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EXCELLENCE THROUGH RELEVANCE

When is research considered excellent? In Germany, research is most often seen as excellent when a publication receives top ranking in an official peer review process. Thus, excellence is of a purely scientific nature; social relevance plays, at most, a minor role in the assessment of research results.

At Ecologic Institute we take our understanding of scientific excellence a step further. Our work aims to generate results that are socially and politically relevant. In our research we seek to find solutions to current challenges, and this problem-solving power is precisely what makes it excellent. We want our research results to be applicable, valuable, and available when needed.

Scientists at Ecologic Institute think beyond the boundaries of disciplines. For example, on the path towards a sustainable society, environmental protection issues need to be integrated into agricultural and transport policy. To achieve this, we work together with potential future users from the start of each project, as we have with RADOST (Regional Adaptation Strategies for the German Baltic Sea Coast, more on pp. 12-14). Due to our cutting-edge research concept, Ecologic Institute took over coordination of this project. Our researchers are also developing solutions to challenges in Europe in six further current European research projects led by Ecologic Institute (more on p. 7). This is because we believe in excellence through relevance.

Another important aspect of our vision is that we want to share our knowledge. The knowledge and skills of our scientists should be replicable, and our methods for generating knowledge and problem-solving should also be applicable for others. Therefore, researchers at Ecologic Institute are involved in teaching in many ways, including university cooperations at home and abroad, teacher training, summer school programs, and teaching assignments.

Our outstanding staff is most certainly our greatest asset: their ideas, enthusiasm, knowledge and skills are what has enabled Ecologic Institute to continually evolve. In this brochure you will read about both top-notch research and top-notch individuals. Enjoy!

Univ.-Doz. Mag. Dr. Christine Jasch

Dr. Maria Ivanova



Univ.-Doz. Mag.

Dr. Christine Jasch
is founder and manager of
the Vienna Institute for Environmental Economics and
Management (IÖW) and a
partner at Ecologic Institute



Dr. Maria Ivanova Assistant Professor, University of Massachusetts Boston, Co-Director of the Center for Governance and Sustainability, is Senior Policy Advisor and partner at Ecologic Institute



Ecologic Institute addresses relevant sociopolitical questions of sustainability research. Research is done in multidisciplinary project teams who explore their respective issues using an inter- and transdisciplinary approach.

Our research topics include

- Interdisciplinary social-ecological research to support the transformation of our society into a sustainable community.
- Research on acceptance and governance of transformation processes as well as citizen participation at regional, national, and supranational levels.
- Assessment of the socio-economic and environmental dimensions of measures, policies, and strategies for environmental improvement.
- Assessment of the use of natural resources. Factors taken into consideration also include those influencing air, water and ground quality as well as biodiversity.

Ecologic Institute has many years of experience in the coordination of national and well as European research projects. Currently, Ecologic Institute is coordinating one of seven KLIM-ZUG projects funded by the German Federal Ministry of Education and Research (BMBF) and six EU research projects.



Economist **Max Grünig** coordinates Ecologic Institute's European Union (EU) research activities, in particular the 7th Framework Programme (FP7) and Horizon 2020



Dr. Martin Hirschnitz- Garbers is responsible for resource efficiency and the German Federal Ministry of Education and Research projects at Ecologic Institute

FUROPEAN RESEARCH PROJECTS

Ecologic Institute plays a leading role in many research projects funded by the European Union. Here are some examples.

DYNAMIX

Decoupling growth from resource use and its environmental impacts in the EU

Total funding: 2.85 million euro, consortium partners: 8

dynamix-project.eu

CECILIA2050

Combining Policy Instruments to Achieve Europe's 2050 Climate Targets Total funding: 2.79 million euros, consortium partners: 10 cecilia2050.eu

POCACITO

Post Carbon Cities of Tomorrow

Total funding: 2.49 million euros, consortium partners: 13
pocacito.eu

NetGreennetgreen-project.eu

Network for Green Economy Indicators
Total funding: 1 million euros,
consortium partners: 6

RADOST*

EFFACE*

InContext*

Further information about our research projects can be found at: ecologic.eu/eu-research

^{*} These projects will be presented in greater detail in the following pages. RADOST is a project funded by the German Ministry of Education and Research (BMBF) within the ministry's initiative KLIMZUG.



THE ART OF SUSTAINABLE LIVING

Although many EU citizens aspire towards sustainable living, little has yet changed in their actual lifestyle. How can the transition towards a sustainable society be supported at a local and individual level? This question was addressed in the project "Individuals InContext: Supportive environments for sustainable living" (InContext).

The Ecologic Institute placed a particular emphasis on citizen involvement. As a part of the project, the scientists initiated three pilot "community arenas." The "community arena" is a new method designed to encourage sustainable behavior within communities. A group comprised of researchers and citizens worked together to gain better understanding of today's pressing challenges, build a common vision of a desired future, identify concrete steps, and conduct initial ex-

periments. Scientists also observed four initiatives in Europe which have put more sustainable consumption and production models into action

Research results were present in several workshops, including panel discussions, presentations, and the participatory World Café method to address such questions as what new forms of involvement there are, how local initiatives can revolutionize policy fields such as energy, nutrition, and mobility, and what role research can play in promoting local transformation processes.

An important lesson drawn from In-Context is that change is always bound to happen. Policy can support change, but not create it. Projects are currently emerging all over Europe under a wide



range of local conditions that contribute to a societal transformation towards sustainability. To support such activities at all levels of government, policy makers should build on already existing approaches in order to create a favorable environment for long-term change.



Katharina Umpfenbach MSc is a Senior Fellow at Ecologic Institute and specializes in energy and resource efficiency policy

Individuals InContext:

Supportive Environments for Sustainable Living (InContext)

DG Research and Innovation Total funding: 1.49 million euros

Duration: October 2010 to October 2013

Consortium partners: 8 incontext-fp7.eu



ENVIRONMENTAL PROTECTION WITH CRIMINAL LAW

Have you ever thrown trash into the wrong bin? Such an action is not exactly something that would classify you as a criminal. However, it is an entirely different matter if you dump toxic materials although a distinction must be made between tossing one battery versus a truck load of hazardous waste. When exactly does environmental degradation constitute a crime? It is difficult to draw a clear line. An even trickier question is how environmental laws should be enforced. Thus it can be difficult to pinpoint the cause when rivers form a dead zone, and even more difficult to hold individuals or corporations responsible. The most difficult of all is when the act, the offenders or the environmental damage crosses national borders or is linked to organized crime.

The project EFFACE assesses the impacts of environmental crime as well as effective and feasible policy options for combatting it, with a focus on the EU. Why are such laws ignored or broken? To what extent do environmental crimes occur and what are the resulting consequences for society and nature? What practical obstacles must be overcome to enforce environmental laws within and between EU countries? EFFACE aims to find an answer to these questions as well as offer fruitful and feasible policy options for dealing more effectively with environmental crime in the FU and elsewhere in the future.





quences of environmental crime as well as options for fighting it. The aim is to develop recommendations on how the EU can approach environmental crime more effectively. Ecologic Institute coordinates the research of eleven European universities and policy institutes involved in this project.





attorney and works as a Senior Fellow in Ecologic Institute's legal team. She is currently coordinating the EFFACE research project together with Dr. Ralph Bodle

EU Action to Fight Environmental Crime (EFFACE)

DG Research and Innovation Total funding: 2.32 million euros Duration: December 2012 to March 2016 Consortsium partners: 11 efface.eu



COASTAL PROTECTION 2.0

It is important to include local residents in planning coastal protection measures and climate change does not only have negative effects - the reasons are explained by the RADOST project coordinator Prof. Dr. Grit Martinez in the following interview.

One of the main objectives of RA-DOST is the development of adaptation strategies through a dialogue between the public and actors such as local politicians. Why have you adopted this approach and how has it been put into action?

We understand that local stakeholders, that is, the communities, are exactly those who will have to deal directly with climate change as well as adopt new measures. Phenomena like storm surges, erosion and sea level rise are not exactly new – many of the regions have been battling them for centuries. Our method was to focus our research on the field of sociology and humanities and to study the social-cultural as well as political framework for acceptance and implementation of adaptation measures at a regional and local level, a completely new approach that was adopted for the first time in RADOST.

What did you study specifically?

Among other things, we questioned the residents of two coastal communities, Timmendorfer Strand in Schleswig-Holstein and Ummanz on Rügen. Our goal was to explore reasons why coastal protection measures are adopted without problems in Timmendorf whereas the citizens of Ummanz resist change.



What did you find out?

The municipality of Ummanz, located on the west side of Rügen, is a rather sparsely populated area and tourism has not yet been particularly developed. Germany's coastal protection concept – to protect houses with a dike and give up pastureland – has been understood by the citizens of Ummanz as an attack on their hard-won sense of self, as much of the land near the coast only became arable after drainage.

In the municipality of Timmendorfer Strand the citizens linked their interest in coastal protection with the desire to develop tourism in the area. The locals quickly recognized that coastal protection can bring added monetary value. A dike has been built there with cleverly designed quiet zones, walking and bike paths as well as restaurants, all of which

has clearly added value to the area. In order to successfully plan, implement, and communicate adaptation measures it is therefore of the utmost importance to know the historical, cultural, and socioeconomic development of the municipality in question and to work closely together with local stakeholders on every step in the planning process.

You also sought to bring those involved in RADOST together in a network as well as strengthen existing networks. Has this worked out well?

Yes. For example, we connected the Bay of Kiel Climate Alliance, which had just been established, with RADOST from the start. In other words, we supported the climate alliance in various activities and invited them to different venues to present how much sense networking makes. In the meantime the network of stakeholders has become

Regional Adaptation Strategies for the German Baltic Sea Coast (RADOST)

German Ministry of Education and Research (BMBF) initiative KLIMZUG

Total funding: 8.6 million euros Duration: July 2009 to June 2014 Consortium partners: 18

Consortium partners: 18 klimzug-radost.de

active in adaptation and protection on location and also supports other networks with their start-up activities. In the end. everything came together beautifully.

Which project results regarding adaptations actions have you found especially compelling?

An example would be the project in the Bay of Kiel where, among other things, it was measured how climate change can be used to increase productivity of cultivated species. It was found that mussels do not fare worse in warmer water. Adaptation of marine culture could therefore be recognized.

RADOST is ending in 2014. Will there be any follow-up projects?

The studies will be continued in several European research projects, for example, in the project Soils2Sea – Reducing nutrient loadings from agricultural soils to the Baltic Sea via groundwater and streams. a program of the Baltic Member States. In this project we will be responsible for exploring under which conditions local policymakers, who influence nutrient loading in the Baltic Sea, accept and implement reduction measures.

RADOST is mentioned as an example of toprate research on climate change in a special edition of the German magazine DIE ZEIT (October 2013). The article can be found in German on page four of the following link: files/Spitzenforschung_2013.





WELL CONNECTED

Since 2011, Ecologic Institute has been a partner in Ecornet, a network of non-university, non-profit German research institutes focusing on environmental and sustainability research. Eight institutes in transdiciplinary sustainability research have joined together to form Ecornet. These institutes take a solution orientated approach to research that is handson and goes beyond the borders of scientific disciplines. Their common mission: to create a scientific foundation for the societal transformation towards sustainability. Ecornet's special expertise is built around a wide range of subjects and methods. From the very start, actors from the world of politics, civil society, and business are included step-by-step in the institutes' research process.

The two spokespeople for Ecornet are Thomas Korbun (IÖW) and Prof. R. Andreas Kraemer (Ecologic Institute).

The following institutes are members of Ecornet:

- Ecologic Institute
- ifeu Heidelberg Institute for Energy and Environmental Research
- Institute for Ecological Economy Research (IÖW)
- Institute for Future Studies and Technology Assessment (IZT)
- ISOE The Institute for Social-Ecological Research
- Oeko-Institut Institute for Applied Ecology
- Independent Institute for Environmental Issues (UfU)
- Wuppertal Institute for Climate, Environment and Energy

For further information please visit: ecornet.eu/en



TEACHING

UNIVERSITY PARTNERSHIPS

COOPERATION WITH DUKE UNIVERSITY, DURHAM, NORTH CAROLINA







Prof. R. Andreas Kraemer, the founding and managing director of Ecologic Institute, has worked together with Duke University, Durham, North Carolina

(USA) since 1993. As Visiting Assistant Professor of Political Science und Adjunct Professor of German Studies at Duke, he considers this cooperation, which includes both research and teaching, to be very important: "Working together with one of the world's top universities gives us valuable insight. By participating in educating students at Duke University, we

are contributing to building sustainable transatlantic relationships in academia and further promoting important fields of research."

As part of the program "Duke in Berlin", students at Duke University, Davidson College and other universities can spend a semester in Berlin to advance their language skills in German and to take two elective courses in such subjects as art history, economics and political science. Prof. R. Andreas Kraemer teaches the course "Environmental Policy in Europe" and researchers at the Institute act as guest lecturers.

"The Ecologic Institute offers our students the opportunity to learn about applied environmental research. Some so enjoy their experience at the public interest nonprofit that they reurn in the future."

Prof. Dr. Stephen Nowicki

Dean and Vice Provost, Undergraduate Education











Benjamin Görlach, an environmental economist and Senior Fellow at Ecologic Institute, has been teaching the course "Economics of

Green Germany" to students at Duke and Rutgers University since 2013. The course covers a comprehensive overview of the "Energiewende", the turnaround in energy policy from an economic, legal, and political point of view.

For further information please visit: german.duke.edu/duke-in-berlin

In 2012, an additional cooperation between Ecologic Institute and Duke University began: Dr. Grit Martinez, humanities scholar and coordinator of the RADOST project (see pp. 12-14), was named an Adjunct Associate Professor at the Nicholas School of the Environment and Earth Sciences. She regularly teaches and conducts research on the sociocultural dimension of climate change at the Duke University's Marine Laboratory in Beaufort, North Carolina (USA).

For further information please visit: nicholas.duke.edu

"I am very happy about the long-lasting cooperation between the Ecologic Institute and Duke – especially because I know as a social scientist how important it is in science to cross borders and to work transdisciplinarily."

Michael K. Orbach



Professor of the Practice of Marine Affairs and Policy and Director of the Coastal Environmental Management Program in the Nicholas School of the Environment

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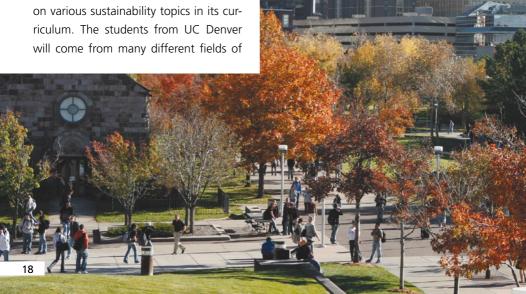


In August 2013, an agreement between the College of Liberal Arts and Science at the University of Colorado Denver (UC Denver) and Ecologic Institute

formalized the program that will send students of UC Denver to Berlin for a semester starting in September 2014. The new study program "Sustainability in Berlin" has been developed for this cooperation and includes applied research on various sustainability topics in its curriculum. The students from UC Denver will come from many different fields of

study such as architecture, economics, and political science. A further aspect of this program will be internships with a relevant environmental organization such as The Nature Conservancy.

Stephanie Wunder, Senior Fellow at Ecologic Institute, will teach a course on "The Global Ecological Crisis" as part of the cooperation she will present a Berlin-specific solution model.







An additional course will be taught by Christoph H. Stefes, Ph.D. He is a Senior Fellow at Ecologic Institute and has been Assistant Professor in the

Department of Political Science at the University of Colorado Denver College of Liberal Arts and Sciences since 2002.

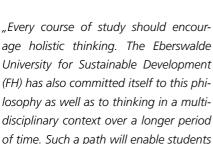
"What makes our program unique is the combination between actual coursework and an internship where students can experience first-hand what they have been learning," Stefes said about "Sustainability in Berlin".

For further information please visit: ucdenver.edu/sustainabilityinberlin



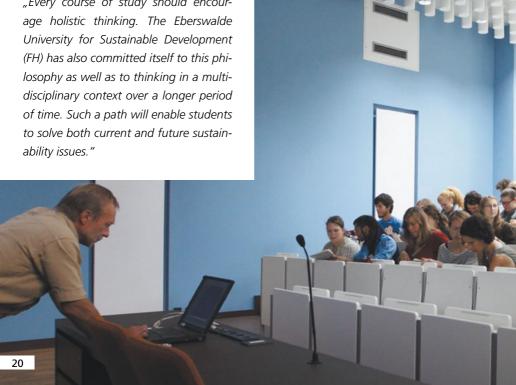


Since 2013 Ecologic Institute has been involved in teaching at the Eberswalde University for Sustainable Development (FH) – an ideal partnership, as both institutions share a common vision for a sustainable society:





Prof. Dr. Wilhelm-Günther Vahrson President of the Fberswalde University for Sustainable Development (FH)





Hochschule für nachhaltige Entwicklung (FH)

In the master's program "Strategic Sustainability Management - Management of Sustainable Transformation in Land and Resource Use" (M.A.) the combination of a cooperation with partner organizations and practice-based projects in each student's own professional field ensures a focus on problem-solving skills that can be implemented in many ways. The combination of distance learning, elearning, and on-campus learning creates a flexible program that is also ideal for students who have already embarked on their career or have family commitments. Since winter semester 2013, employees and future leaders from corporations and non-profit organizations to administration and associations have been able to expand and build on their skills in strategic sustainability in this partial distance master's program.



"A course of study should not only fill one's head with knowledge, it should also promote personal growth. Sustainable development needs

people who are believable, who have the ability to inspire while also tackling contradictions," says the head of the Human Resources Team at Ecologic Institute, Anneke von Raggamby. She is on the advisory board for the master's program "Strategic Sustainability Management" together with Prof. R. Andreas Kraemer. Von Raggamby teaches in the module "Process Competence and Reflection: Sustainability as Process".

For further information please visit: hnee de/snm





Scientists at Ecologic Institute share their knowledge through **teaching assignments**. Here is a selection of their current positions:

Ecologic Institute Fellow Elizabeth Zell-jadt teaches one of four core courses in the Master of Science program "Energy Policy and Climate" at **Johns Hopkins University** (USA). In this course she familiarizes students with market forces which can be used as solutions for environmental challenges, particularly in Zelljadt's own field of research, emissions trading systems.

Dr. Ralph Bodle, LLM, has been a lecturer at **Braunschweig University of Technology (TU Braunschweig)** since 2011. A lawyer and Senior Fellow at Ecologic Institute, he gives a lecture on "International and European Environmental Law" for the master's program Environmental Engineering that takes place every winter semester.

At Bremen University of Applied Sciences the Ecologic Institute scientists Dr. Martin Hirschnitz-Garbers and Timo Kaphengst are both lecturers for the seminar "Policy Consulting by Intermediary





Organizations", a course in the international bachelor's program Policy Management (ISPM). The seminar was designed by academic staff at the institute in 2009.

As part of the "Studium Oecologicum" (ecological studies) at the **University of Tübingen**, Tanja Srebotnjak, PhD, from Ecologic Institute holds a two-day seminar on measuring sustainability. Started in 2009, Studium Oecologicum has been designed as an interdisciplinary scientific debate on the increasingly complex glob-

al challenges of our times, which includes

climate change, social injustice, and the

increasing scarcity of resources. Trained as both an environmental statistician and a biostatistician, Srebotnjak has been a lecturer in the program since 2011.

Michael Mehling, LLM, will take over a teaching assignment on "Carbon Markets and Climate Finance" at **University** of **Strathclyde** (UK) in 2014. This module is part of the new master's program "Climate Change Law and Policy" which will start in the spring of 2014. Mehling, head of Ecologic Institute in Washington DC, is also a member of the steering committee for this new program.



EDUCATION AHOY! A Selection of Further Education Events at Ecologic Institute

Since 2009, Ecologic Institute has been bringing environmental policy decision makers from many countries and regions together for the ICAP Summer School for Emerging and Developing Countries. The participants attend a two-week training event, which has been developed and implemented in collaboration with the International Carbon Action Partnership (ICAP), where they gain an in-depth understanding of emissions trading.

The **Arctic Summer College**, a part of the Arctic Program at Ecologic Institute, is a virtual course taking place over a series of weeks that was hosted with the International Union for Conservation (IUCN), World Wildlife Fund (WWF), the Canadian Embassy, and the Center for Strategic and International Studies (CSIS). Topics addressed will be climate change and the geopolitical effect on a changing Arctic among others.

The Summer School on Environment and Sustainability, organized on behalf of the Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), aims to raise awareness of environmental policy and sustainability processes for students from Mexico. The curriculum covers both theoretical and practical aspects of biodiversity, climate change,





sustainable development, and urban mobility plans.

Ecologic Institute is also involved in teacher training. For "Anchoring Renewable Energy in Teacher Training", a project funded by the German Federal Ministry of the Environment (BMU), new tools and concepts were developed to integrate energy education into teacher training. Ecologic Institute will be involved in course development and also conducts seminars for the program.

Since 2001, Ecologic Institute's **Transat- lantic Program** has aimed to strengthen transatlantic relations in the field of environmental policy. As a part of this program, American and Canadian sci-

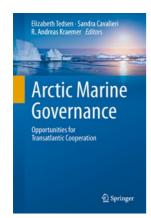
entist can, for example, be placed in internships at the Institute.

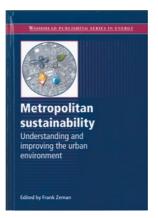
With **Post-Graduate Legal Training** positions, Ecologic Institute is able to work with emerging lawyers on interdisciplinary research projects in the fields of environmental law and policy at a national, European, and international level.

Since 2007, Ecologic Institute has also been a **Training Center** recognized by the Chamber of Commerce and Industry in Berlin (IHK Berlin). In 2010, Jennifer Reck was the first to complete an apprenticeship at Ecologic Institute as an Event Management Assistant. In 2014, Ecologic Institute took on two trainees as IT Specialists in System Integration.

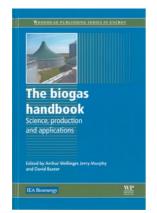


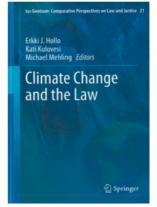


















PUBLICATIONS

Every year, the scientists at Ecologic Institute publish numerous articles in peer-reviewed journals as well as others. Furthermore, researchers publish monographs by respected scientific publishers that offer a comprehensive view of the many different current pressing issues that are the focus of research at Ecologic Institute.

For further information please visit:

ecologic.eu/book and ecologic.eu/book-section

Ecologic Institute publishes two journals on specific legal topics:





Every three months, the journal of Renewable Energy Law and Policy (RELP) provides its readers a platform for review and discussion, both in Europe and internationally, of the legal and policy issues surrounding renewable energy as well as an overview of current developments in the field. RELP also covers developments in the renewable energy sector on topics such as biogas or solar, wind, and hydropower.

Carbon & Climate Law Review (CCLR) is a quarterly English language publication on the legal aspects of climate change in an international context. The journal is intended for both practitioners as well as academics. CCLR brings together representatives from the legal discipline and other stakeholders in one specialized journal, allowing them to engage in a dynamic debate on the law of climate change.

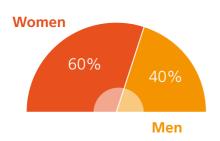
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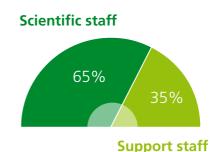
lexxion.de/en/zeitschriften/ fachzeitschriften-englisch

ECOLOGIC INSTITUTE IN NUMBERS

Staff

148 employees in total



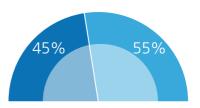


Women in leading positions



32 EU research projects

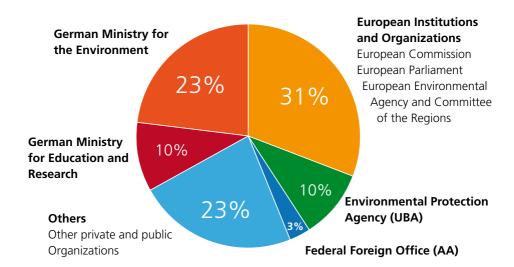
15 of 32 current EU research projects are managed by women (47%)



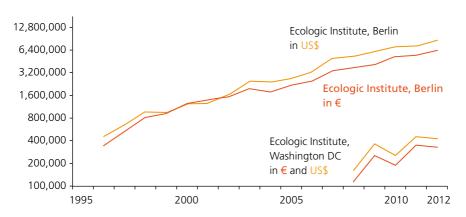
Projects in total

45 % of all current projects are managed by women

Composition of Income 2012



Value of Projects 1995 - 2012



Ecologic Institute is private, independent, non-profit research organization that is primarily financed by competitively awarded public project funds. The Institute has no endowment fund and does not receive any funding from foundations, government bodies or corporations.

For further information please visit: ecologic.eu/our-finances-ecologic-institute-eu

DID YOU KNOW?

Ecologic Institute supports future leaders

Since 2009, Ecologic Institute has acted as host for promising young scientists who were awarded a research scholarship from the Alexander von Humboldt Foundation to work at the Institute. The foundation is one of the leading German funding agencies for scientific cooperation

Christopher Moore is currently a Transatlantic Fellow at Ecologic Institute. His research focuses on how Germany has successfully avoided a water infrastructure investment gap, while simultaneously maintaining high levels of treatment and affordable user rates. The aim of Christopher's research is to draw lessons for the U.S. from Germany's positive experience in water management. Ecologic Institute also offers US Fellows of the Robert Bosch Foundation the possibility to work on research projects at the Institute. The Bosch Fellow come from such fields as business, law, and city planning. The program aims to support selected American leaders by giving them the opportunity to gain experience in the political, economic, and cultural environment in Germany and the European Union.

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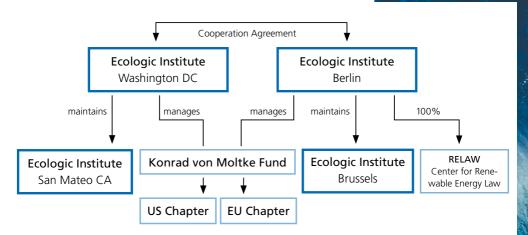
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