

SEMINARS ON SUSTAINABILITY

Seminars on biodiversity

**On the transformation of nature in the greater region
Taking stock and scenarios for the development of biodiversity
in the course of global warming and land-use changes
Public conference**

May 24-26, 2013, European Academy of Otzenhausen



*Guided tour with
Dr. Steffen Caspari*

Global warming is changing nature. The Greater Region SaarLor-Lux, encompassing Rhineland-Palatinate, Saarland, Lorraine, Luxembourg, and Wallonia, is particularly instructive in terms of current and future developments. In the landscapes along the Rhine, Nahe, Moselle, Saar, Blies, and Meuse Rivers, which enjoy warm temperatures, (sub-)Mediterranean species can spread, whereas others "seek refuge" in the cool higher-altitude areas of the Hunsrueck, Palatinate Forest, Eifel, Ardennes, and Ösling. At the same time, and to a much more dramatic extent in the short term, species and habitats are increasingly under pressure because of land-use changes: Both abandonment and intensification of land uses endanger important areas to which many species can retreat. Globalization is drastically transforming the biocenoses in our watercourses.

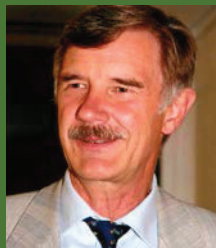
The conference was attended by just under 100 people who elaborated which plants and animals are winners and losers of the ongoing transformation even today, what the causes are in each case, and which scenarios exist for the future of nature.

Freitag, 24. Mai			
Ab 16.00 Uhr	Begrüßungskaffee		
16.45 Uhr	Eröffnung Dr. Hannes Petrischak Stiftung Forum für Verantwortung, Nonnweiler-Otzenhausen Dr. Andreas Bettinger Zentrum für Biodokumentation (LUA), Landsweiler-Reden		
17.00 Uhr	Grußwort Roland Krämer Staatssekretär, Ministerium für Umwelt und Verbraucherschutz des Saarlandes		
17.15 Uhr	Zwei Grad mehr in Deutschland – Wie der Klimawandel unseren Alltag verändern wird Dr. Bernd Sommer Wissenschaftlicher Mitarbeiter am Norbert Elias Center for Transformation Design & Research (NEC) an der Universität Flensburg		
18.00 Uhr	Klimawandel und Biodiversität – Forschungsansätze und Ergebnisse Prof. Dr. Dr. h.c. Volker Mosbrugger Direktor am Senckenberg Forschungsinstitut und Naturmuseum in Frankfurt/M., Wissenschaftlicher Koordinator des Biodiversität und Klima Forschungszentrums (BIK-F)		
18.45 Uhr	Diskussion zu beiden Vorträgen		
19.30 Uhr	Abendessen		
Samstag, 25. Mai			
09.00 Uhr	Wer kommt, wer geht? Einwanderungsrouten in die Großregion Prof. Dr. Thomas Schmitt Universität Trier, Biogeographie		
9.30 Uhr	Auswirkungen von Landnutzungs- und Klimawandel auf die Vegetationsdecke aus der Sicht des Arten- und Biotopschutzes Dr. Andreas Bettinger Zentrum für Biodokumentation (LUA), Landsweiler-Reden		
10.30 Uhr	Kaffeepause		
11.00 Uhr	Dramatischer Wandel unter Wasser – Die Veränderung der Lebensgemeinschaften in unseren Fließgewässern Steffen Potel BUND Saarland e.V.		
11.30 Uhr	Höher geht's nicht – Auswirkungen des Klimawandels auf Lebensräume und Arten in den Höhenlagen der Mittelgebirge Dr. Steffen Caspari Zentrum für Biodokumentation (LUA), Landsweiler-Reden		
12.00 Uhr	Tagfalter: Wer sind die „Gewinner“ des Klimawandels? Erwin Rennwald Lepiforum e.V., Rheinstetten		
12.30 Uhr	Mittagessen		
14.00 Uhr	Der Wandel der Heuschreckenfauna Dr. Carsten Renker Naturhistorisches Museum Mainz		
14.30 Uhr	Klimawandelauswirkungen auf Vögel - Modelle, Prognosen, Indikatoren Sven Trautmann Dachverband Deutscher Avifaunisten e.V., Münster		
15.00 Uhr	Änderungen in der Vogelfauna Südwestdeutschlands und deren Ursachen Norbert Roth Ornithologischer Beobachterring Saar		
15.30 Uhr	Zur Dynamik der Flechten-Biota: Vorwärts in die Vergangenheit Dr. Volker John Pfalzmuseum für Naturkunde, Bad Dürkheim		
16.00 Uhr	Kaffeepause		
16.30 Uhr	Neophyten - Status quo und Perspektiven Dr. Thomas Becker Universität Trier, Geobotanik		
17.00 Uhr	Der Wandel der Libellenfauna Dr. Jürgen Ott Gesellschaft für Angewandte Landschaftsökologie und Umweltplanung Dr. Ott mbH, Trippstadt		
17.30 Uhr	Modelle für den Wandel der Natur – Szenarien für die Zukunft Katharina J. Filz Universität Trier, Biogeographie		
18.00 Uhr	Resümee aus den Vorträgen Dr. Andreas Bettinger/ Dr. Hannes Petrischak		
18.30 Uhr	Abendessen		
Sonntag, 26. Mai			
09.00 bis 13.00 Uhr	Exkursionen (parallel): Hunsrück Dr. Steffen Caspari	Hammelsberg Andreas Werno, ZfB/ Dr. Andreas Bettinger	

*Excerpt from the
conference program*

**University seminars, continuing education
for teachers, lectures, publications on biodiversity**

In the spring semesters of 2010 and 2011, Dr. Hannes Petrischak taught seminars on biodiversity for students enrolled in a certificate program at the endowed chair for Sustainable Development at Saarland University. In the context of the chair's lecture series ("workshop dialogue"), an introductory lecture was given on this topic several times. The topic has always played a special role in continuing education for teachers and in working with students at schools, for example nature hikes with elementary school classes. Forum für Verantwortung was also involved in the module "biodiversity" in the certificate course "Education for sustainable development" for teachers at the BNE (Education for sustainable development) Center at the Saarland Institute for Education and Media (LPM). Lectures were also held during a teacher-student seminar of the UNESCO project schools in Saarland ("From Costa Rica to the Blies district"), in the framework of the project "Blooming Schoolyards" in Saarlouis County ("Insects visiting flowers"), and at seminars for participants in the Voluntary Year of Ecological Service (FÖJ). Public lectures were given at the International Forum at the Bergstraße Community School in Seeheim-Jugenheim, in lecture series at the Environmental Campus Birkenfeld, in the context of regional events on the topic of orchard meadows, and at the European Children's Book Fair in Saarbrücken in May, 2014.



Professor Josef H. Reichholf

Josef H. Reichholf, a zoologist, ecologist, and evolutionary biologist well-known to a broad audience, has supported Forum für Verantwortung with extremely erudite lectures filled with anecdotes on various topics at several colloquiums: "The enigma of becoming human" (Evolution, 2002), "The past thousand years—An ecological retrospective" (The future of the Earth, 2005), "Why do we have such an oversized brain?" (From evolution to sustainability, 2014). In his book "The demise of diversity" in the book series on the future of the Earth (p. 69), he emphatically describes the interconnections between meat consumption and clearing of the rain forest, between overfertilization of the landscape and the loss of birds and butterflies, but also success stories about rescuing endangered animal species. He has given numerous public lectures on this topic. In addition, he is always a well-regarded discussion partner for the foundation's team on diverse subjects centered around humankind and nature. At the conclusion of the colloquium series, his dinner speech on "Raven-black intelligence" was met with an enthusiastic response. His wife Miki Sakamoto also provides a special source of inspiration for encountering nature with her German-Japanese nature poetry.

START

STIFTUNG

Stipendien für engagierte
Schülerinnen und Schüler
mit Migrationshintergrund

START seminars

59

START is the largest German initiative to support school students with immigrant backgrounds; it teaches interested young people key qualifications for their school and professional careers as well as for active participation in society. Founded in 2002 by the not-for-profit Hertie Foundation and now implemented by the START Foundation, a not-for-profit limited company, START has been established in 14 federal states by approximately 90 cooperation partners. In Saarland, ASKO EUROPA-STIFTUNG (AES) took on coordination of the project, and the European Academy of Otzenhausen (EAO) is closely involved as well. Against the background of supporting civic engagement and the broad range of geographical and cultural origins of the young students, sustainable development is an ideal topic within the framework of the seminars offered as part of the START program. For this reason, Forum für Verantwortung, in close collaboration with the EAO and the AES, conducted several seminars at the EAO for which START scholarship recipients were recruited regionally or nationally.

Enough is enough!?—Consumption and lifestyles in the 21st century

START summer academy, April 2-6, 2013, European Academy of Otzenhausen

Directed by Petra Lauermaun and Caroline Jung, the participants learned about the impacts of our “Western” consumption of energy, water, resources, and land with their respective consequences for the Earth system.

Is the danger of epidemics growing?—Global epidemics, poverty, and development cooperation

START summer academy, July 19-24, 2010, European Academy of Otzenhausen

The starting point and basis for this seminar with participants from across Germany was the volume “The new plagues. Pandemics and poverty in a globalized world” by Prof. Stefan H. E. Kaufmann, which appeared in the book series on the future of the Earth (p. 69). The book emphasizes that under certain conditions in a globalized world, contagious diseases can spread around the globe within a few days, resulting in a pandemic. Another central topic was the problem of increasing resistance to antibiotics due to excessive use of antibiotics (also to fatten animals) and a lack of research funding in this area.

Food

START seminar, April 29-May 1, 2011, European Academy of Otzenhausen

Besides intensive examination of the question of the impacts of our diet, for example increasing meat consumption, on ecosystems and which options for action exist, the question “Genetic engineering—a tool to combat hunger?” was at the center of this seminar. Manfred Ladwig, filmmaker and environmental journalist with Südwestrundfunk (SWR, a radio and TV station), presented his films “Die Gen-Verschwörung” (“The gene conspiracy”) and “Die Hungermacher” (“The hunger makers”), talked about his research in various regions of the Earth, and provided insight into the methods of journalism.