NATURE RESERVES OF SAXONY-ANHALT”

Non-domestic species of plants spread in nature reserves not only in Saxony-Anhalt. We speak of “invasive species” as they have negative effects on domestic habitats or species. Control measures are frequently carried out only once and are implemented by volunteers. These important individual activities have to be connected to achieve permanent effects of the control measures. This is done by the “Koordinationsstelle Invasive Neophyten in Schutzgebieten Sachsen-Anhalts beim UfU e.V.” (Coordination Centre for Invasive Neophytes in Nature reserves of Saxony-Anhalt at the UfU) - KORINA for short. Neophyte management in nature reserves of Saxony-Anhalt has been coordinated by KORINA since 2010. Information on invasive neophytes is summed up in the information system at [www.korina.info](http://www.korina.info). The information is processed and neophytes are assessed regarding their effects in a black list. The Coordination Centre gives advice on the effects of invasive neophytes and what can be done to control them. Thereby the public and especially small gardeners and property owners, who often enough are causing the problem, but also farmers and staff of authorities are contacted. Thus, by this citizen science instrument, citizens are included in the process of registering invasive plants and granted the possibility to actively participate in the protection and conservation of their environment and the nature surrounding them.

KORINA is the only project throughout the country working in this way. As the staff of KORINA has been successful in connecting traditional and modern methods of both registering species and communication, KORINA was awarded the price “Ausgewählter Ort im Land der Ideen 2012” (Landmark in the Land of Ideas 2012).

► Contact: [katrin.schneider@ufu.de](mailto:katrin.schneider@ufu.de) • Term: 10/2011 - 09/2013

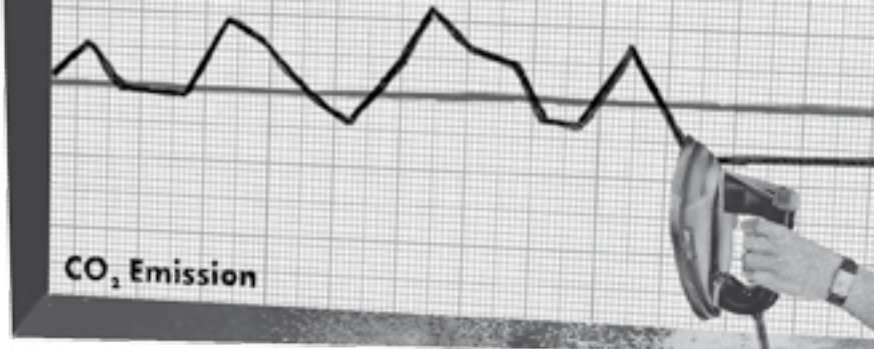
♦ European Agricultural Fund for the Development of the Rural Area in Saxony-Anhalt 2007-2013

KATRIN SCHNEIDER: “Working at UfU I can combine my special knowledge as a biologist with my engagement in environmental protection and my interest in people.”



DR. RENÉ ZIMMER:

"I am convinced that an exact analysis and tailored offers to participate are key to a constructive togetherness in our society. I try to put this into practice."



» UfU is an important interpreter and a bridge between specialist circles and citizens for the "National Hydrogen and Fuel Cell Technology Innovation Programme (NIP)". It is an outstanding speciality of UfU to state clearly what people think and wish and to impart what engineers and technicians have devised and developed. Thus, the citizens' conference on hydrogen cars in the framework of the HyTrust project was a highlight of acceptance research in this field.

« Dr. Klaus Bonhoff, Manager of the Nationale Organisation Wasserstoff- und Brennstoffzellentechnologie GmbH (Hydrogen and Fuel Cell Technology Organisation Ltd.)

#### > CONFLICTS IN THE EXTENSION OF THE ELECTRICAL GRID: THE CASE OF THE UCKERMARK POWER LINE

In many regions of Germany, there is public protest against the construction of new high-voltage and extra-high voltage overhead lines. A study of UfU aimed at investigating the example of the 380 kV line Bertikow-Neuenhagen, the so-called Uckermark line, examined why citizens on the local level were protesting against the construction of new overhead lines. Interviews with the relevant stakeholders and an analysis of the information provided by the regional press were carried out.

The study could show that the protests were about the issues of the necessity and way of the extension of the grid, but also of the participation of the citizens in the planning process. Thus, there is criticism about the limited possibilities of participation in formal planning processes, where citizens can participate only after the issue of the necessity of the grid extension and routing of the lines has been decided. In addition, the severe distrust of the local population towards the grid operator and the planning authorities impede the dialogue.

The study is part of the activities undertaken by UfU to put conflicts about the energy transition on a rational level and to find ecologically and socially compatible solutions for establishing renewable energy and extending the grid using appropriate methods of participation.

► Contact: rene.zimmer@ufu.de • Term: 2011 -2012 ♦ UfU's own project

#### > HYTRUST – ON THE WAY TO THE HYDROGEN SOCIETY

HyTrust investigates the social effects of adopting the hydrogen and fuel cell technology in the mobility sector. The project investigates whether the hydrogen technology is accepted by the population and if confidence is placed in the operators of this technology.

► Contact: rene.zimmer@ufu.de, joerg.welke@ufu.de • Term: 09/2009 - 08/2013 ♦ Sponsor: Federal Ministry of Transport, Building and Urban Development ■ Project partners: InnoZ – Innovationszentrum für Mobilität und gesellschaftlichen Wandel GmbH (Innovation Centre for Mobility and Social Change Ltd.), PIK – Potsdam-Institut für Klimafolgenforschung (Potsdam Institute for Research of Climatic Effects), ECF – European Climate Forum, Spilett new technologies, ITD – Institut für Transportation Design

#### > SITECHAR – CHARACTERISATION OF EUROPEAN CO<sub>2</sub> STORAGE

Which are the prerequisites to be provided before a company will be granted the licence for the underground storage of CO<sub>2</sub>? Guidelines for the characterisation of potential storage sites.

► Contact: marta.kaiser@ufu.de • Term: 01/2011 – 12/2013 ♦ Sponsor: 7th EU Research Framework Program ■ Project partners: ECN – Energy Research Center of the Netherlands, IFP – Energies nouvelles and others

#### > HOW WILL WE DRIVE TOMORROW? MOBILITY IN THE ENERGY TRANSITION

In this series of information and discussion events citizens are granted the opportunity to become informed on new forms of mobility, the connection between energy transition and mobility and on innovative driving concepts and to discuss them with experts.

► Contact: rene.zimmer@ufu.de, joerg.welke@ufu.de • Term: 08/2012 ♦ Sponsor: Nationale Organisation Wasserstoff- und Brennstoffzellentechnologie (National Organisation of Hydrogen and Fuel Cell Technology)

#### > TAXIS BECOME GREEN

To which extent are hybrid vehicles accepted by Berlin taxi drivers and how will it be possible to change to taxis with more environmentally friendly engines? In 2020, one million electric vehicles shall drive on German roads. The taxi fleet can help to achieve this target.

► Contact: rene.zimmer@ufu.de, joerg.welke@ufu.de • Term: 10/2011 – 12/2011 ♦ UfU's own project

#### > SYSTEM ELECTRIC VEHICLE – SCIENTIFIC AND TECHNICAL EVALUATION OF THE MEASURES RELATING TO ELECTRIC MOBILITY

The National Electric Mobility Development Plan of the Federal government (NEP) is aiming at initiating the electrification of the powertrain and sustainable mobility. With this background, several federal ministries developed 15 measures to promote electric mobility and implemented them with the help of funds from the Economic Stimulus Package II.

► Contact: rene.zimmer@ufu.de • Term: 01/2011 - 09/2011 ♦ Sponsor: Federal Ministry of Research and Technology

#### > RENEWABLE ENERGY IN CONFLICT

The planned energy transition and the implementation of renewable energy that comes along with it are widely accepted amongst the general German public. However, the consent of the citizens declines as soon as they are directly affected by the extension of renewable energy.

► Contact: rene.zimmer@ufu.de • Term: as of 09/2010 ♦ UfU's own research project

#### > ENERGY PLANT CULTIVATION AND BIOFUEL PRODUCTION IN BRAZIL – FACTS AND OPINIONS

In this project, ecological, economic and social effects of the cultivation and the use of energy plants in Brazil, the discussions resulting from them and the acceptance by the Brazilian public are investigated.

► Contact: rene.zimmer@ufu.de • Term: 05/2012 - 10/2012 ♦ UfU's own research project

#### > CHINA'S RARE EARTH ELEMENT POLICY AND ITS EFFECTS ON GERMANY, JAPAN AND THE USA

Effects of China's rare earth element policy on the three high-tech countries Germany, Japan and the USA from the viewpoint of political science.

► Contact: : rene.zimmer@ufu.de • Term: 06/2011 - 01/2012 ♦ UfU's own project

CHRISTOF LOOTZE: "As a moderator and coordinator the participation of all actors is important to me. I would like to support the various events with precise planning and creative organisation to make them successful."



# REFERENCES

GERTI SCHARP: "It drives me in my work to help also on a small scale to get climate protection moving and not only to look at great politics."

BIANCA SCHEMEL: "It is my challenge to get environmental protection out of the niche by using modern media."

MAIK BIRNBACH: "The idea drives me by my work in the UFU to contribute a bit to mainstreaming of the sustainability idea in our society in order to promote a more conscious attitude to the environment surrounding us. Not inessential: I simply like the UFU".

JULIA SEIM: "With my support the activities of the climate protection schools are communicated better, thus achieving a broader effect."

SINTJE SANDER: "It is great to fill children and young people with enthusiasm about energy subjects, for they are our future."

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- \_ Florian Kliche (2012): Film "Junge Reporter für die Umwelt", UfU e.V., Berlin
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# LECTURES



IKEN DRAEGER: "Thinking about schools in a different way, involving everybody in climate protection – that is what I as a special needs teacher would like to give to other teachers to take with them. For without courage and creativity there will be no change."

ANNABELL HORMANN: "I would like to bring the widely scattered information on the subject 'invasive neophytes' together and to arrange it clearly. Only thus will an appropriate assessment of the methods and measures be possible."

#### IKEN DRAEGER

- \_ Renewable energy as work field for young people.
- Online course for professional orientation **Workshop Early Study 2012, annual meeting GMDS (German Association for Medical Informatics, Biometry and Epidemiology) 2012 / Informatik 2012, Braunschweig, 20.09.2012**
- \_ Fit for the change? An online course for professional orientation RE – Class 9-10 **Meeting on education for sustainable development and renewable energy of ANU Renewable energy in professional practise, Hamburg, 21.02.12**
- \_ School Projects – Best Practice. Solar Support. 50/50 Energy Saving Project. Climate Competitions, ESD Leadership Training **College for Management and Design of Sustainable Development (KMGNE), Berlin, 12.10.2011**
- \_ Fair Future – The ecological footprint. School packs for teaching **Regional conference, Showing Renewable energy! 2, Potsdam, 31.05.2011**
- \_ Aprender Jugando – Juegos medioambientales en el internet **International summer university in Santiago de Chile, College for Management and Design of Sustainable Development (KMGNE), Berlin, 17.01.2011**

#### ANNABELL HORMANN

- \_ Measures against neophytes in Saxony-Anhalt **1st Seminar "Neophyte management in protected areas in Saxony-Anhalt", 15.09.2011**
- \_ Huge heracleum in Saxony-Anhalt – Spreading and measures **2nd seminar on neophyte management in protected areas in Saxony-Anhalt, 25.9.2012**

#### MARTA KAISER

- \_ Recommendations for public outreach activities in Poland **SiteChar meeting, Amsterdam, 09.09.2011**
- \_ Results of social site characterisation at the Polish site **SiteChar meeting, Amsterdam, 09.09.2011**
- \_ Results of focus conference on CCS technology in Poland **2nd SiteChar Stakeholder Workshop, London, 11.12.2012**

#### FLORIAN KLICHE

- \_ Fifty-fifty – Saving energy in schools **Regional conference "Climate protection – educational offers and materials" in Potsdam 31.05.2011 and Halle on 17.04.2012**

- \_ Public relations work in schools, fifty/fifty in Germany and young reporters for environment in Berlin **Conference – Young reporters for environment in Trencin/Slovakia, 14.-17.11.2011**

#### ULRIKE KOCH

- \_ The National Climate Protection Initiative – the Solar Support Project – Showing Renewable energy! **2 Regional conference, Bremen, 05.10.2011**
- \_ The National Climate Protection Initiative – the Solar Support Project – Showing Renewable energy! **2 Regional conference, Stuttgart, 26. April 2012**
- \_ Climate Protection – Educational offers and materials **Regional conference, Fürstenfeldbruck, 18.10.2012**
- \_ Climate Protection – Educational offers and materials **Regional conference, Bielefeld, 07.11.2012**

#### DR. DINO LAUFER

- \_ Fifty-fifty – Saving energy in schools **Regional conference of science teachers in Berlin, district centre, 23.08.2012**

#### HEIKE MÜLLER

- \_ Leuchtpol – Presentation of the Concept: Possibilities for Co-operation **Fraction of the Free Democratic Party in the Bundestag, Berlin, 28.3.12**
- \_ Education for sustainable development and science education **SFBB body of experts on science education, 26.9.12**

#### MEIKE RATHGEBER

- \_ Education for sustainable development in passing **Report on the special meeting on Food and School in Berlin, 04.-05.11.2011**
- \_ Energy management in educational establishments in Berlin/city partnership Beijing – **Berlin Symposium on the school systems in Peking and Berlin in the framework of the city partnership in the Berlin city hall, 24.09.2012**

#### DR. BIANCA SCHEMEL

- \_ Fair Future – The Ecological Footprint **School packs for teaching, regional conference, Showing RE! 2, Potsdam, 31.05.2011**

#### MALTE SCHMIDTHALS

- \_ Hearing on the European Law Adaptation Act for the promotion of renewable energy **EAG-RE Comment in the**



Thank you for your important and supporting work presenting for us laymen the partly fairly complicated bureaucratic processes and regularities in an understandable way and accompanying us. Keep it up!  
**Britt Springer, Citizens' initiative "Flood control in Buxtehude"**





... Environment Committee of the German Bundestag, 17.01.2011  
\_ Development of an energy and climate protection concept for the nature conservation area Hohe Schrecke  
Presentation at the regional management Hohe Schrecke to mayors and other actors in Kyffhäuser county  
\_ Efficiency of resources in the general education school  
Presentation at the special meeting on efficiency of resources and education of the Federal Ministry for the Environment, 09.03.2011  
\_ Saving energy by the motivation of users – success factors in the practical work with pupils and teachers  
Presentation at the Berlin Energy Days 2011, 18.05.2011  
\_ Neglected aspects in the Berlin sustainability process  
Introduction to the event Berlin chooses sustainability, by Berlin 21 e.V. 30.08.2011  
\_ Climate protection concept Hohe Schrecke  
Presentation at the annual meeting of Agenda 21 – Actors in North Thuringia in the Sustainability Centre Thuringia, Sondershausen 06.12.2011  
\_ Development of financial incentive systems for saving energy in schools – calculation of savings  
Presentation at the meeting of the Federal Association School Energy Education in Hamburg, 10.05.2012  
\_ The energy transition in everyday life – What does the school demand from society and what does society demand from the school? Introduction and participation in the discussion at the special forum during the Week of Environment at the Federal President  
\_ Do we really know what to do? - Examples of the relation between technical innovation, economic reversal, user behaviour and lifestyles  
Presentation at the conference on socio-economic research “Communication – Education – Participation. Successful Ways to Climate Protection”, 30.11.2012

KATRIN SCHNEIDER

\_ Neophyte monitoring in protected areas in Saxony-Anhalt  
Spring meeting of the Botanical Association Saxony -Anhalt, 5.3.2011  
\_ Neophyte in Saxony-Anhalt: Recording, assessment and control  
Annual Meeting of NABU (Nature and biodiversity conservation union), Koethen, 23.3.2011  
\_ Measures against neophytes in Saxony-Anhalt : Results of a state-wide survey  
Spring meeting 2011 of the Nature conservation helpers of the Anhalt Bitterfeld county, 8.6.2011  
\_ Ambrosia in Saxony-Anhalt: Species, spreading and recording, potential measures  
Regional Consumer Protection Office Saxony-Anhalt, 9.6.2011  
\_ Presentation of the co-ordination agency KORINA, legal basis for applying herbicides against neophytes  
1st Seminar “Neophyte management in protected areas in Saxony-Anhalt”, 15.09.2011  
\_ Mapping of neophytes in Saxony-Anhalt: First results and request to participate!  
Spring meeting of the Botanical working group Nordharz e.V., 10.03.2012  
\_ Results of the 7th European Conference on biological invasions NEOBIOTA 2012 with reference to the neophyte management in protected areas in Saxony-Anhalt  
2nd Seminar on Neophyte management in protected areas in Saxony-Anhalt, 25.9.2012  
\_ The co-ordination agency “Invasive neophytes in pro-

tected areas in Saxony-Anhalt - KORINA”  
Meeting of Nature conservation helpers, Wittenberg county, 28.9.2012  
\_ The project Korina: Recording and combating invasive neophytes in Saxony-Anhalt. An appeal to participation  
Autumn meeting of the working group Native Orchids Saxony-Anhalt 10.11.2012  
\_ Experiences from the natural heritage project “Neophyte management in protected areas in Saxony-Anhalt”  
Workshop: Natural heritage – perspective for water protection and nature conservation investment of the German Networking Agency of Rural Areas, Kassel, 4.-5.12.2012

KORINNA SIEVERT

\_ New concepts in detail: The connection between the school & community approach and environmental and climate education  
Meeting: Communication – Education – Participation. Successful Ways to Climate Protection, Berlin, 29.-30.11.2012

FRANZISKA SPERFELD

\_ The Practice of environmental information law in Germany  
Federal Association of Energy and Water Management (BDEW) Special Committee “Drinking Water Policy”, 4.09.2012  
\_ Trends of the development of associations – The Friends of Nature Brandenburg and their environment  
Autumn workshop of the Naturefriends, 3.11.2012  
\_ Schools as actors in the energy transition  
Special meeting on climate protection in schools, 8.11.2012

ALMUTH THARAN

\_ Climate change - current issues and approaches in Germany  
Vietnamese-German media forum, 27.9.11  
\_ Consultation on organisation  
Hbs office Kiev, 11-14.10.11  
\_ From knowledge to action - empowerment in and by dealing with climate change (poster presentation)  
Planet under Pressure Conference 2012 London, 26.-29.03.2012

ALEXANDRA TRYJANOWSKI

\_ Environmental Impact Assessment – procedures, legal background, aims, instruments, role of public participation  
Seminar “Management of the Sava River Basin and the Role of the Public”, Bihac, Bosnia-Herzegovina, 16.-21.05.2011  
\_ Implementation of the water framework directive on the local level: Case study Hochrhein area  
Seminar “Management of the Sava River Basin and the Role of the Public”, Bihac, Bosnia-Herzegovina, 16.-21.05.2011  
\_ Judgment of the European Court of Justice of 12 May 2011 - Case C-115/09  
Side Event of the 4th Conference of the state parties of the Aarhus Convention, Chisinau, Moldavia, 30. 06.2011  
\_ Energy transition – motor and challenge for municipal democracy  
Meeting of the foundation Participation of the Protestant Academy Loccum “Participation of Citizens as Motor for the Municipal Development: Chances – Challenges – Approaches to Action” 14. - 16.09.2012

JÖRG WELKE

\_ Let’s go green with hydrogen! The general public’s perspective  
4th Int. Conference on Hydrogen Safety (ICHS), San Francisco, 14.09.2011  
\_ Battery and hydrogen cars! Acceptance and trust



Renewable Mobility –Mobility of Tomorrow, Dagstuhl, 13.02.2012  
\_ You have to live your change  
Kic summer school 2012, Berlin 09.08.20112  
\_ Hydrogen – Acceptance and trust  
Working group Hydrogen, Lower Saxony Land initiative, Hanover, 19. 09.2012  
\_ Hydrogen – Acceptance and trust  
Marketplace supplier, NOW/Freudenberg, Weinheim, 22.10.2012

DR. RENE ZIMMER

\_ eTrust analysis of the discourse – First results from the qualitative individual interviews  
Meeting of the social science platform, Frankfurt/M., 08.02.2011  
\_ E-Infrastructure – in the field of tension of engineering, law and user acceptance  
Meeting of the platforms Infrastructure and Regulatory Law Berlin, 24.03.2011  
\_ eTrust analysis of the discourse – Extract from the results of the qualitative individual interviews and the focus groups  
National Organisation for Hydrogen and Fuel Cell Technology, Berlin, 21.04.2011  
\_ Models and future concepts of electromobility  
Final presentation of the eTrust project, Federal Ministry of Transport, Building and Urban Development, Berlin, 25.08.2011  
\_ Trust building and raising public awareness  
SiteChar meeting, Amsterdam, 09.09.2011  
\_ Let’s go green with hydrogen! The general public’s perspective  
4th International Conference on Hydrogen Safety (ICHS), San Francisco, USA, 12.09.2011  
\_ Let’s go green with hydrogen! Results from the citizens’ conference on hydrogen mobility t-cell 2011, Stuttgart, 27.09.2011  
\_ Development of socially sustainable scenarios  
National Organisation for Hydrogen and Fuel Cell Technology, Berlin, 13.10.2011  
\_ Full steam ahead? Hydrogen technology between technological vision and public acceptance  
Low Carbon Earth Summit 2011, Dalian, China, 20.10.2011  
\_ Nano technology foodstuffs – risk for the consumers

Meeting of SIGÖL e.V., Bad Dueben, 03.11.2011  
\_ HyTrust – On the way to the hydrogen society  
NIP (National Innovation Program Hydrogen and Fuel Cell Technology) plenary meeting Berlin, 08.11.2011  
\_ Nano technology in the automobile  
Consumer congress on nanotechnology, Ministry of Rural Affairs and Consumer Protection, Stuttgart, 01.12.2011  
\_ Advancing public awareness. Results of the social site characterisation  
SiteChar – 2nd General Assembly Meeting, Warsaw, 18.01.2012  
\_ Citizens’ conferences – a well-founded way towards more participation and acceptance?  
Special meeting on power grids of the future – Energy infrastructure as educational subject, Leipzig, 29.02.2012  
\_ How to raise public awareness? The SiteChar public engagement activities  
SiteChar First Workshop Characterises a CO<sub>2</sub> storage site up to the final stage of licensing: How to get started?, Paris , 01.03.2012  
\_ Citizens supplied with electric energy – acceptance of new power lines  
Special meeting new power lines – landscape change and citizens’ participation in Brandenburg, Potsdam, 29.03.2012  
\_ Dialogue and partnership – aligning corporate interest with interests of local communities  
Conference “Responsible Energy. Projects in the energy sector – from protest through dialogue to partnership”, Polish Oil & Gas Company, Warsaw, 31.05.2012  
\_ Citizens supplied with electric energy – acceptance of the Uckermark line  
Energy tour Minister Christoffers, Eberswalde 27.06.2012  
\_ Renewable energy in conflict – local resistance against green energy projects in Germany  
International Conference of the Royal Geographic Society, Edinburgh, 05.07.2012  
\_ Importance of mobility for young people in towns and in the country  
Research forum “Mobility for All 2012 – Young and Mobile”, Vienna, 17.10.2012  
\_ The role of communication in climate change: Observations, experiences, questions  
International Conference on Com-

... munication, Education and Participation. Successful Ways to Climate Protection, Berlin, 29.11.2012  
\_ Public awareness of CCS technology 2nd SiteChar Stakeholders Workshop, London, 11.12.2012

MICHAEL ZSCHIESCHE

\_ The practise of formal citizens’ participation in environmental protection Lecture in the framework of the winter semester, Institute of Social Sciences, Chair for national affairs, TU Braunschweig, 20.01.2011  
\_ Instruments of the water law in Vietnam, Paper in the framework of the IWRM workshop on local level, environment and ecology in building, Ruhr University Bochum, 08.02.2011  
\_ Legislation on citizens’ participation in environmental protection and draft for the planning unification act of the Federal Government Closed-door meeting of the Federal Alliance Voluntary Services, Berlin, 29.03.2011  
\_ Rights of action of the environmental associations Lecture at a further training event for nature conservation experts in the state of Berlin, Nature Conservation Foundation , 19.05.2011  
\_ Citizens’ participation in planning infrastructural projects Impulse paper at a special meeting in the Alliance 90/the Green party fraction in the Bundestag, 25.05.2011  
\_ What can the formal participation of the public achieve in ecologically relevant approval procedures? Paper in the framework of the international conference of the Institute of Technology Assessment (ITA) of the Austrian Academy of Sciences (OAW): Participation in technology issue –Legitimate hope or mere illusion? Vienna, 20.06.2011  
\_ Are there sufficient opportunities for participation in our society? Example of the honorary engagement in nature conservation and environmental protection Impulse paper and moderation of a 2-day workshop at the conference of the German Nature Conservation Ring Volunteers for Nature Conservation – cross-generational and intercultural indispensable, Potsdam, 27.-28.06.2011  
\_ Nature conservation in Germany – instruments and experiences – participation of the public in nature conservation? Paper and heading of the seminar in Tai Binh, Vietnam 08.-09.08.2011  
\_ Goal-oriented and effective participation of the citizens in planning the federal transport network Workshop and closed-door meeting of the working group Expansion of the infrastructure of the SPD fraction in the Bundestag, organised by the Friedrich-Ebert Foundation, 01.09.2011  
\_ New demands for an effective citizens’ participation and legal actions Impulse paper at the meeting of UFU/Federal Government on the future of citizens’ participation, Berlin, 24.10.2011  
\_ Participation earlier, faster, better: How will that be possible? Paper at the workshop meeting Energy change – participation of the Heinrich-Boell foundation, Berlin, 28.10.2011  
\_ Participation and expansion of the network = Acceptance by citizens? Impulse paper at the discussion of the Alliance 90/The Green party fraction in the land assembly, Dresden, 02.11.2011  
\_ Participation of children and young people in climate protection Kick-Off meeting in the project meeting: Children plan the Climate, UfU, IFEU (Institute for Energy and Environmental Research), TU-Berlin, 20.01.2012  
\_ Methods of citizens’ participation Impulse paper of the working group Participation in the status conference on the socio-ecological

research in Germany, organised by German Aerospace Centre/Federal Ministry of Education and Research, Bonn, 19.03.2012  
\_ Future perspectives of information, participation of the public and protection of law Final paper at the 2nd Forum on environmental law and policy, meeting of the Protestant Academy, Hofgeismar, 10.06.2012  
\_ Development paths of the environmental organisations – new structural data and hypotheses derived Impulse paper at the workshop on transformation – strategic positioning of the environmental organisations for the change of society, workshop with managers of environmental associations, workshop of the Independent Institute for Environmental Issues (UfU), Berlin, 29.08.2012  
\_ Legal actions in nature conservation and environmental protection 4th Berlin forum “Planners’ work and citizens’ contribution, participation of the public in planning and approval procedures”, Agricultural Pension Bank, Berlin, 12.09.2012  
\_ Actual empirical investigations on the subject participation and legal actions of associations Impulse paper, 31st German Nature Conservation Day special workshop 7: Legal development and nature conservation activities, Erfurt, 20.09.2012  
\_ Effective use of environmental information rights Environmental information, by transparent actions of the administration on the way to a citizens’ society, Congress of the Ministry for the Environment, Climate and the Energy Sector, Baden-Württemberg, Stuttgart, 19.11.2012  
\_ Public participation and climate change – possibilities and limits International Conference of the Independent Institute for Environmental Issues (UfU) on issues of participation, environmental education and communication in climate protection in Berlin, 29.-30.11.2012

» The energy transition affects all of us. This community responsibility should be put into all heads from early on. That is why I explicitly support the project of UfU ‘Firmly Establish Renewable energy in Teacher Training!’  
Prof. Dr. Klaus Töpfer, Vice-Chairman of the Ethics Commission “Secure energy supply” and executive director of the Institute for Advanced Sustainability Studies reg. as-soc. IASS in Potsdam

» The conference was great. I hope that we will meet more often in future to save this planet.  
Vera Mark, participant of the UfU conference “Successful Ways to Climate Protection”

» UfU is a bridge between Vietnam and Germany in environmental protection.  
Nguyen Nam Phuong, Director of the Vietnam Environmental protection Fund

HONORARY POST

IKEN DRAEGER

Environment schools in Europe – Jury member 2011

ULRIKE KOCH

Working group for Education (AfB) in Brandenburg state

DR. DINO LAUFER

College “Microenergy systems” and “students build in Kigoma” at the TU Berlin  
Naturwissenschaftlerinnen-Initiative Verantwortung für Frieden und Zukunftsfähigkeit e.V. (Scientists’ initiative Responsibility for peace and future viability) (advisory council)

HEIKE MÜLLER

Member of the Managing Committee of ANU (Association of the environmental centres) Brandenburg Council woman for the Green Party of Biesenthal city

MEIKE RATHGEBER

Working group for education for a sustainable development in the elementary fieldverankern

MALTE SCHMIDTHALS

Member of the Managing Committee of the Federal Union School Energy Education (BU SEB) e.V. Member of the Managing Committee of Berlin 21 e.V. – Network of the Berlin Sustainability Initiatives

FRANZISKA SPERFELD

Environmental Law Alliance Worldwide (ELAW) Vice-President of the BUND Brandenburg e.V., Member of the Climate Council of Potsdam city

ALEXANDRA TRYJANOWSKI

WandelBar, Transition Town Initiative/Energy and Culture Change Movement in the Area Barnim (Foundation member, member of the core group)

MICHAEL ZSCHIESCHE

(Vice-President) German Environment Foundation (curator)





# INTERNSHIPS, DIPLOM, MASTER

## INTERNSHIPS >

### SERAJA BOCK

Environmental management,  
Justus Liebig University Giessen  
Project: 2°C Private

### BENJAMIN DOMKE

Geography, Rhineland-Westphalian University of Applied Sciences Aachen, Project: HyTrust

### ANDREAS DÖPKE

Political sciences, Philipps University Marburg  
Project: International comparison of the state of research on climate education and participation methods

### KRISTINA EBERT

Geocology, University Potsdam  
Project: Evaluation of the Water Framework Directive

### MAX GAEDTKE

Geography, Georg August University Göttingen  
Project: Investigation of Acceptance Problems in Expanding the Grid Infrastructure with the Example of the Uckermark Line

### KATHRIN GOTTSCHALK

Sociology, University Potsdam  
Projects: HyTrust, E-Trust

### SARAH KOVAC

International political management, University Bremen  
Project: Acceptance of Cultivating Energy Plants in Brazil

### CHRISTIAN KUBAT

Geography, Martin Luther University Halle, Project: Possibility of Environmental Training in and around Halle

### RAJA MITCHELL

Technical environmental protection, Technical University Berlin  
Project: Youth and Mobility

### MONIKA MULARZ-PUS-SAK

Geology, Technical University Krakau, Project: SiteChar

### RICARDA POHL

Biology, Martin-Luther University Halle  
Project: Risks in Cultivating Invasive Neophytes as Energy Plants

### ROY SCHWICHTENBERG

Historical and political sciences, Free University Berlin  
Project: 2°C Private

### BIANCA WANGEMANN

Geography, Humboldt University Berlin  
Project: Taxis Turn Green

### FABIAN STOLPE

Environmental Planner, Technical University Berlin  
Project: Series of Focus Group Talks with Pupils on Nanomaterials

### KATI PARTZSCH

Environmental Planner, Eberswalde University for Sustainable Development  
Project: Series of Focus Group Talks with Pupils on Nanomaterials

## DIPLOM/MASTER >

### CHRISTINA ANDERS

Free University Berlin, Department of Molecular Biology  
Master's thesis: "Problems of seeds, planting verges with grass" Supervisor: Dr. R. Zimmer

### JOHANNES BUSSE

Free University Berlin, Geographical Department  
Diploma thesis: "Local energy supply in change – challenges and prospects in reaching the target with 100 % renewable energy - selected communes in Brandenburg in comparison" Supervisor: Dr. René Zimmer

### ANICA DOMSCHKE

Bachelor's thesis on the subject: "The child as explorer – potential factors of influence on the explorative behaviour of children from a relation-theoretical and

resilience-oriented view"  
Supervisor: Meike Rathgeber

### KRISTINA EBERT

University Potsdam, Geoecology  
Diploma thesis: "The Water Framework Directive in Germany – acceptance by participation?" Supervisor: Dr. René Zimmer

### ANNA ERNST

Leuphana University Lüneburg, Sustainability Science  
Master's thesis: "Energy transition – a community project. An analysis of communication, co-operation and participation mechanisms for promoting sustainable planning and decision-making methods of open space solar projects" Supervisor: Dr. René Zimmer

### JULIAN GRÖGER

Free University Berlin, Research Centre for Environmental Policy  
Master's thesis: "Energy change with the financial participation of the citizens by the example of citizens' solar plants: Factors of success and the role of the municipalities" Supervisor: Dr. René Zimmer

### MARTA KAISER

Free University Berlin, Political and Social Science Department  
Master's thesis: "The importance of the CCS technology for the low-emission energy supply in Poland" Supervisor: Dr. René Zimmer  
**SARAH KLOKE**  
Free University Berlin, Otto Suhr Institute for Political Science  
Bachelor's thesis: "Problems of acceptance in expanding the grid infrastructure by the example of the Uckermark line" Supervisor: Dr. René Zimmer

### SUSANNE KOSSENDEY

Bachelor's thesis on the subject: "They only play! – The importance of playing for the development of children and possibilities

of teaching in a day nursery"  
Supervisor: Meike Rathgeber

### STEFAN KRAFT

Traineeship and bachelor's thesis on the subject: "Perception of environmental injustice by social indicators" Supervisors: Korinna Sievert, Malte Schmidthals

### SVENJA MATTES

Traineeship and diploma thesis on the subject: "Practical application of the environmental information law in Germany – empirical analysis" Supervisors: Franziska Sperfeld, Michael Zschiesche

### IRENE MÜLLER

Free University Berlin, Political Sciences  
Bachelor's thesis: "Conditions for success for energy villages" Supervisor: Dr. René Zimmer

### SABRINA ISABELL SCHMID

Business Economics and Environment, University Nürtingen-Geislingen  
Master's thesis: "Renewable energy in conflict: Case study on the acceptance of wind power plants in Baden-Württemberg" Supervisor: Dr. René Zimmer

### ANNA VATEVA

BTU Cottbus, Environmental Social Science Issues  
Master's thesis: "China's Rare-Earth Elements Policy and its Implications for Germany, Japan and the USA" Supervisor: Dr. René Zimmer

### MIRA WENZEL

Free University Berlin, Otto Suhr Institute for Political Science  
Master's thesis: "Citizens' initiatives against wind power – participation and perception of risks by the example of selected initiatives in Havelland-Fläming" Supervisor: Dr. René Zimmer

# TRAININGS

KORINNA SIEVERT: "Making the energy transition expressive – that is what I stand for. As a pedagogue it is important to me to organise educational processes in diverse ways and to go beyond the traditional methods."



JÖRG WELKE: "With my work I would like to meet people in their demands and to show them paths towards a sustainable way of life. I can do this at UfU."

## FURTHER TRAINING SEMINARS (2011 / 2012)

\_ In the data base of the Berlin state ministry for Education, Youth and Science, the UfU regularly offers further training for teaching staff on subjects relating to energy, climate protection and environment. These were the following events in 2011 and 2012:  
\_ 06.03.2012, Climate Protection and Living – Science for Class 5/6, Iken Draeger  
\_ 05.04.2011, 01.11.2011, 20.03.2012, 23.10.2012 Energy Saving in Schools, Florian Kliche  
\_ 27.09. 2011, 09.05.2012 Energy – a Subject in Colleges for Social Affairs, Meike Rathgeber  
\_ 08.11. 2012, 15.11. 2011, 13.03.2012 Public Relations at School, Almuth Tharan and Jörg Welke

## IN ADDITION

\_ 2011-2012 and ongoing, further training seminars in education for a sustainable development with the priority energy and climate for teachers in kindergartens (Leuchtpol), Heike Müller and Meike Rathgeber  
\_ 17.05.2011, Experiments with Renewable energy, Hamburg Institute for Teacher Training and School Development, Iken Draeger  
\_ 18.09.2011, further training for teachers on the subject sun energy in the framework of the Children of the Sun

» You do not learn for school or teachers, but for life – okay, let's go. Saving energy in schools is an activity which should be set in motion, which you will enjoy and which does not only relieve the budget. UfU will assist you.

Jörg Bräuer, Facility Management in the administration of the district Mitte of Berlin

project. Meike Rathgeber  
\_ 02.11.2011, Global Justice and Ecological Balance; technical meeting on climate protection in schools, Korinna Sievert and Iken Draeger  
\_ 05.09.2012, Multiplicator training in the field 'Education for a Sustainable Development' in the framework of the pupils' university "Sustainability + Climate Protection", Heike Müller  
\_ 07.11.2012, Professional Orientation in Renewable energy, technical meeting on climate protection in schools  
\_ 07.11.2012 "Schools as Actors in the Energy Transition" Korinna Sievert and Franziska Sperfeld in the framework of the Technical Meeting on Climate Protection in Schools 2012

## TEACHING ASSIGNMENTS

\_ Module self-reference and world-reference in the framework of the field 'Nature and Engineering', seminar at the Catholic Technology College in the course of studies of education. WS 10/11, WS11/12 and 12/13, Meike Rathgeber  
\_ Module elementary science and engineering in the framework of the field 'Nature and Engineering', seminar and mentoring at the Catholic Technology College in the course of studies of education. SuS 11 and 12, Meike Rathgeber  
\_ Module elementary science and engineering in the framework of the field 'Nature and Engineering', seminar at the Catholic Technology College in the career-integrated course of studies of education. WS 11/12 (Meike Rathgeber)



# MODERATIONS



MEIKE RATHGEBER:  
“What drives me in my work?  
To observe small movements  
towards creative thinking with the  
wish to create.”

MARTA KAISER: “As environment  
manager I try to make subjects  
such as resource scarcity and  
energy transition understandable  
for everybody. The translation of  
expert knowledge into everyday  
knowledge is an important issue  
for me.”

**IKEN DRAEGER**

\_ 04.04.2012: Future workshop 2050. 2° Campus of WWF, Berlin

**MARTA KAISER**

\_ 25.06.2012 Information meeting – Presentation of the citizens’ vote on the CCS technology in Poland, Góra / Poland

\_ 30./31.03.2012 and 20.-22.04.2012 Focus conference - “CCS technology in Poland”, Pakoslaw / Poland

\_ 01./02.04.2011; 29./30.04.2011 and 13.-15.05.2011 Citizens’ conference “Mobile with Hydrogen” - National Organisation Hydrogen and Fuel Cell Technology , Berlin

**ULRIKE KOCH**

\_ 18.10.2012 Regional conference “Climate protection in schools and educational establishments in Bavaria (Fürstenfeldbruck)”

**HEIKE MÜLLER**

\_ 2011-2012 regular moderation in the framework of advanced training of Leuchtpol

\_ 28.10.11 Networking meetings of Leuchtpol teachers, Nennhausen

\_ 9./10.11.12 Multiplier training for environmental educators on the subjects “Early Pedagogics and Education for a Sustainable Development”, Buckow

\_ 30.11.12 Multiplier training on the subject “Doing Philosophy with Children”, Potsdam

\_ 19./20.12.12 Multiplier training for Leuchtpol referees, Berlin

\_ 15.09.2012 WorldWideViews on Biodiversity, table moderator in the citizens’ conference on the subject of biodiversity in the Museum of Natural History Berlin

\_ 02.11.2012 roundtable Gross National Income in Brandenburg, moderation of the working group Educational Landscapes, Potsdam

\_ 10.11.2012 Meeting of the Protestant County Synod Barnim, moderation of the special departments and roundtable discussion “Brandenburg Energy Strategy 2030” guests Ralf Christoffers, Brandenburg minister of economic affairs and Karl-Ludwig Böttcher, manager of the League of towns and municipalities Lobetal

**MEIKE RATHGEBER**

\_ 2011-2012, Moderation of the working group “Education

for a Sustainable Development in Day Care Centres and Education of Teachers” (regularly every 2 months)

\_ 25.05.2011 10 a.m. to 4 p.m. in Halle (Saale): Moderation of the special meeting: “Thinking of Great Things with Little Children”, children talking about the world, in the Leuchtpol advanced training series for teachers in Berlin, Brandenburg and Saxony-Anhalt

\_ 08.06.2012: Moderation of the team day of the consultation day care centre “Day Care Centre at Seeberg” in Kleinmachnow

\_ 2011-2012 regularly, moderation in the framework of advanced training by Leuchtpol

**MALTE SCHMIDTHALS**

\_ 19.09.12: Moderation of the event “Two Ways – One Target” by the association BürgerEnergie Berlin and Berliner Energietisch

\_ 24.10.12: Introductory lecture (pointing out compromise lines) and moderation of the event “How to proceed further with the current supply of Berlin?” by Berlin 21 e.V

**FRANZISKA SPERFELD**

\_ 29.08. 2012: Workshop “Transformation – Strategic Positioning of the Environmental Associations on the Change of Society” together with Michael Zschiesche

\_ 15.09.2012 WorldWideViews on Biodiversity, table moderator in the citizens’ conference on the subject biodiversity in the Museum of Natural History Berlin

\_ 29.09.2012 Special conference: Participation of Associations and Citizens – Planning Procedures and Possibilities of Participation

\_ 03.11.2012 Autumn workshop of the Friends of Nature Brandenburg on the subject Enlisting of Members and Commitment

**FABIAN STOLPE**

\_ Series of focus group talks with pupils/young people on the subject “Chances and Risks of Nanomaterials for Environment 12/2011 and 01/2012

\_ 15.09.2012 WorldWideViews on Biodiversity, table moderation at the citizens’ conference on the subject “Biodiversity in the Museum of Natural History Berlin”

**ALEXANDRA TRYJANOWSKI**

\_ Series of focus group talks with pupils/young people on the subject “Chances and Risks of Nanomaterials for

Environment 12/2011 and 01/2012

\_ 18.05.2012 Workshop “Land Recycling – Experiences and Chances – a German-Vietnamese Exchange” , Nha Trang, Vietnam

\_ Workshop “Better Participation = More Climate Protection?” in the framework of the conference “Communication, Education, Participation - Successful Ways towards Climate Protection” on November 29 and 30, 2012, Berlin

**JÖRG WELKE**

\_ 01./02.04.2011; 29./30.04.2011 and 13.-15.05.2011 citizens’ conference “Mobile with Hydrogen” – National Organisation Hydrogen and Fuel Cell Technology, Berlin

\_ 9.9.2012 Live the Change – Workshop Climate Kic summer school 2012, Berlin

\_ 22.09.2012 “How Will We Drive Tomorrow? Mobility Under the Sign of the Energy Transition” – citizens’ conference in the Urania, Berlin

\_ 29./30.11. 2012 Workshop “Climate Protection and Communication” in the framework of the Conference “Communication, Education, Participation - Successful Ways towards Climate Protection”, Berlin

**DR. RENÉ ZIMMER**

\_ 01.12.2011: Workshop: Nanotechnology in the Automobile. Consumer congress on nanotechnology, Ministry of Rural Affairs and Consumer Protection, Stuttgart

\_ 24.05.2012: Workshop: First User of Electric Mobility in Private Transport, Federal Ministry of Economy and Technology, Berlin

\_ 12.07.2012: New Networks for New Energies. Dialogue event – Your Assessment of the Network Development Plan, Berlin

\_ 15.09.2012: WorldWideViews on Biodiversity, table moderator in the citizens’ conference on the subject biodiversity in the Museum of Natural History Berlin

\_ 25.10.2012: Roundtable discussion: Do international political conferences need the participation of citizens?, Berlin

**MICHAEL ZSCHIESCHE**

\_ 27./28.06.2011: “Are there sufficient possibilities of participation in our society? Example of An honorary

engagement in Nature conservation and environmental protection” moderation of a two-day workshop at the Conference of the German Nature Conservation Ring “Freelancers for Nature Conservation – cross-generational and interculturally indispensable” on Mo/Tue, 27./28.06.2011 in Potsdam

\_ 18.10.2011: Moderation of the German-Vietnamese workshop entitled “Sustainable Soil Management – Experiences from Germany, Challenges in Vietnam” in the framework of the annual consultations between the Federal Ministry for the Environment and the Ministry of Resource Protection and Environment Vietnam. Hotel Hue/Vietnam

\_ 6.12.2011: Moderation of the focus groups in the framework of the project “Focus group talks with young people on the subject of nanotechnology in relation to environmental issues 2”, ordered by the project sponsoring organisation Jülich/Federal Ministry of Education and Research in Elmshorn

\_ 10.01.2012: Moderation of the focus group in the framework of the project “Focus group talks with young people on the subject of nanotechnology in relation to environmental issues”, ordered by the project sponsoring organisation Jülich/Federal Ministry of Education and Research in Berlin

\_ 29./30. 03.2012: Moderation of the status workshop “Future megacities, Megacities of Tomorrow”, Federal Ministry of Education and Research (BMBF) and the project sponsoring organization German Nature Conservation Ring in Berlin, Resurrection Church, Berlin

\_ 16.05.2012: Moderation of the German-Vietnamese workshop entitled “Soil Protection Regulations – Experiences from Germany and Development in Europe” in the framework of the annual consultations between the Federal Ministry for the Environment and the Ministry Resource Protection and Environment Vietnam, “Army” hotel, Hanoi

\_ 11.09.2012: Moderation of focus groups on the subject climate protection (together with Fabian Stolpe) in the framework of the seminar week of the Voluntary Ecological Year, sponsoring organisation Union of Young Volunteers Berlin, Berlin

# ADVISORY BOARD

**ROSEMARIE BENNDORF**

meteorologist, Federal Environmental Agency, member of the working group “Protection of the Earth’s Atmosphere”, founding member of UfU

**PROF. DR. JOHN BONINE**

jurist, Professor for environmental law, University Eugene, Oregon USA, founder of the Environmental Law Alliance Worldwide

**PROF. DR. KONRAD OTT**

philosopher, Chair of environmental aesthetics of the University in Greifswald, between 2000 and 2008 member of German Advisory Council on Global Change

**PROF. DR. EDMUND BRANDT**

jurist, political scientist and administrative scientist, Chair for public and administrative law

and administrative science; at the same time director of the Institute of Jurisprudence, Technical University Braunschweig

**PROF. DR. WILFRIED ENDLICHER,**

geographer, Professor for climatological research in geography and climate research at the Humboldt University Berlin

**PROF. DR. ROLF KREIBICH**

physicist and sociologist, former director and manager of the Institute for Futurology and Technology Development (IZT) Berlin

**PROF. DR. ALEXANDER SCHMIDT**

jurist, Chair of environmental and planning law, Anhalt University of Applied Sciences, Bernburg



HEINER GIERSCH:

“An essential motivation for my work is to discuss future problems with teachers in advanced training and to see how engaged they are in creating basic conditions for a sustainable education of children in their day care centres.”



SCHIRIN SHAHED: “As a geographer working in the field of environmental education and climate protection particularly the interactive co-operation with children and young people motivates me in my work.”

ADVISORY BOARD

... **PROF. EM. DR. HARTMUT GRASSL**, professor for general meteorology (1989 till 1994 and 1999 till 2005) at the University Hamburg, at the same time director of the Max Planck Institute for Meteorology, in the meantime director of the UN World Climate Research Programme in Geneva

**PROF. DR. GERHARD DE HAAN** educational scientist and sociologist, Director of the Institute for Future Studies in Education Science (institutfutur) at the Freie Universität Berlin

**DR. ARNOLD FUCHS** geologist, head of the Department of Energy, Emission Control, Waste

Management in the Ministry of Economy, Labour and Tourism of the Land Mecklenburg-Western Pomerania

**PROF. DR. HEIKE MOLITOR** cultural scientist, economic and social geographer, Professor of environmental education, Eberswalde University for Sustainable Development

**PD DR. REINHARD PIECHOCKI** microbiologist, International Academy of Nature Conservation Vilm (INA); Founder-Chairman of UfU

**PROF. DR. CHRISTIAN SCHRADER** jurist, expert of legal problems of technology development, Fulda University of Applied Sciences

**PROF. DR. HOLGER RO-GALL** economist and business teacher, professor of environmental economics, Berlin School of Economics and Law; Chairman of the Society for Sustainability, new Environmental Economics and Sustainability-Conform Environmental Law reg. assoc.; founding member of UfU


**PROF. DR. DR. H.C. UDO E. SIMONIS** researcher in environmental politics, Science Center Berlin (WZB), editorial office of the Ecology Yearbook , between 1992 and 1996 member of German Advisory Council on Global Change

**DR. CHRISTOF TANNERT** biologist, Chairman of the research group for bioethics at the Max Delbrueck Centre for Molecular Medicine, Berlin; Founder-Chairman of UfU

**PD DR. HEIKE ZIMMERMANN-TIMM** biologist, Director of the Goethe Graduate Academy, University Frankfurt am Main

CHRISTIAN VÖMEL:

“The collegial exchange between special departements and disciplines provides ever new incentives and the possibility to deal with the problems in a more profound yet also simple way.”



MEMBERSHIP

MICHAEL ZSCHIESCHE:

“Raising new questions relating to ecology, democracy and participation, developing first ideas for answers. This is worth while working in the UfU”



- ARBEITSGEMEINSCHAFT NATUR- UND UMWELTBILDUNG (ANU)
- VEREIN BERLIN 21 e.V.
- BUNDESVERBAND SCHULE, ENERGIE, BILDUNG e.V.
- DEUTSCHE UNTERNEHMENSINITIATIVE ENERGIEEFFIZIENZ DENEFF
- DEUTSCHE GESELLSCHAFT FÜR UMWELTERZIEHUNG (DGU)
- DEUTSCHER NATURSCHUTZRING (DNR)
- ECOLOGICAL RESEARCH NETWORK (Ecornet)
- FOUNDATION FOR ENVIRONMENTAL EDUCATION (FEE)
- VEREIN HAUS DER DEMOKRATIE UND MENSCHENRECHTE
- JUSTICE & ENVIRONMENT (J&E)
- KLIMA-ALLIANCE
- VERBAND FÜR EMISSIONSHANDEL
- REUSE

MANAGING BOARD

**MICHAEL ZSCHIESCHE** lawyer, economist, chairman and spokesman

**MALTE SCHMIDTHALS** environmental engineer, treasurer

**KLAUS MINDRUP** biologist, deputy managing director

**ALMUTH THARAN** linguist, deputy managing director

**ADRIAN JOHST** biologist

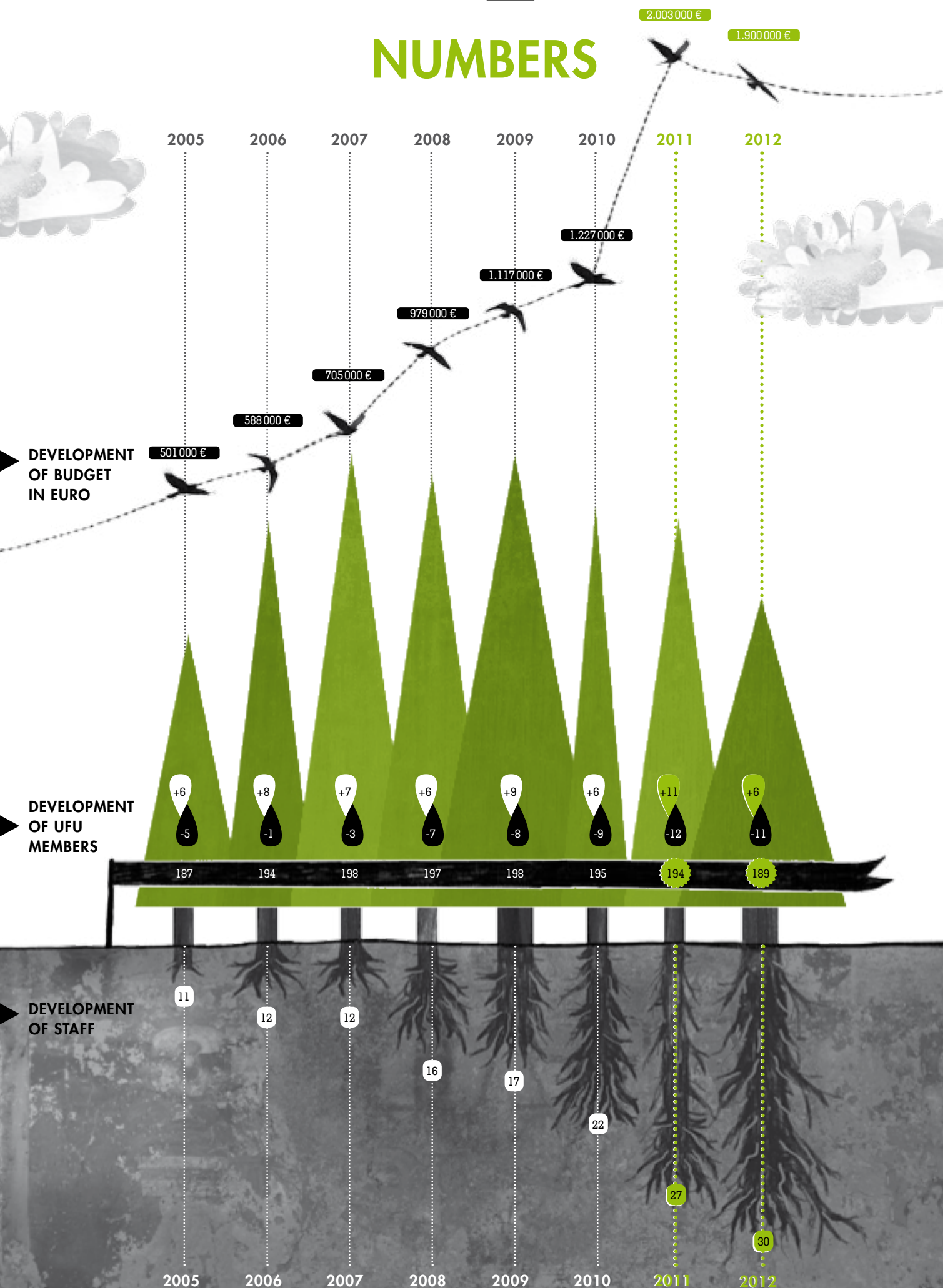
**DR. SILKE DOMASCH** historian and linguist

**JANA WEISSLEDER** graduate in business management

**KATRIN KUSCHE** teacher of German as foreign language

**CHRISTIAN VÖMEL** office clerk and trainer for commercial professions

# NUMBERS



# VISITS AT UFU

## JANUARY 2011

Haruko Abematsu, judge at the Japanese Constitutional Court in Tokyo on legal actions filed by associations in the field of environmental protection in Germany

## MARCH 2011

Kim Se-Jeong, the Korea Times (daily newspaper) on environmental protection in Germany

## AUGUST 2011

Tran Van Hung, Third Secretary of the Vietnamese Embassy in Berlin, Science and Technology Department

## NOVEMBER 2011

Prof. Dr. Jan Darpö, Uppsala University Sweden, Law Department, at the same time Chairman of the Working Group Access to Justice of the Aarhus Convention  
Li Yan, EU-China Dialogue, NGO on "Industrial Pollution & Environmental Health"

## DECEMBER 2011

Gareth Edwards, Durham University, Renewable Energies and Sustainability in Berlin

## MARCH 2012

Dr. Tran Hong Ha, Vice-Minister of Resource Protection and Environment (MONRE) Vietnam, Dr. Phan Xuan Dung, Chairman of the Science, Technology and Environment Committee of the Vietnamese National Parliament together with two further high-ranking representatives from Science and Environmental Politics

## AUGUST 2012

Prof. Isabella Franca Guerra, Mackenzie University Rio de Janeiro, professor for environmental law in Brazil

## SEPTEMBER 2012

Dao Trung Chinh, Director of the Soil Board, Ministry of Resource Protection and Environment (MONRE) Vietnam together with seven further high-ranking members of the delegation

## OCTOBER 2012

Dr. Duong Thanh An, Director of the Policy and Legislation Department of the Vietnamese Federal Environmental Agency together with six further members of the delegation

## NOVEMBER 2012

Norbert Rainer, Director of the Regional Office, Climate Pact Upper Austria  
Michaela Valentova, Institute for Environmental Politics Prague, Czech Republic

» With its studies and events Ufu is a protagonist in the field of participation and environmental protection in Germany today.

Prof. Dr. Christian Schrader, University of Applied Sciences Fulda



LARS ROTH: "I combine my participation in the work on Soko Climate with my interests in environmental education."

DAVID TORHORST: "For me, Ufu is a bridge between scientific knowledge and people. We activate relevant actors in society in the transformation project – an exciting challenge."







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Vera Mark, Malte Schmidthals, Dr. Gesa Lüdecke



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UfU conference Successful ways to climate protection, November 2012



© DAVID THORHORST

UfU director Malte Schmidthals talking with the member of the UfU advisory board Professor Wilfried Endlicher



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Dr. Dino Laufer at the UfU conference Successful ways to climate protection, November 2012



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UfU Workshop in Hanoi, Vietnam, Mai 2012 Mrs. Hoang, Mr. Lich, Prof. Dao Trung Chin, University Hanoi.



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Riccarda Pohl  
The Long Night of Sciences in Halle 2012



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Michael Schickedanz, Jana Weißleder, Michael Zschiesche, Klaus Mindrup at the UfU annual meeting 2011



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UfU Head of Department Dr. René Zimmer at the UfU Conference Successful ways to climate protection, November 2012



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UfU director Almuth Tharan moderating the UfU conference Successful ways to climate protection, November 2012

UfU annual meeting of colleagues 2012 in Wittenberg



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Our co-operation with UfU in the SiteChar Project was characterised by a co-operative spirit. We hope to continue this successful co-operation in future.

Francois Kalaydjian, Deputy Director CCS & Gas Treatment Program manager, IFP Energies nouvelles





Marlies Bock with climate-balloon at the open day of the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety 2011



Speedscience with experts at the Citizens' Conference Mobile with Hydrogen



Vietnamese Vice-Minister for Natural Resources and Environment Dr. Tran Hong Ha visiting UfU, March 2012



Workshop in Nha Trang, Vietnam, May 2012, UfU Chairman of the board Michael Zschiesche talking with Dung Do Hoang, environmental office Khan Hoa province Vietnam



Member of UfU advisory board Prof. Hartmut Graßl at the UfU regional conference 2011



Katrin Schneider field mapping near Halle, spring 2012



» The speed of the energy turnaround and thus its contribution to climate protection depend decisively on a growing number of citizens assisting and making demands on politics. Institutions like UfU are necessary to bring about a rapid growth of this number, to achieve that ever more people will be ready to change their life style towards more well-being and sustainability. But we need much more such catalysts for a sustainable development.

Prof. em. Dr. Hartmut Grassl, Director at the Max-Planck Institute for Meteorology ret., Director of the UN World Climate Research Programme in Geneva. ret.



» To limit the global warming to 2°C and to develop sustainable alternatives for our energy supply the whole society should be included. Notably this is done by UfU. The Institute organizes the participation of citizens, goes to schools and day care centres, assists citizens' initiatives, thus becoming the catalyzer for climate and environmental protection.

Prof. Dr. Wilfried Endlicher, geographer, professor for climatology and climatological environmental research at the Humboldt University Berlin



VERENA GAIDA: „The UfU has expanded. It is a challenge and, at the same time, an impulse to me to hold together the whole Institute and to ensure a smooth run.“



## IMPRINT

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