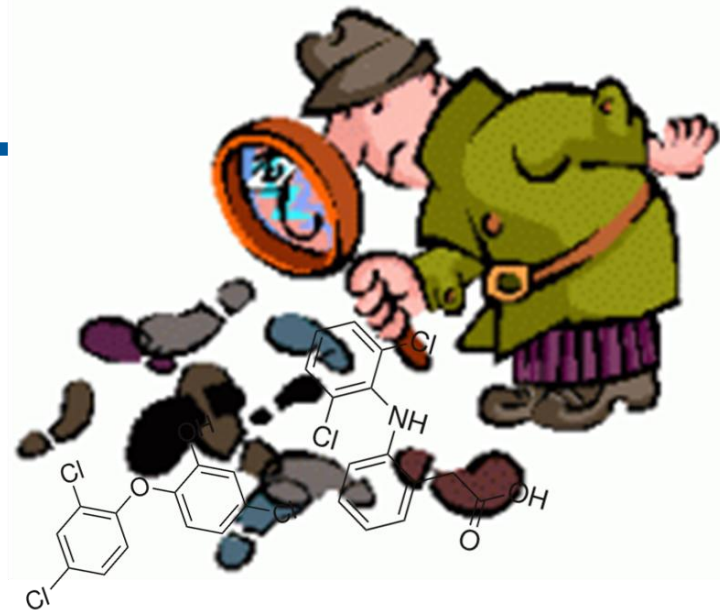
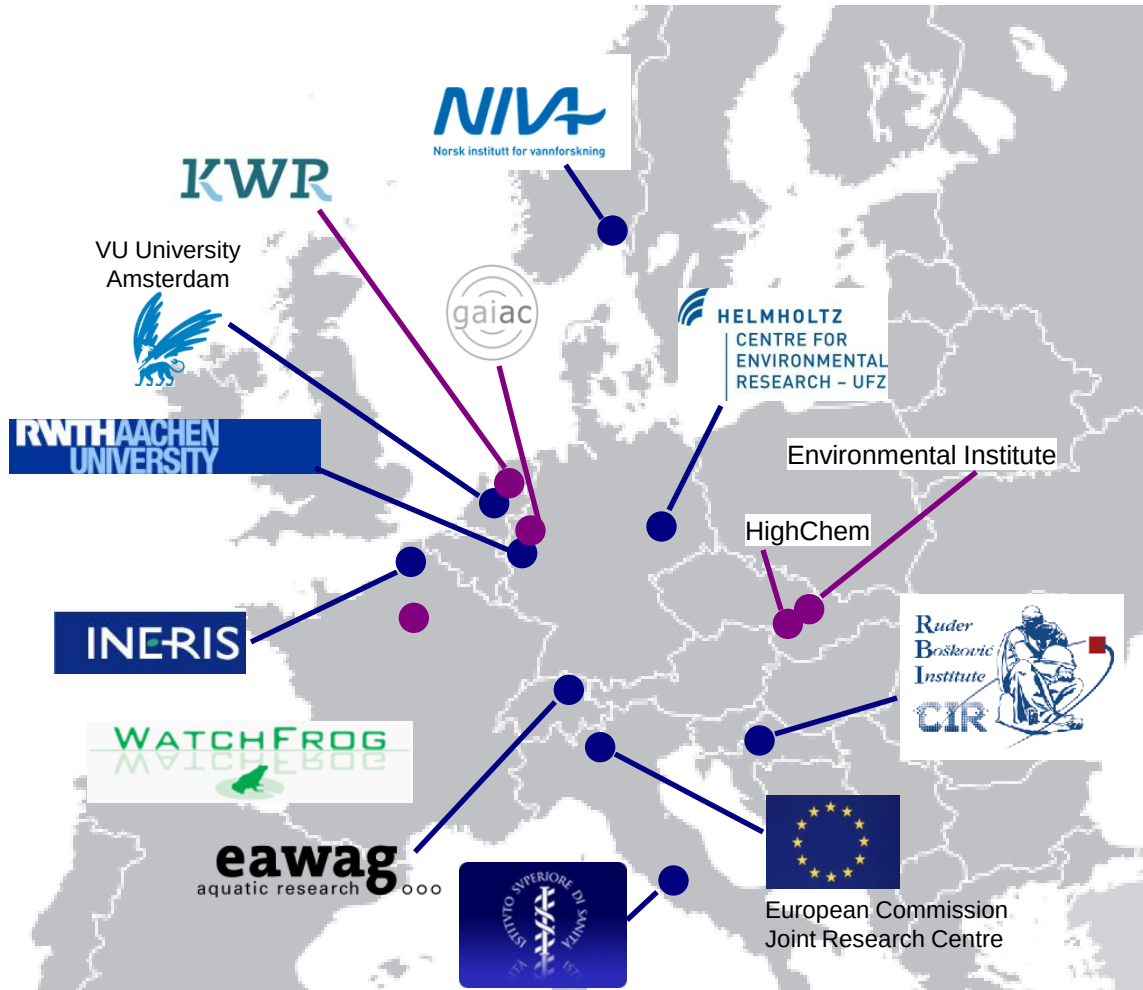


Initial Training Network (ITN)



Innovative **biodiagnosis** meets chemical **structure elucidation** – Novel tools in **effect-directed analysis** to support the identification and monitoring of **emerging toxicants** on a European scale

Objective: Provide methodology and well-trained young scientists to unravel the complexity of aquatic pollution to support EU water policies



10/2011 – 9/2015

14 partners, 7 countries

Volume: 3,749,000 €

Coordination: UFZ

Advisory board:



US EPA



Overview on Achievements:

- 13 PhD thesis (one of them ready, 12 almost ready)
- Great training programme for EDA-EMERGE ESRs and beyond
- Excellent collaboration of academia, private companies and regulators
- Focal point for EDA research in Europe



Ana Catarina getting her PhD. Congratulations!

Great training programme for EDA-EMERGE ESRs and beyond

Summer school in
Leipzig providing basic
knowledge on all EDA
relevant topics

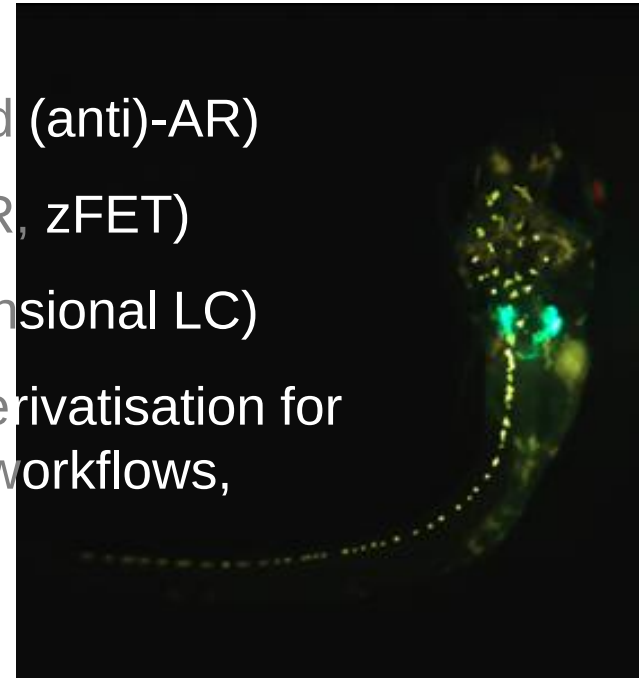
10 specialised courses
involving all partners

Many soft skill courses
including media
competence and film
course



Focal point for EDA research in Europe

- Innovative bioassays (e.g. transgenic medaka for detection of (anti)-AR)
- Bioassay miniaturisation (e.g. cell-based (anti)-AR)
- High-Throughput bioassays (AChE, TTR, zFET)
- Innovative fractionation (e.g. multi-dimensional LC)
- Novel analytical tools (e.g. diagnostic derivatisation for aromatic amines, non-target screening workflows, prioritisation of unknown TPs)



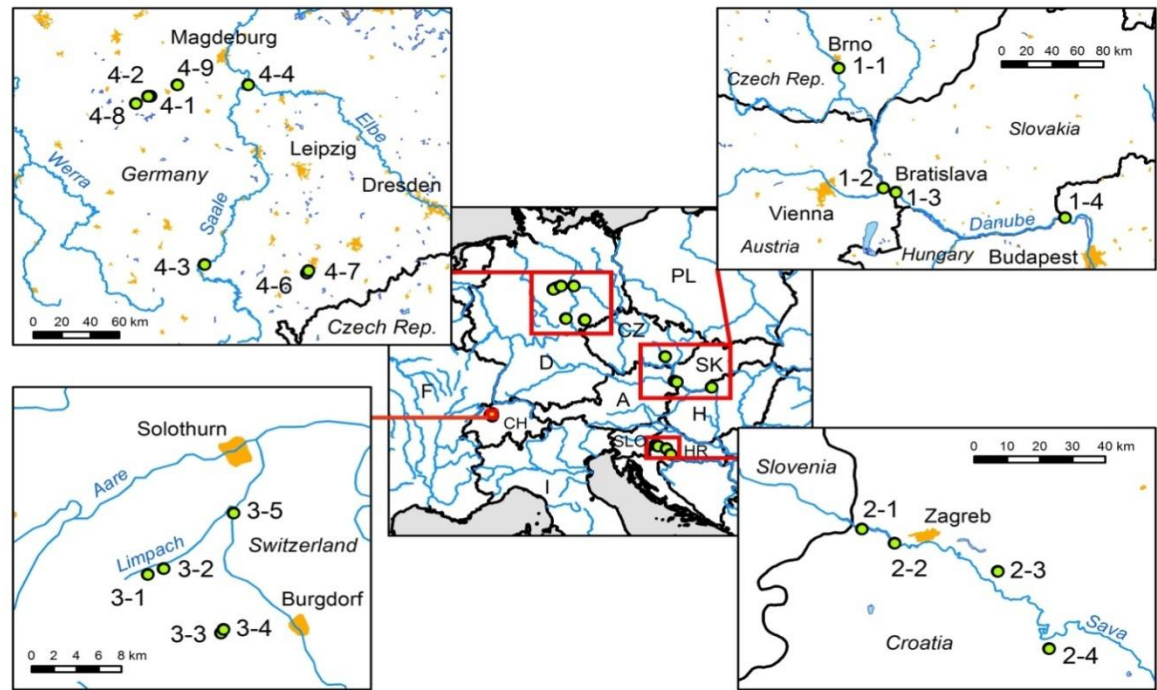


Focal point for EDA research in Europe

Development of LV-SPE/simplified EDA protocol and application in **European Demonstration Programme**

Four river basins, nine toxicological endpoints, chemical target and non-target screening

Publications in prep:
Tousova et al.
Schulze et al.



Final PhD conference Emerging pollutants and multiple stressors in aquatic ecosystems



- Involvement of relevant partner projects
- 64 PhD and master students from 21 nations and 28 institutions
- 4 Keynotes
- 4 Platform sessions chaired by PhD students
- Discussion panel on future challenges $\Rightarrow$ opinion paper



Continuation of scientific work and networking under the roof of NORMAN WG EDA

