

## Research Project

# PCB Concentration Measurements in Fish of Switzerland and the Ecotoxicological Interpretation of Body Residues

### Project funded by own resources

**Project title** PCB Concentration Measurements in Fish of Switzerland and the Ecotoxicological Interpretation of Body Residues

**Principal Investigator(s)** [Holm, Patricia](#) ;

### Organisation / Research unit

Departement Umweltwissenschaften / Aquatische Ökologie (Holm)

**Project start** 01.01.2014

**Probable end** 31.10.2016

**Status** Completed

*To assess the exposure of fish to dioxins and polychlorinated biphenyls in Swiss water bodies, more than 1300 fish analyses data sets covering 20 years were compiled by Swiss authorities. We present body burden data of fish from the investigated sites including the newest available data. For a risk assessment, the concentrations found in Swiss fish were compared to biologically effective concentrations derived from toxicological studies from literature. For this, potentially adverse aryl hydrocarbon receptor-mediated effects in fish were evaluated causing responses with regard to induction of biotransformation enzymes, endocrine, reproductive, immunological endpoints, stress responses and histological endpoints.*

**Keywords** ecotoxicology, persistent organic pollutants, Switzerland, risk assessment, review

### Financed by

University funds

Other funds

**Add publication**

**Add documents**

**Specify cooperation partners**

ID	Kreditinhaber	Kooperationspartner	Institution	Laufzeit - von	Laufzeit - bis
3401240	Holm, Patricia	Michel, Christian, Scientific Collaborator	eawag - Swiss Federal Institute of Aquatic Science and Technology, Dübendorf	01.01.2014	31.10.2016
3401244	Holm, Patricia	Craig, Peter, Scientific Collaborator	University of Durham, Durham	01.01.2014	31.10.2016