Organic micropollutants in sludge from STP

- What do we know

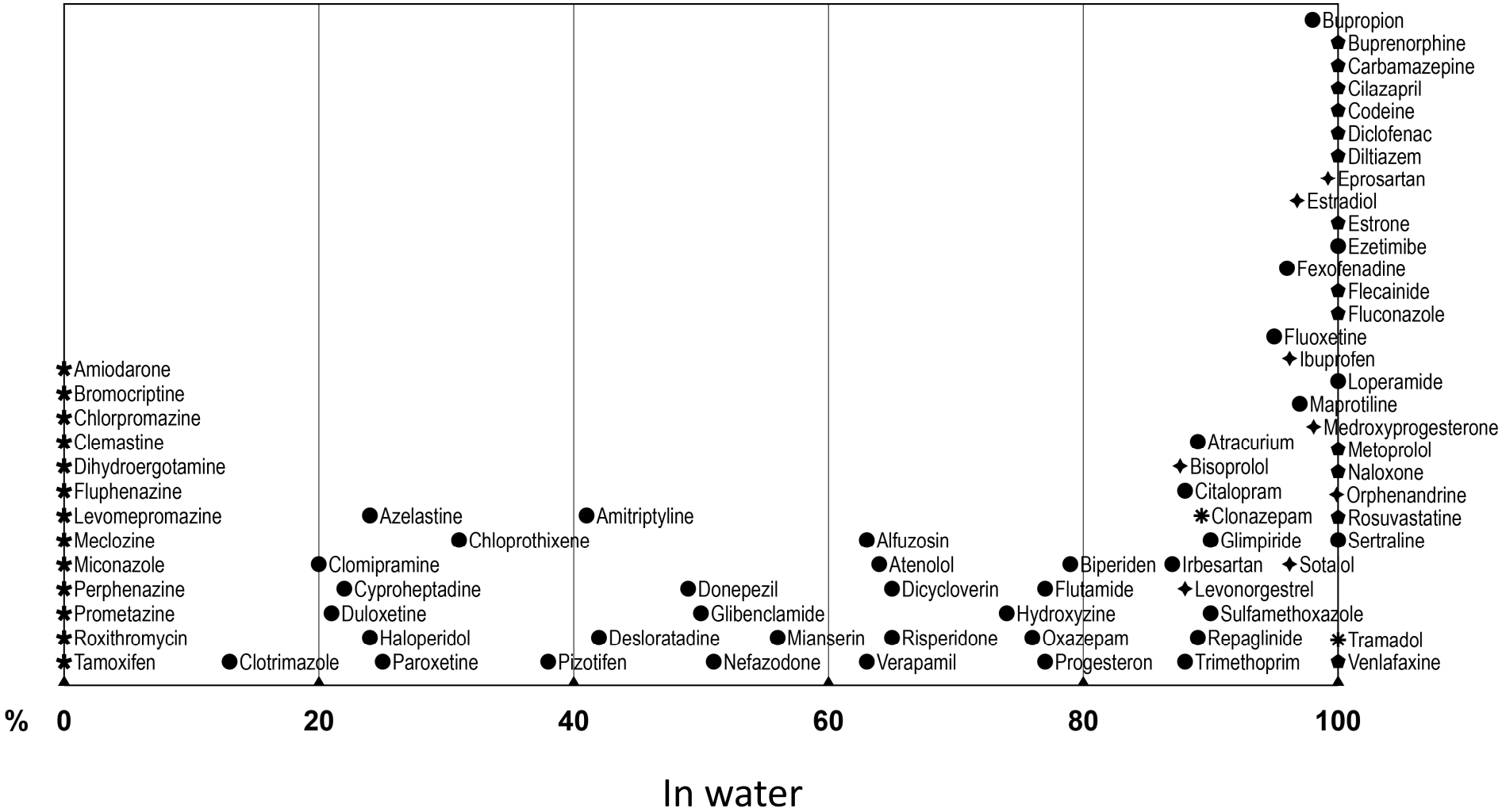
Maritha Hörsing

Organic micropollutants

Literature study

- 642 compounds measured in sludge
- 542 compounds with CAS
- 282 compounds included in an earlier data serach 2008 – 260 new compounds
- Divided in 32 groups of compounds

Pharmaceuticals



In water

Hörsing et al., 2011, Water Research

Study since 1981

- A no sludge fertilization
- B sludge fertilization 4 ton/ha
- C sludge fertilization 12 ton/ha
- 0 no mineral fertilization
- 1 half nitrogen fertilization
- 2 whole nitrogen fertilization

Sample withdrawn from:

	0	1	2
A	X		X
B	X		X
C	X		X

Suger beet

Haulm

Beet

Soil

<u>Analyses</u> of organic micropollutants in soil, beet and haulm.

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