

# Helmholtz Centre for Environmental Research (UFZ)

www.ufz.de



## WHO WE ARE

We are a leading European research centre for strategic biodiversity research and applied research to underpin policy and management. UFZ has over 1000 staff in 38 research departments, among them the Depts. Conservation Biology and Community Ecology working in EU BON. Founded in 1992, UFZ researchers study the complex interactions between humans and the environment in cultivated and damaged landscapes. The scientists develop concepts and processes to help secure the natural foundations of human life for future generations. UFZ has participated in more than 150 EU projects.

## WHAT OUR EXPERIENCE IS

We have a strong focus on interdisciplinary research involving ecologists, economists, and social scientists related to biodiversity, ecosystem functions and ecosystem services. Our team coordinated several major international research projects. We participated as WP leader in EBONE "European Biodiversity Observation Network: Design of a plan for an integrated biodiversity observing system in space and time" and other national and international monitoring projects.

## WHAT WE DO IN EU BON

Our key role will be the lead of WP4 and co-lead of WP7. In WP4 we aim at linking environment to biodiversity: analyses of patterns, processes and trends. Here we will analyse status and trends of species ranges as well as population in relation to associated drivers to derive updated scenarios on biodiversity aspects. We will also optimize monitoring designs and quantify uncertainties from different sources in our projections. In WP7 will engage in links from EU-BON to other regional (ARCTIC BON; Neotropical BON, AESEAN BON) and global BONs (GEO BON), to discussions with IPBES and other international panels (IPCC). The challenge and opportunity is to better harness our knowledge and capacity to help making more informed and effective decisions in the face of rapid and accelerating change. Another major contribution will be methodological input to WP3, namely up-scaling and downscaling techniques and enhanced methods for species distribution modelling.

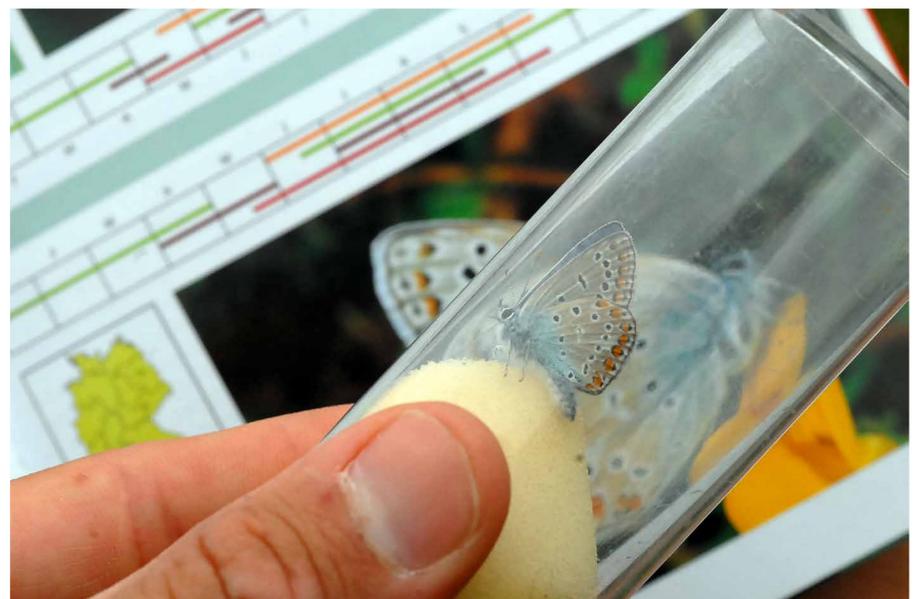


Photo: Guy Pe'er

## IN EU BON WE MAINLY CONTRIBUTE TO

- WP 3** Improving tools and methods for data analysis and interface
- WP 4 (Lead)** Link environment to biodiversity: analyses of patterns, processes and trends
- WP 7 (Co-lead)** Implementation of GEO BON: strategies and solutions at European and global levels

## WE ARE ALSO INVOLVED IN

- » SCALES
- » EuMon
- » ALARM
- » MACIS
- » LEGATO
- » ExpeER
- » BioFresh

### Klaus Henle



- » Co-coordinator of WP 4
- » Co-ordinator of EU-Projects SCALES and EuMon, with a strong emphasis on monitoring
- » Habitat fragmentation, population ecology of vertebrates,
- » monitoring of biodiversity

### Ingolf Kühn



- » Co-coordinator of WP 4
- » Co-ordinator of EU-Project MACIS and deputy co-ordinator of ALARM
- » botanist interested in biological invasions, impact of climate change, functional traits, spatial modelling

### Dirk Schmeller



- » Co-coordinator of WP7
- » Co-coordinator EuMON, member of GEOBON WG2 - terrestrial monitoring
- » biodiversity monitoring, volunteer involvement, disease ecology, population ecology of vertebrates

### Guy Pe'er



- » WP 4
- » Co-ordinator of the Israeli Butterfly Monitoring Scheme; Board member of the Society for Conservation Biology – Europe Section.
- » dispersal, connectivity, population viability, biodiversity monitoring and the links between them

### Gudrun Carl



- » WP3, WP4
- » Physicist with strong interest in spatial modelling