## My work @QuantLandscapeEcology

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## My field of research is somewhere between...



... Eco(toxico-)logy, Statistics, Data analyses and Programming

## My philosophy: reproducible and open

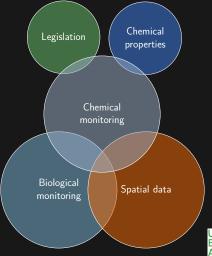
reproducible: always!

open: as much as I am allowed

#### Tools I am using and developing:



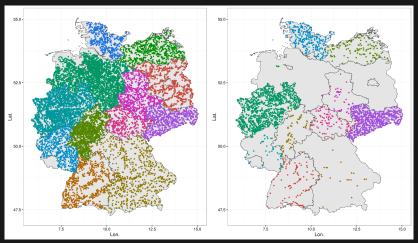
## I - Compilation of chemical monitoring data



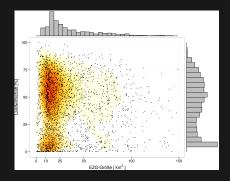


## I - Data overview

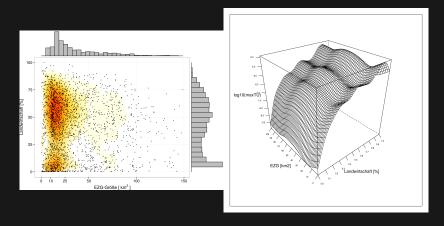
type	start*	end	no. sites	no. samples	no. variables
pesticides	2005-01-02	2015-03-25	3112	46295	491
biological	2005-01-11	2013-11-29	14211	27392	2824



### I - What do we know about small water bodies?



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Other questions / analyses are in the pipeline...

## II - Develop tools to handle such data

#### Mainly R-packages:

taxize: Cleaning and handling taxonomic data.

webchem: Search chemical information.

other: vegan-package, resolving ambiguous taxa, ...



## III - Other stuff I am working on

Field study: Organization, communication, field work, ...

Statistics:

- Methods to analyse mesocosm data
- Methods to model non-linear non-normal censored data
- ► Help out my nice colleagues

Freelance:

- ▶ in my (rare) free time...
- R Courses
- ▶ Data sourcing, cleaning & analysis

# Data in Eco(toxico)logy

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- http://edild.github.io/
- @EduardSzoecs
- https://github.com/EDiLD/talk\_work

