

CZECH PHOSPHORUS PLATFORM

JINDŘICH DURAS

14-15 5.19

P

PHOSPHORUS

FOSFOR - AKTUÁLNÍ
OTÁZKY A ŘEŠENÍ

PHOSPHOR - AKTUELLE
PROBLEME UND LÖSUNGEN

Czech Phosphorus Platform, CPP

Founded in March 2017

First motivation: fight against eutrophication

Inspired by: European Sustainable Phosphorus Platform

**Main object: improve approach to the issue called
„PHOSPHORUS“**

... because we saw CZ had great debt in that field...

CPP objectives:

connect

inform

discuss

try to enter a public space

be a partner for a sphere of „decision makers“

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CZECH REPUBLIC & PHOSPHORUS

Eutrophication

still very important topic

waste waters are dominant source
of P for water ecosystems (~70%)

too soft legislation



Eutrophication

P concentrations are in WWTPs often decreased by Fe dosing, but no one P recycling technology is installed, now

some direct applications of activated sludge still persist, but new legislation is restrictive



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POVODÍ VLTAVY

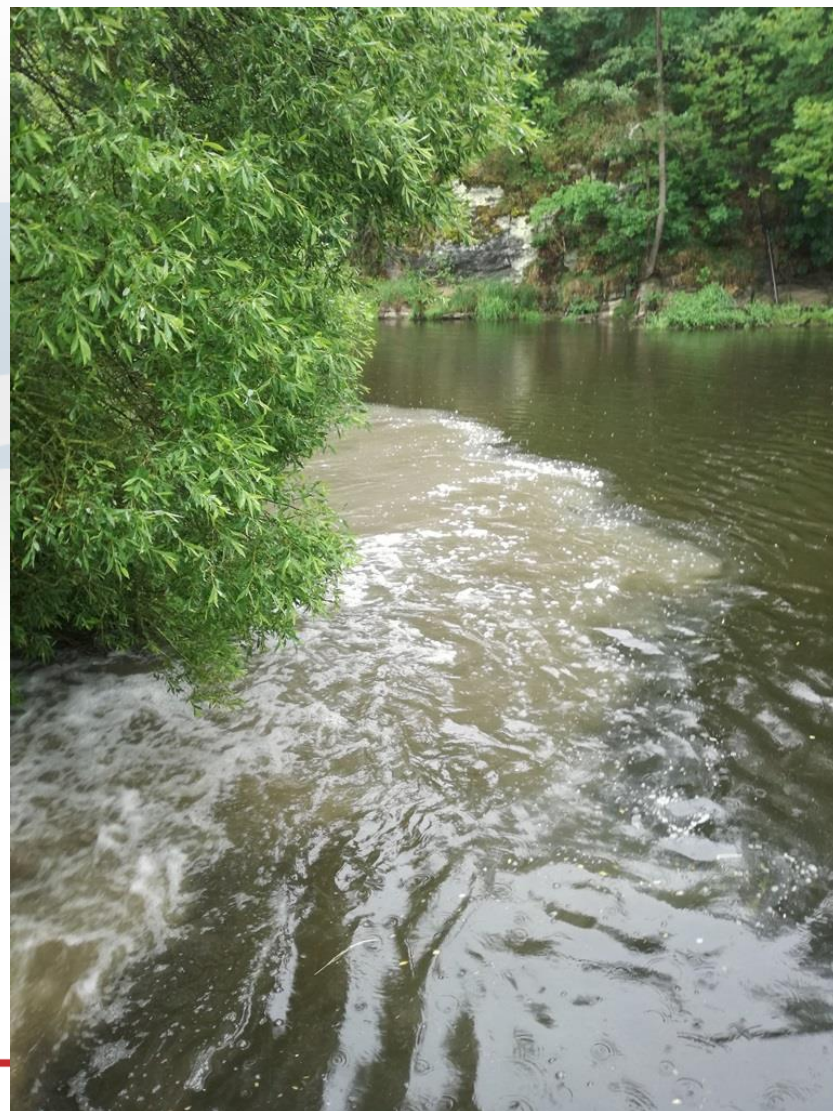
Eutrophication

**overflows from sewers => huge
epizodic emissions of all
contaminants + PHOSPHORUS**

**=> no progress with
cyanobacteriae could be
achieved without good
solutions of overflows...**



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Eutrophication



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WISE RAIN WATER MANAGEMENT

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Eutrophication

Aquaculture in fish ponds = issue waiting for system solution

~30 000 ponds

**efficient regulators of
nutrient flow in a
catchment area**



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Fish ponds



ecosystem services



good opportunity to
recycle P

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AGRICULTURE

usually not important source of P
except biogass stations, etc.

soils \pm poor in P, but it will
change

**BIG POTENTIAL TO INFLUENCE
P CYCLE**



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AGRICULTURE

**responsible for
hydromorphological
degradations of streams, i.e. for
decline of their self-purification
capacity -> P retention**



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wants to contribute to better management of P
with all its Jekyll & Hyde character



thanks for your attention