



KEY TO RESILIENT WATER BODIES

Minimally invasive soil treatment = sediment surface oxygen carpet



Biotechnical water treatment = resilient artificial lakes and ponds

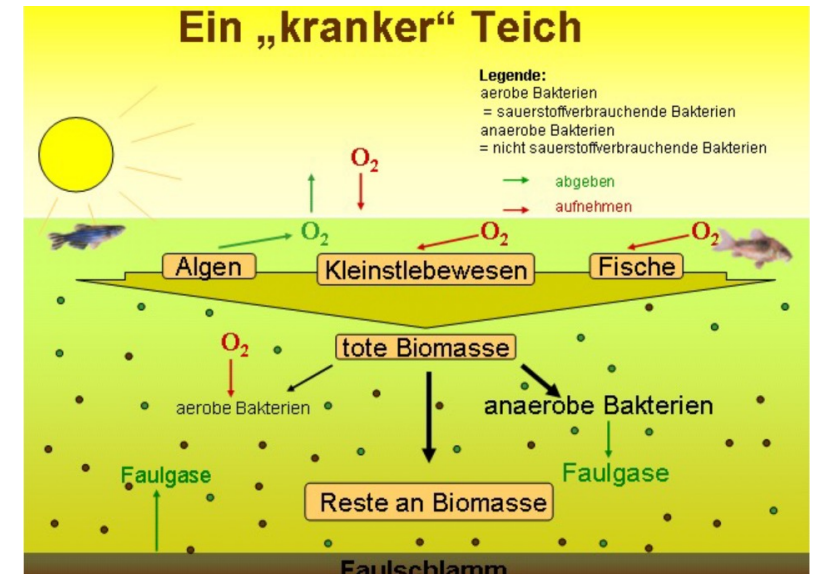
Artificial bodies of water lack a natural balance:

too many nutrients lead to problems.

Without sufficient oxygen...



- digested sludge builds up
- algae bloom / cyanobacteria appear
- plants and animals die



No life without oxygen: a sick pond

Challenge: Maintaining and preserving the blue-green infrastructure



Biotechnical water treatment = resilient artificial lakes and ponds

Artificial bodies of water have self-purification potential:

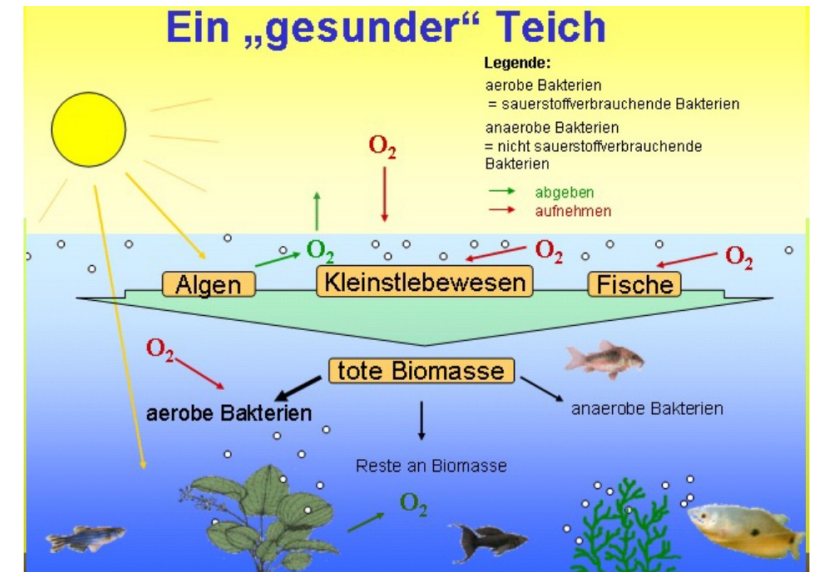
Bacteria and microorganisms live in an aerobic environment.

With sufficient oxygen...



- digested sludge is decomposed
- the water becomes clearer and algae-free
- plants and animals live in a nutrient cycle

Solution: Oxygen enrichment at the bottom of the water.

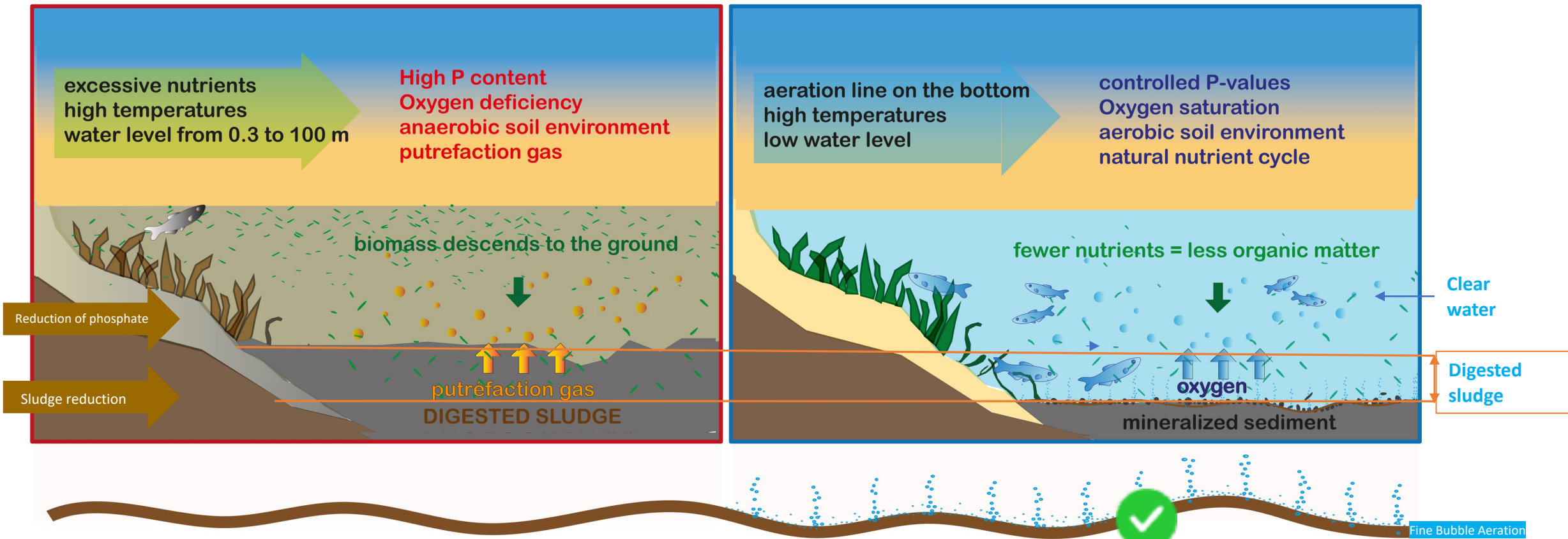


With oxygen: a healthy pond with a healthy water cycle



Biotechnical water treatment =

Drausy® linear aeration = fine bubble carpet on sediment = aerobic environment



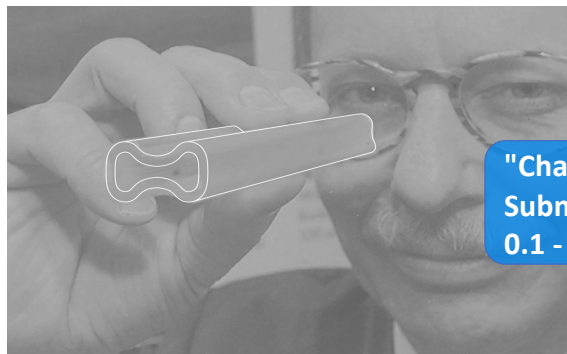


Biotechnical water treatment =

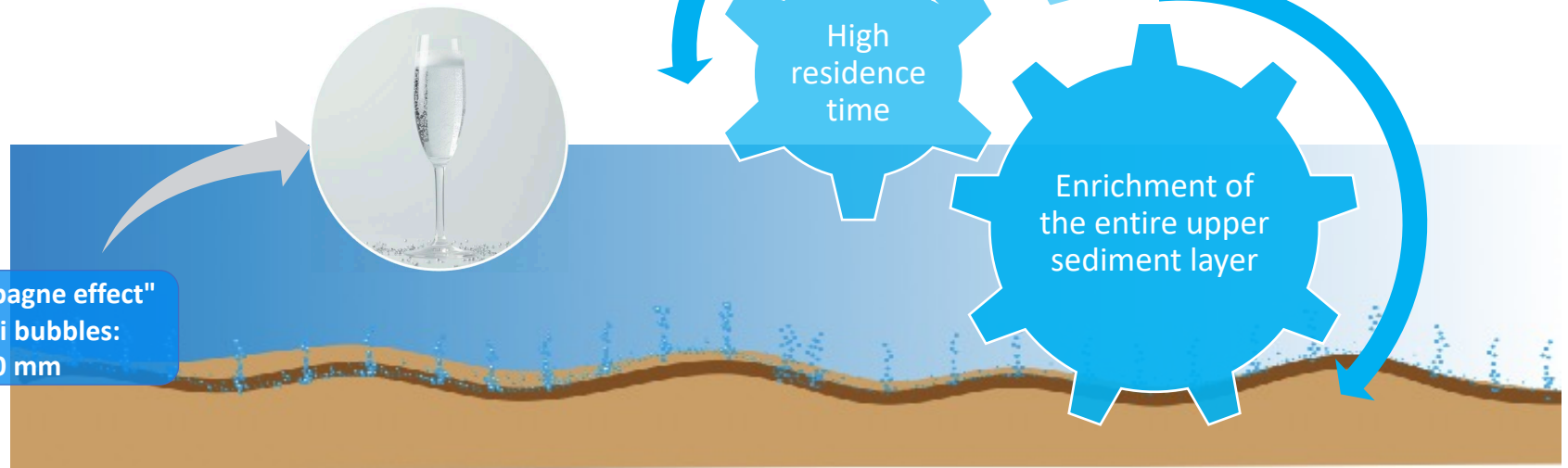
aerobic environment at the sediment boundary layer = resilient waterbody

Drausy® Professional offers...

- a long lasting nature-based maintenance solution (>20 years)
- Energy efficiency and resource protection
- Climate protection and biodiversity conservation



"Champagne effect"
Submilli bubbles:
0.1 - 1.0 mm





Biotechnical water treatment = aerobic environment at the sediment boundary layer = resilient waterbody

With sufficient oxygen...

the natural balance is triggered - metabolic processes and the food chain take effect.

Without treatment



Vor der Behandlung (07/2019)

Drausy® Linear aeration = oxygen-enriched sediment



After 1 year treatment (07/2022)

- Low energy consumption
- No sludge disposal
- No parts replacement/filter
- No chemicals
- No other additives

- Up to 10 ha on one line
- Up to 100 m depth

- ✓ Ambient air only

Your contact:



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