

26. Landschaftstag  
Wasser als (Er)lebensraum  
Magedeburg 03.November 2018

Lebende Inseln –  
schwimmende blau grüne Infrastrukturen  
für urbane Räume

Prof. Dr. Henning Günther

1. Einleitung - was sind schwimmende Inseln?
2. Anwendungen und Konflikte
3. Entwicklung lebender Inseln
4. Potenziale lebender Inseln

# Was sind schwimmende Inseln?

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## Schollener See



## Donaudelta

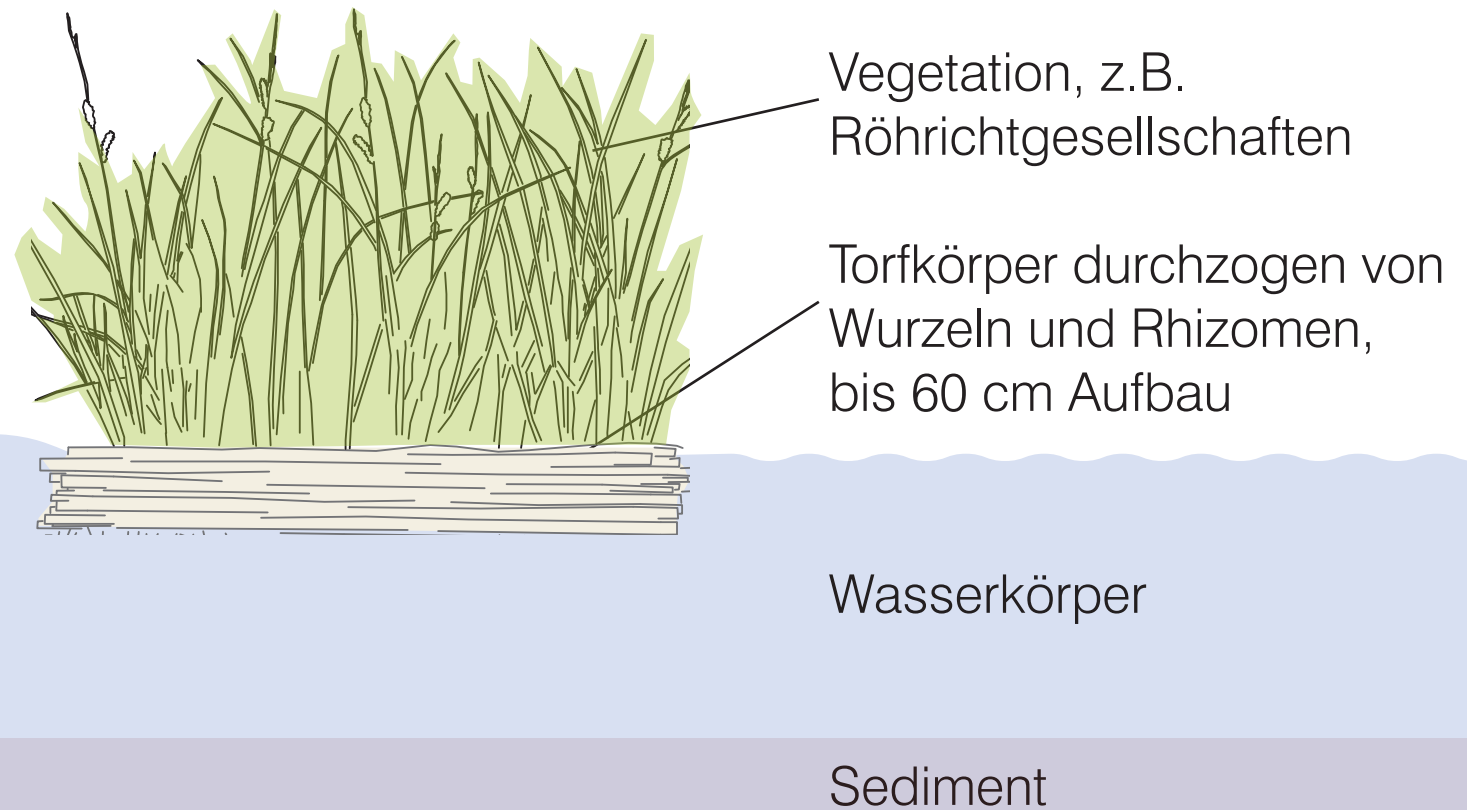


# Was sind schwimmende Inseln?



lebende Inseln

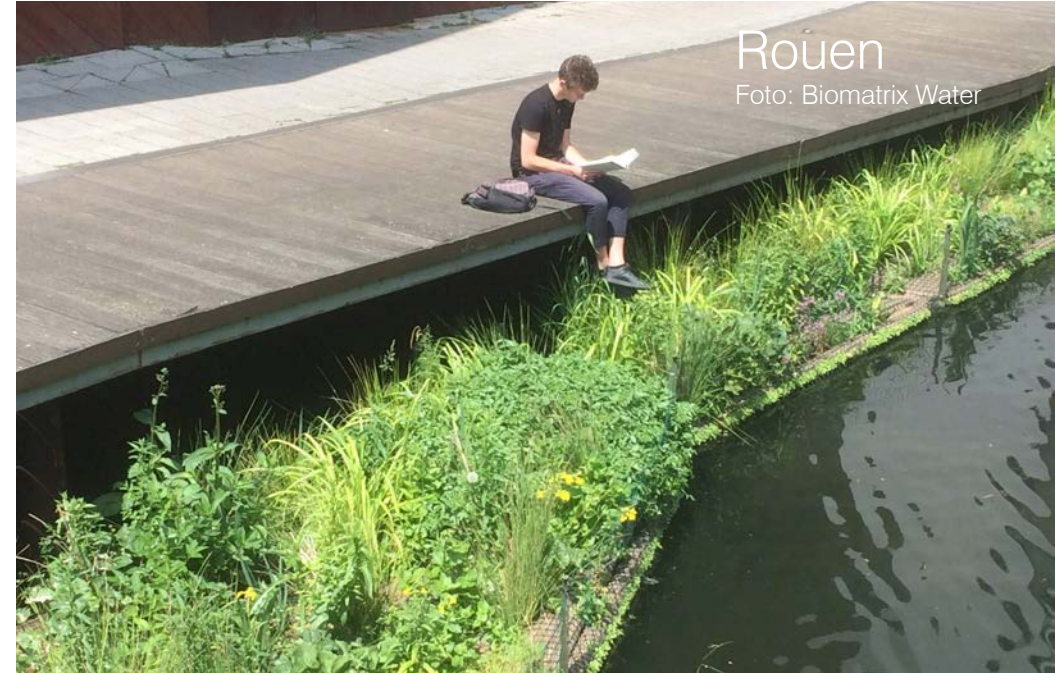
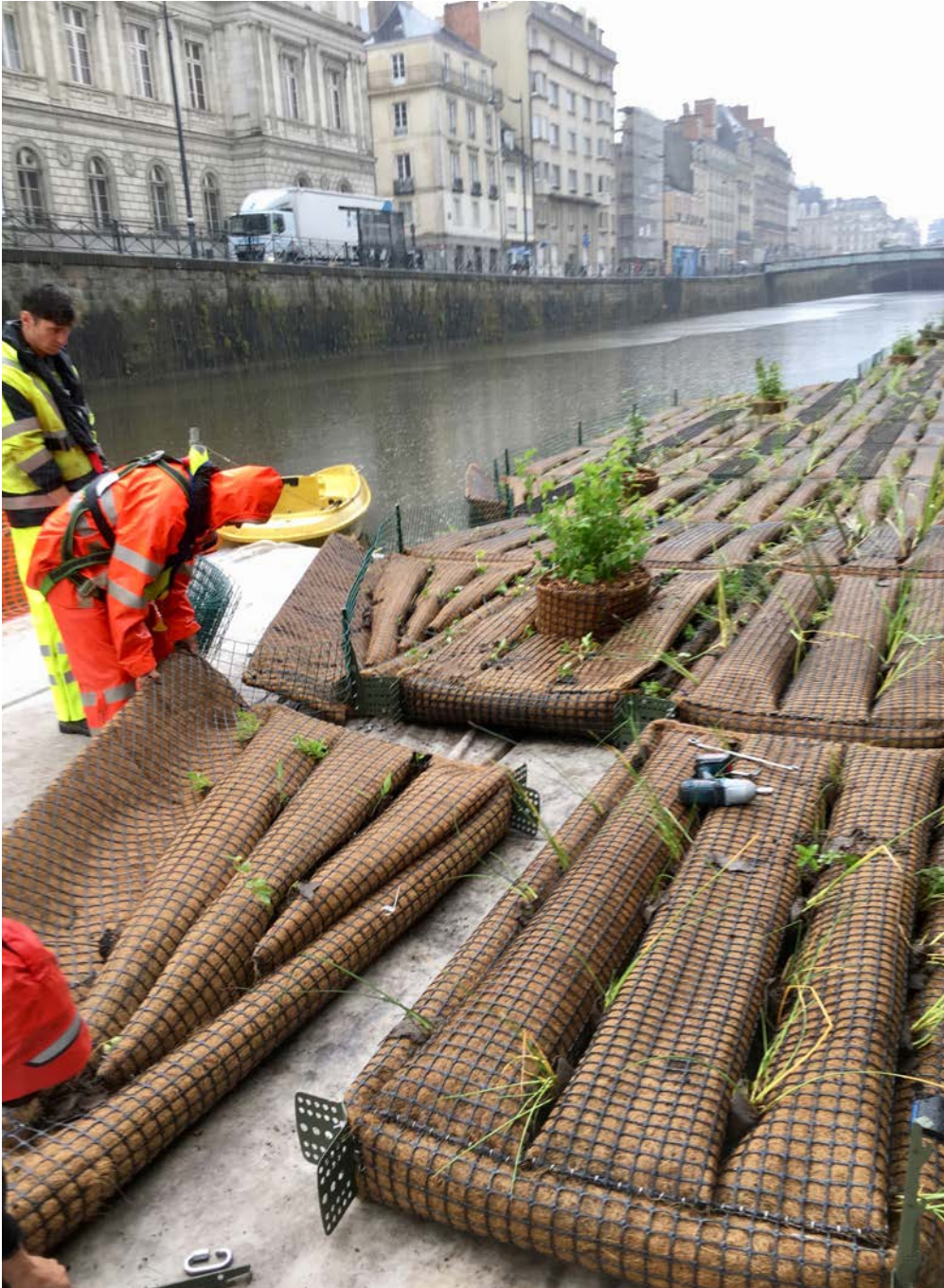
# Was sind schwimmende Inseln?





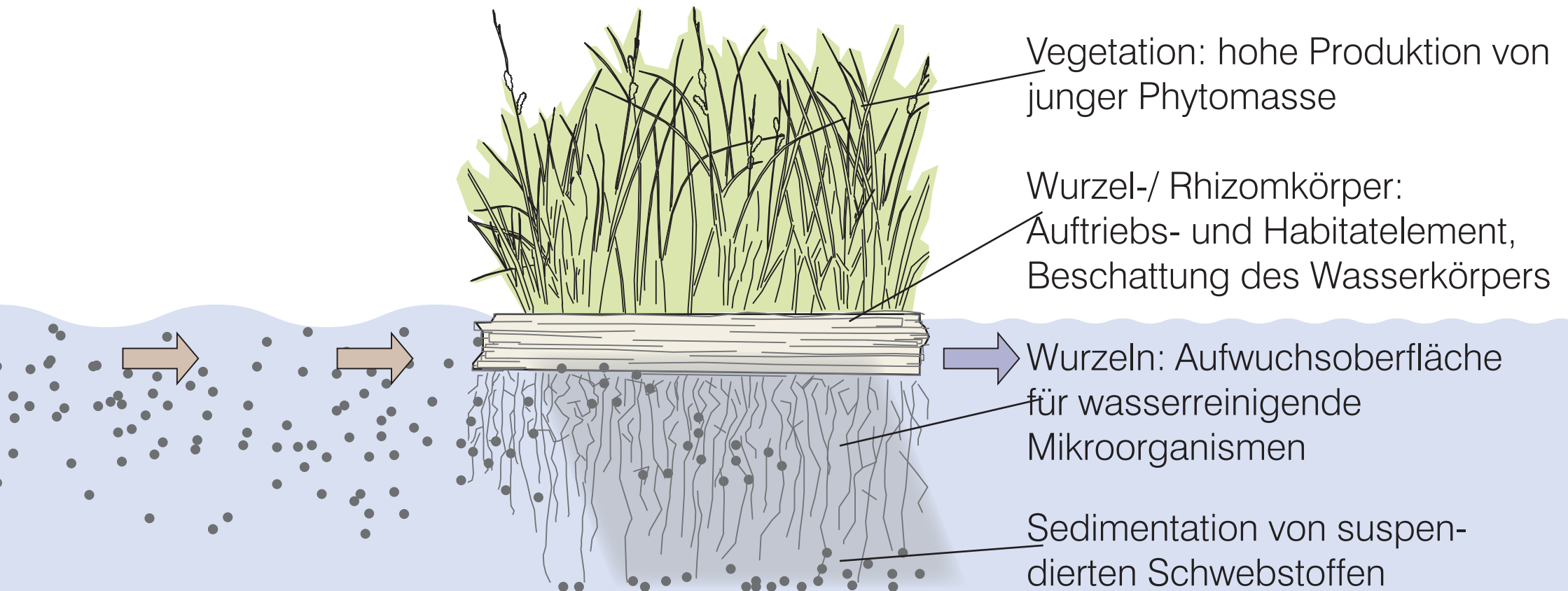


Lausitz



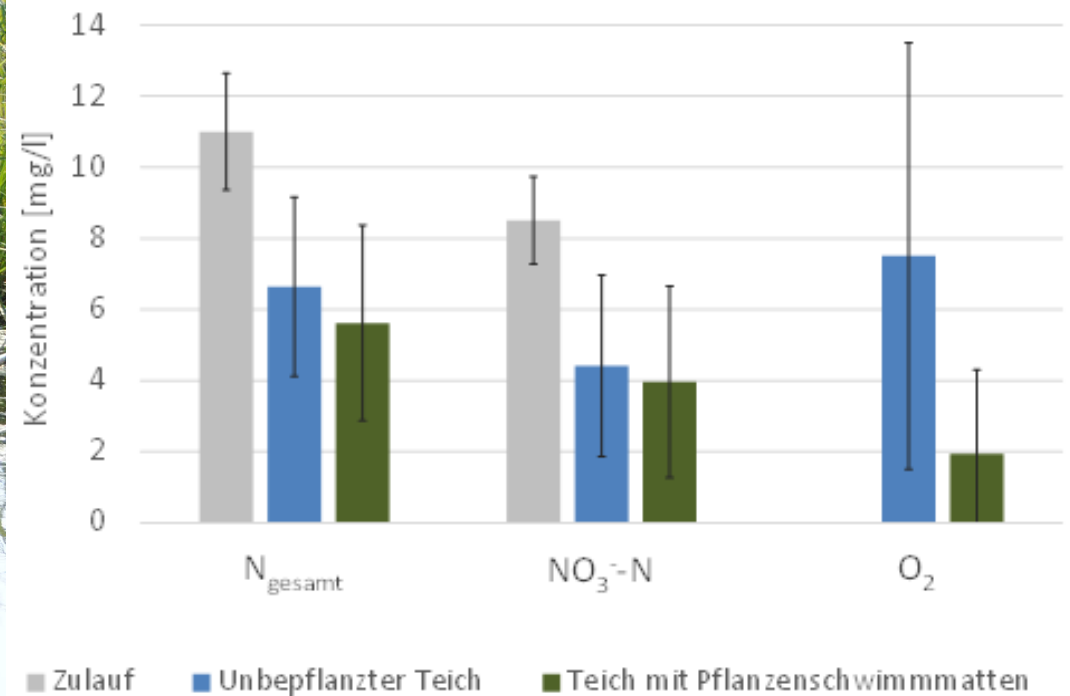
Rouen  
Foto: Biomatrix Water







## Wasserqualität



Grafik: Rühmland (Promotion in Bearbeitung)



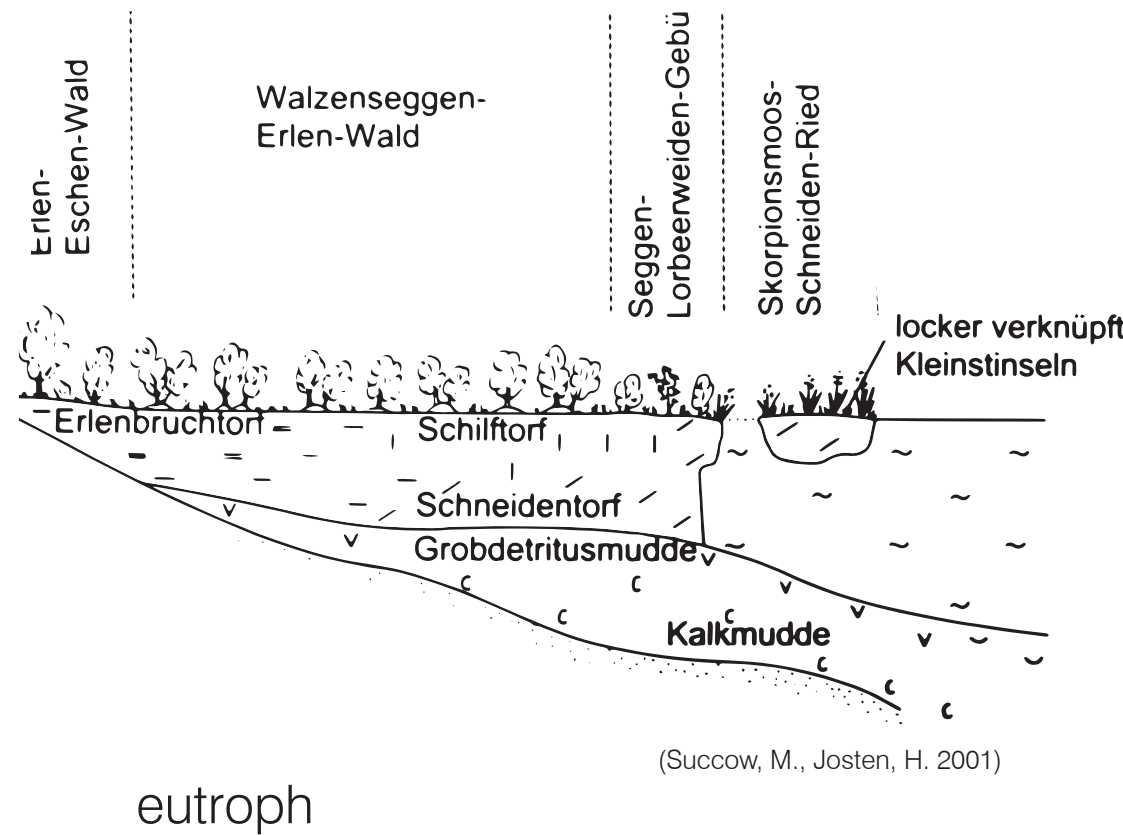
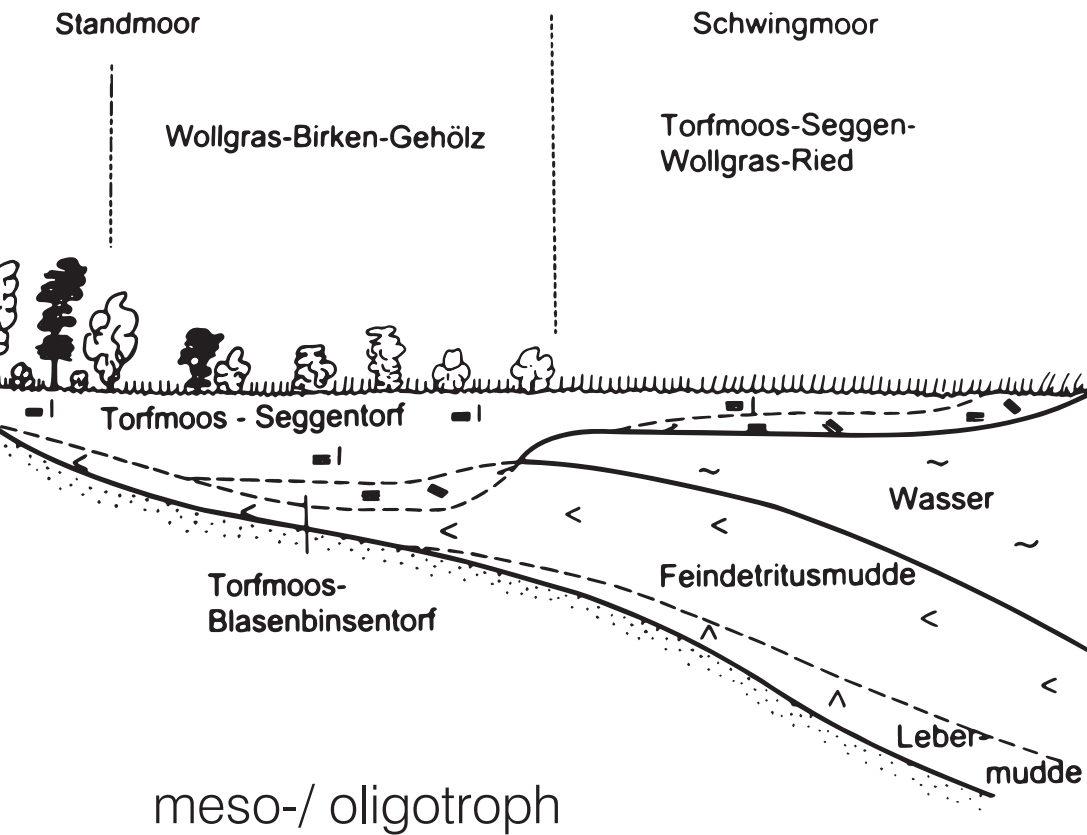




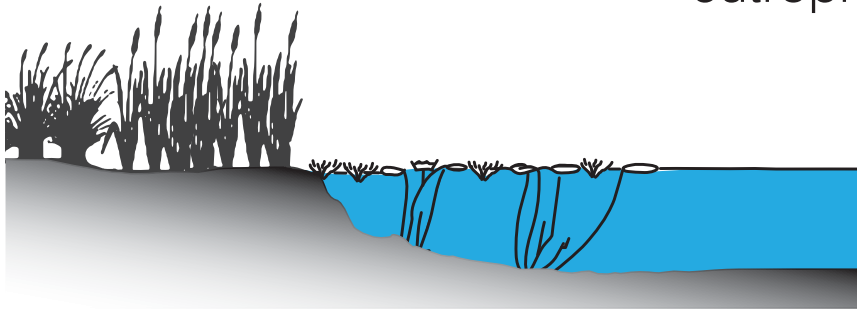


Hautsee, Thüringen

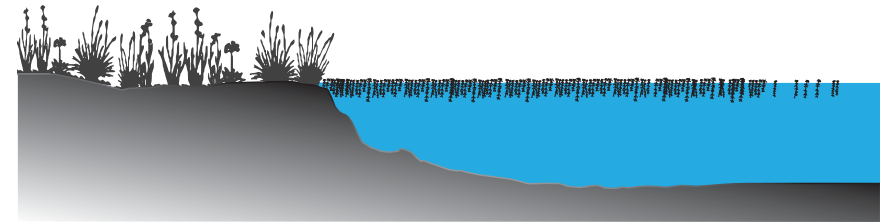
Hautsee, Thüringen  
Foto: Sinn

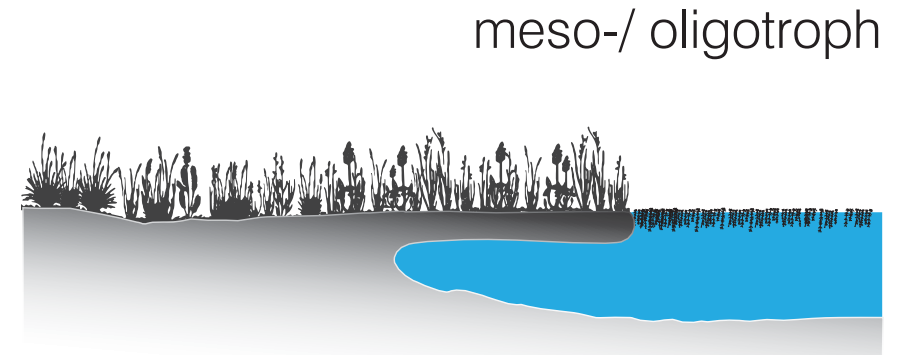
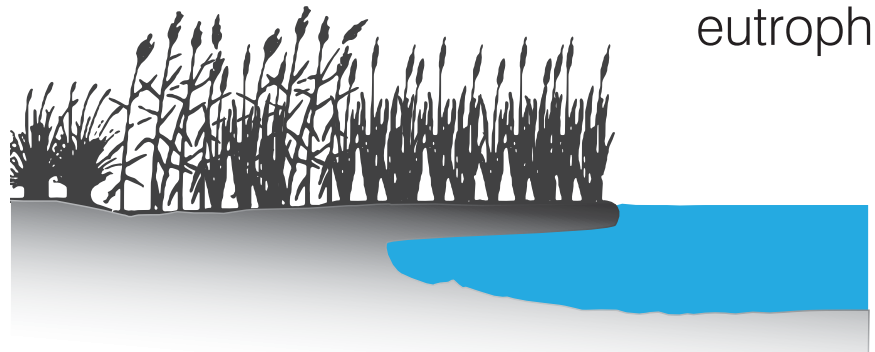


eutroph



meso-/ oligotroph





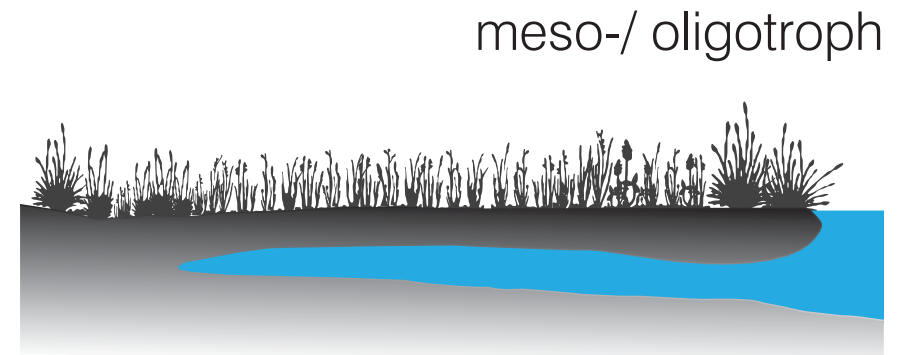


Foto: R. Knösche



Dal See in Kaschmir

Foto: Casimir

## Dal See in Kaschmir

Foto: Casimir





Dal See in Kaschmir

Foto: Casimir

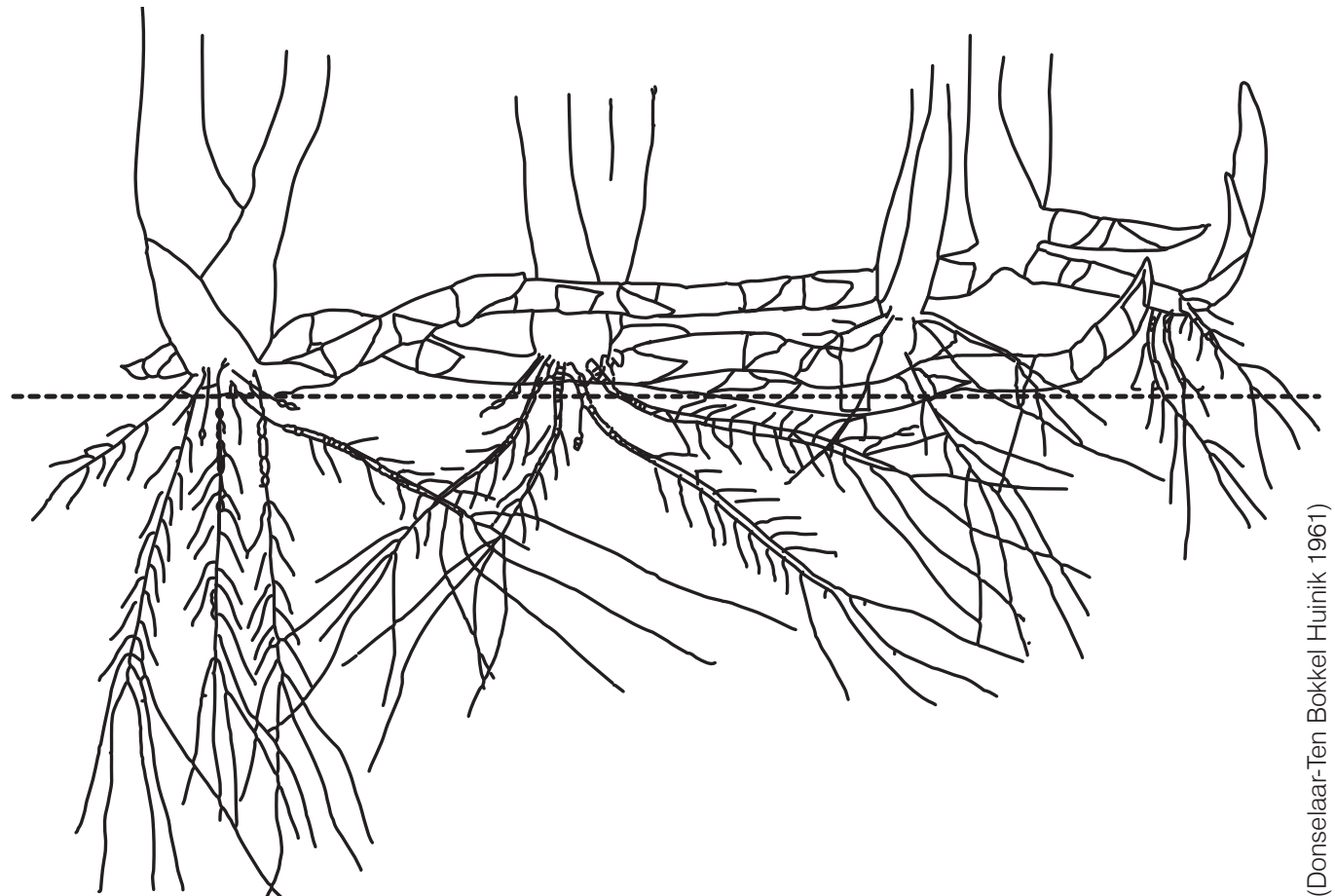






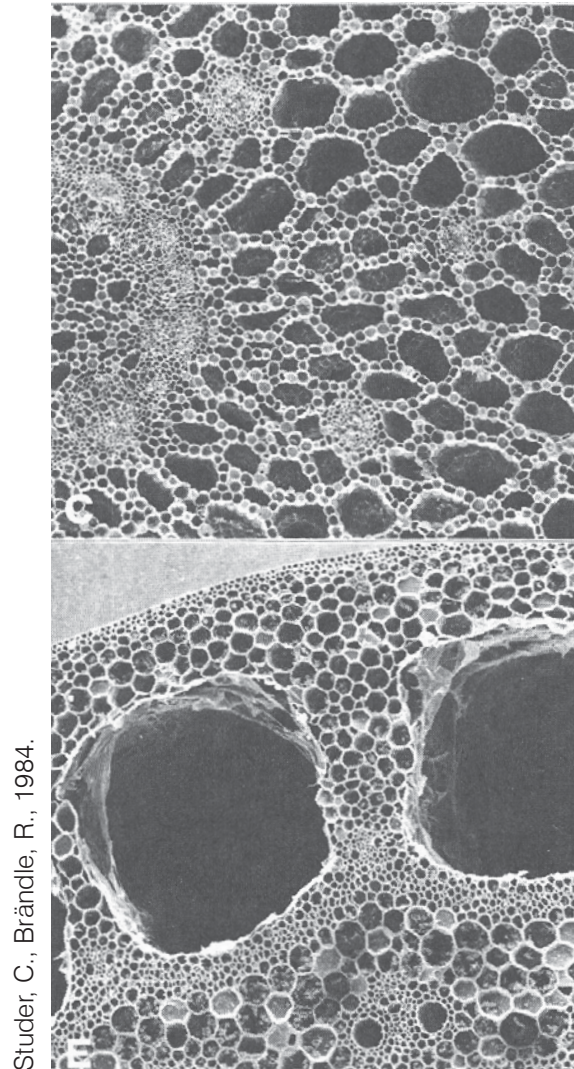
Foto: Henning Günther

## Ausläuferbildung / Polycormone

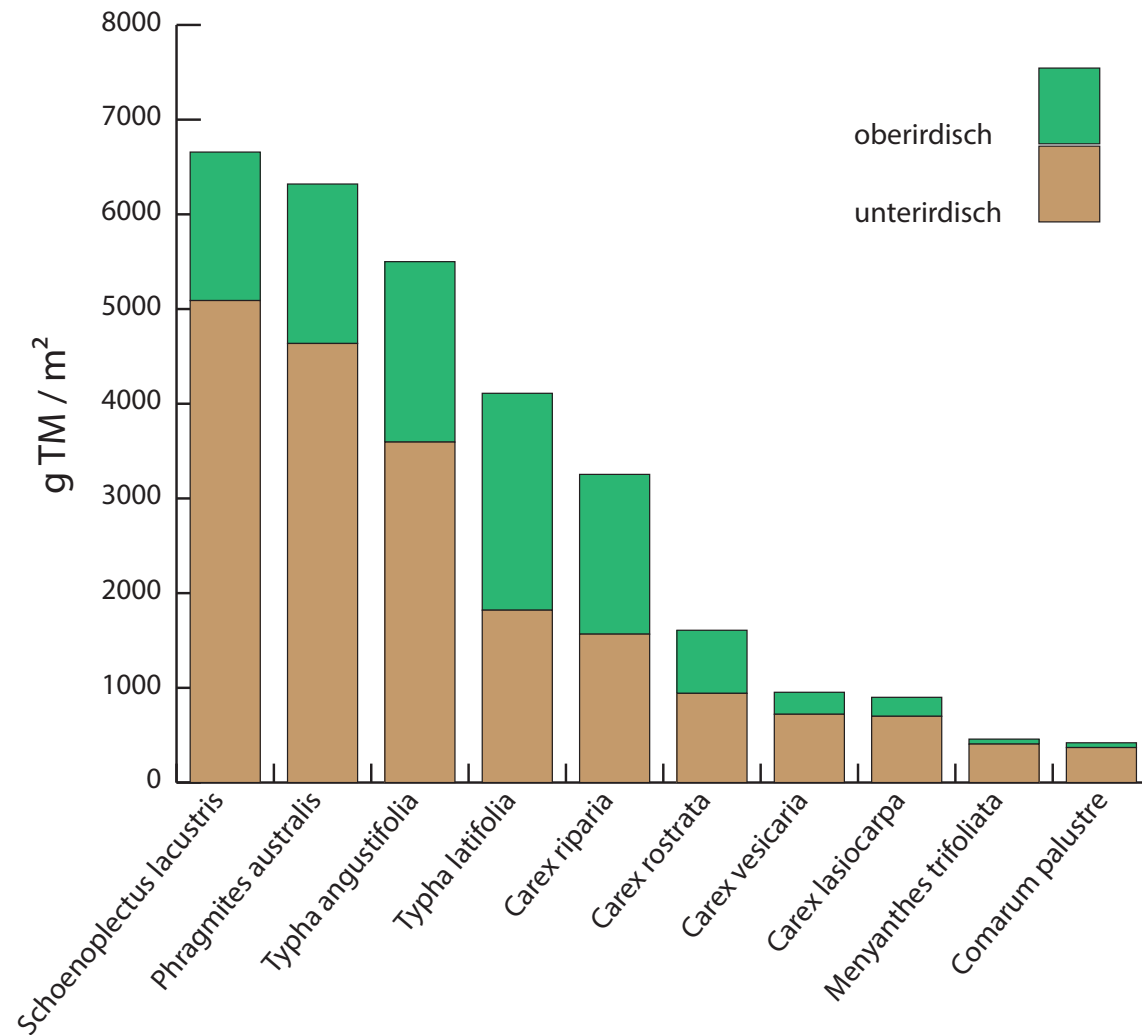


(Donselaar-Ten Bokkel Huinik 1961)

## Luftleitgewebe



## Phytomasse



Quellen: (Bernard und Fiala 1986; Bernard et al. 1988; Dykyjová 1978; Dykyjová und Véber 1978; Fiala 1976; Fiala et al. 1968; Hejný 1960; Kvet und Husak 1978; Saarinen 1996; Sjörs 1991; Soukupová 1994)

## Torf

(Meier-Uhlherr et al. 2011)

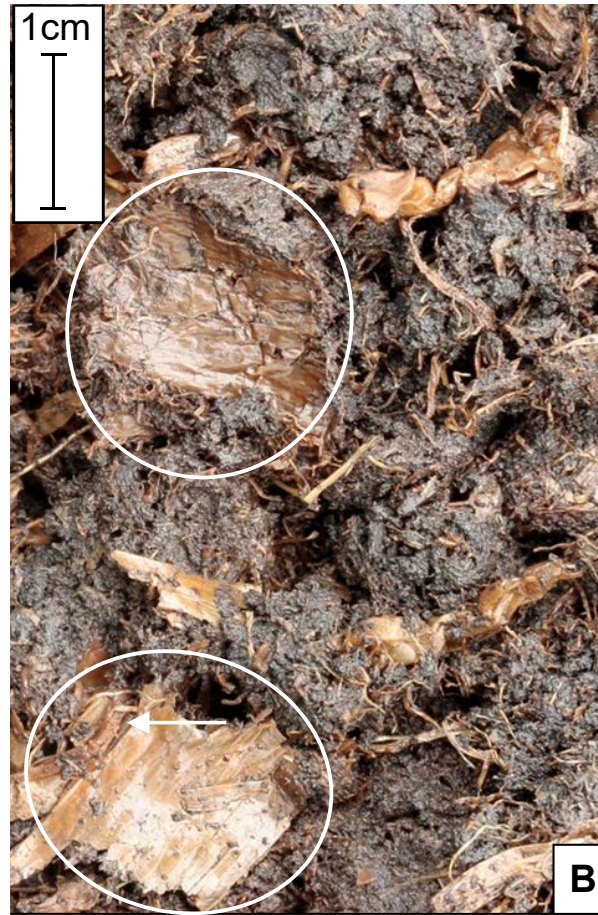
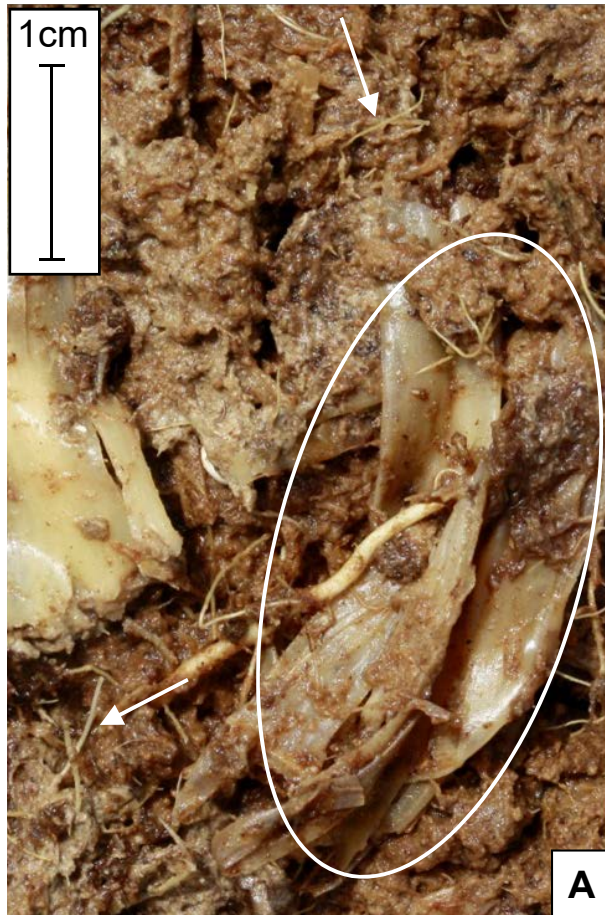
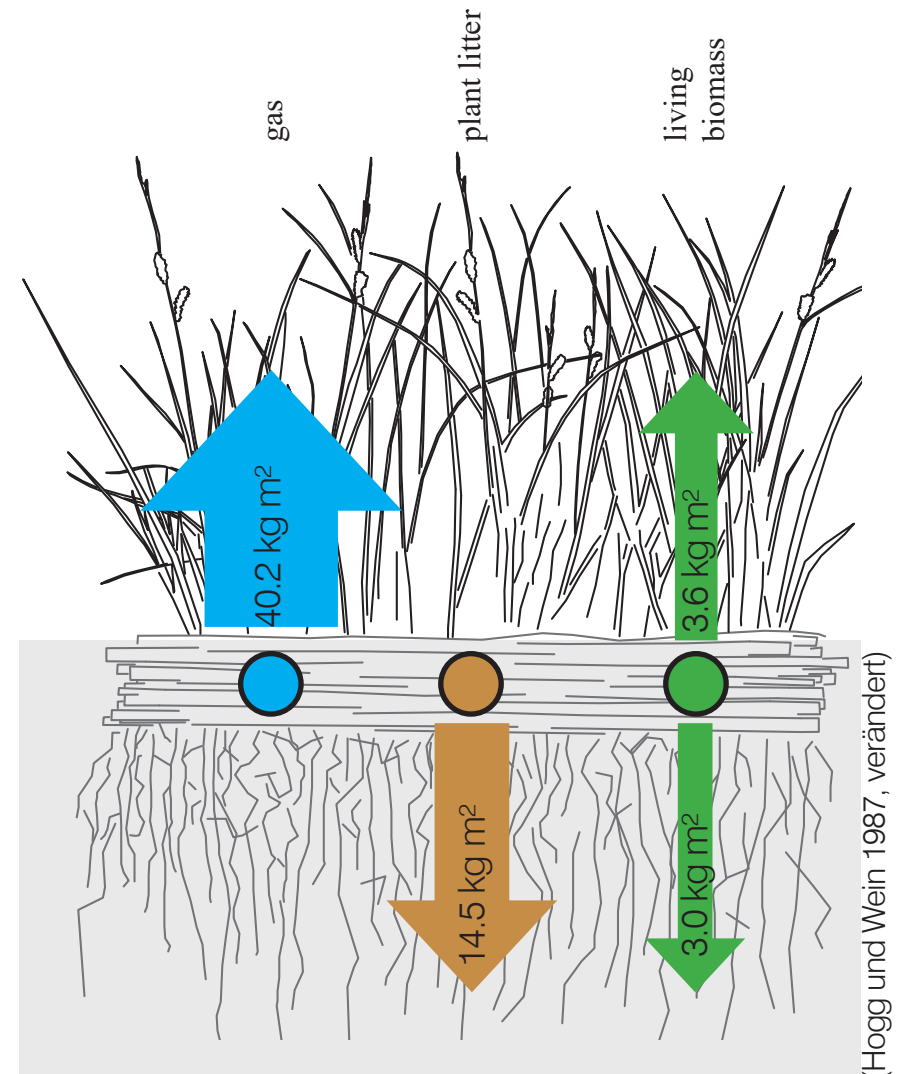
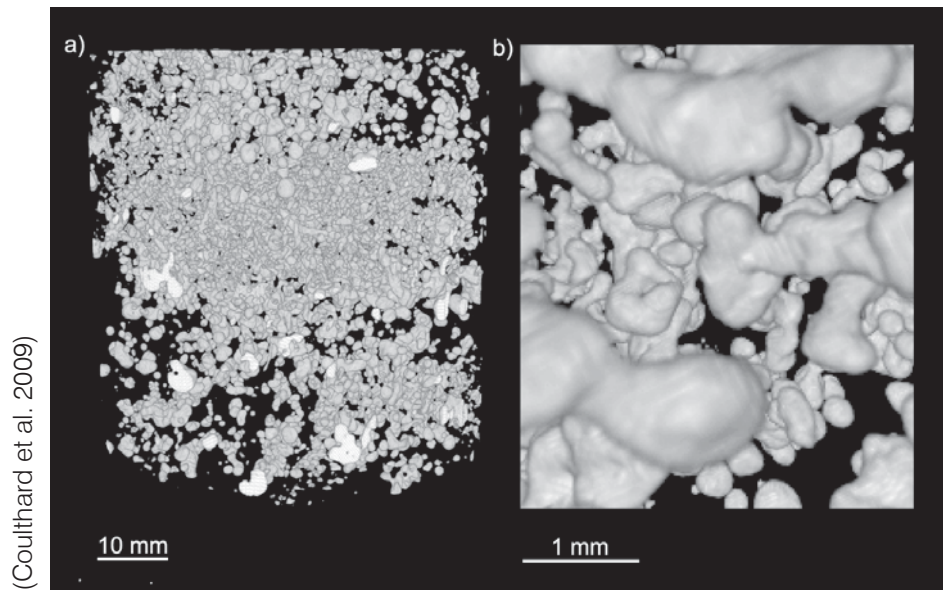
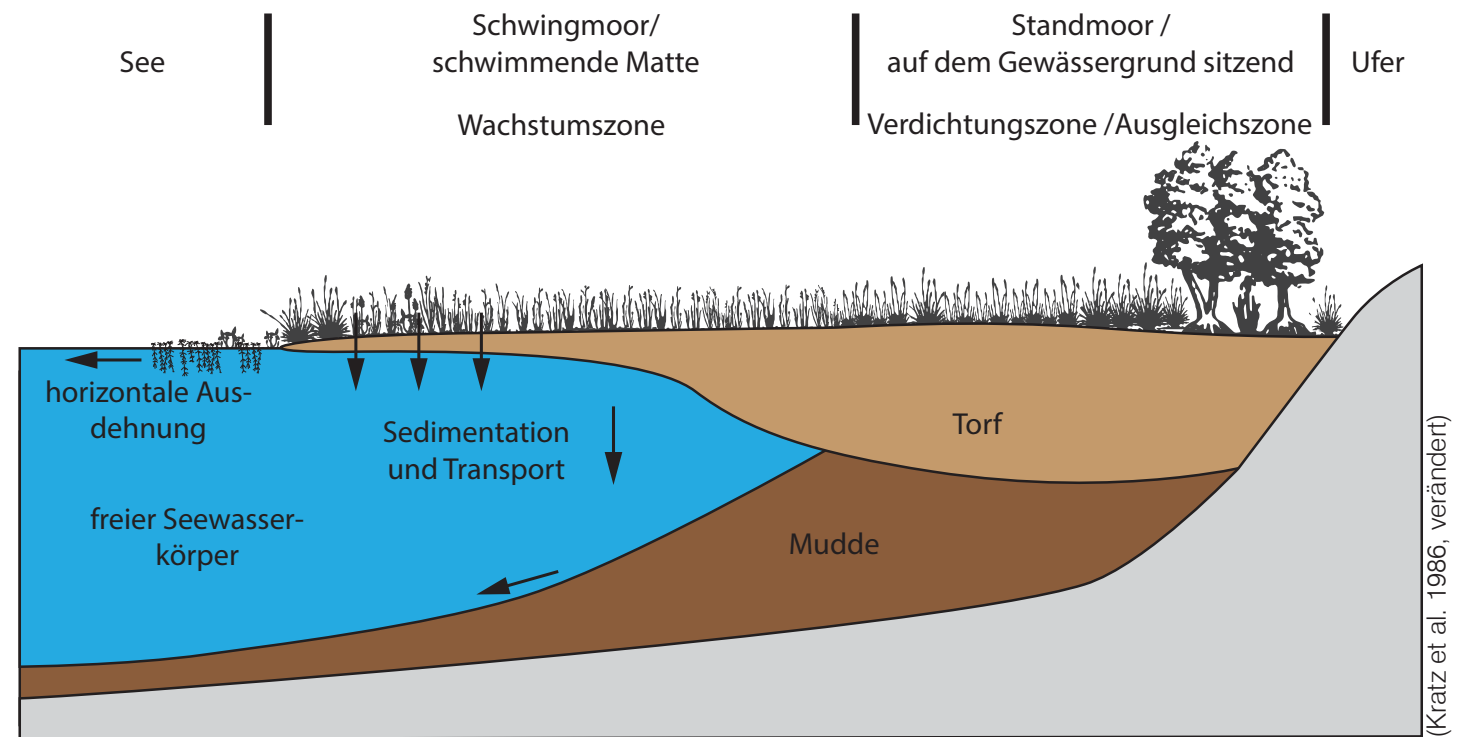
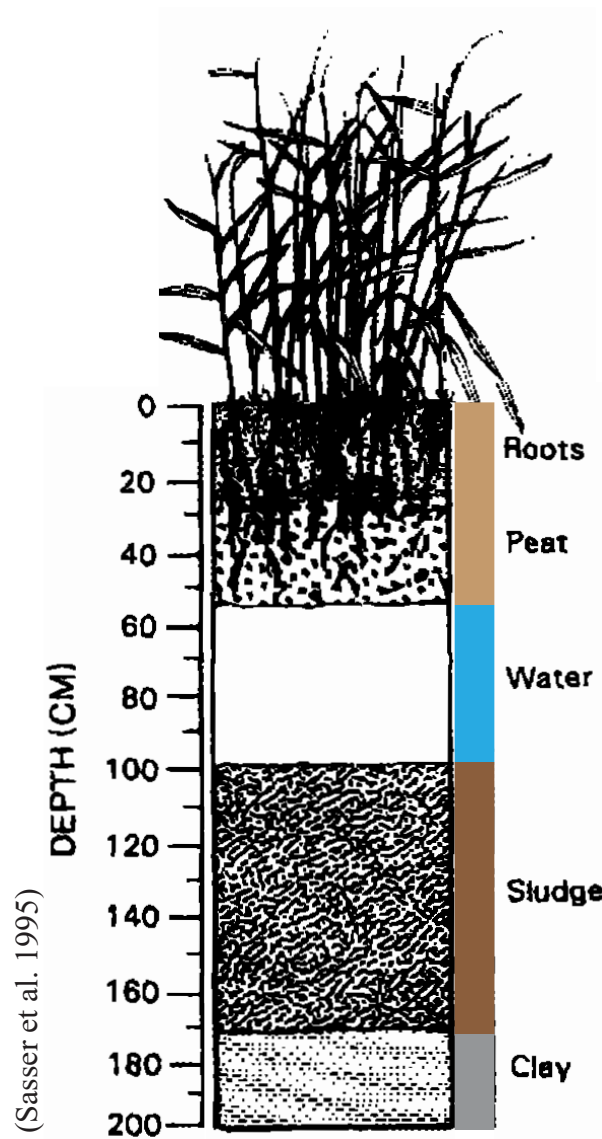


Foto: Henning Günther

## Sumpfgas



## Entwicklungsstadien





Herstellung





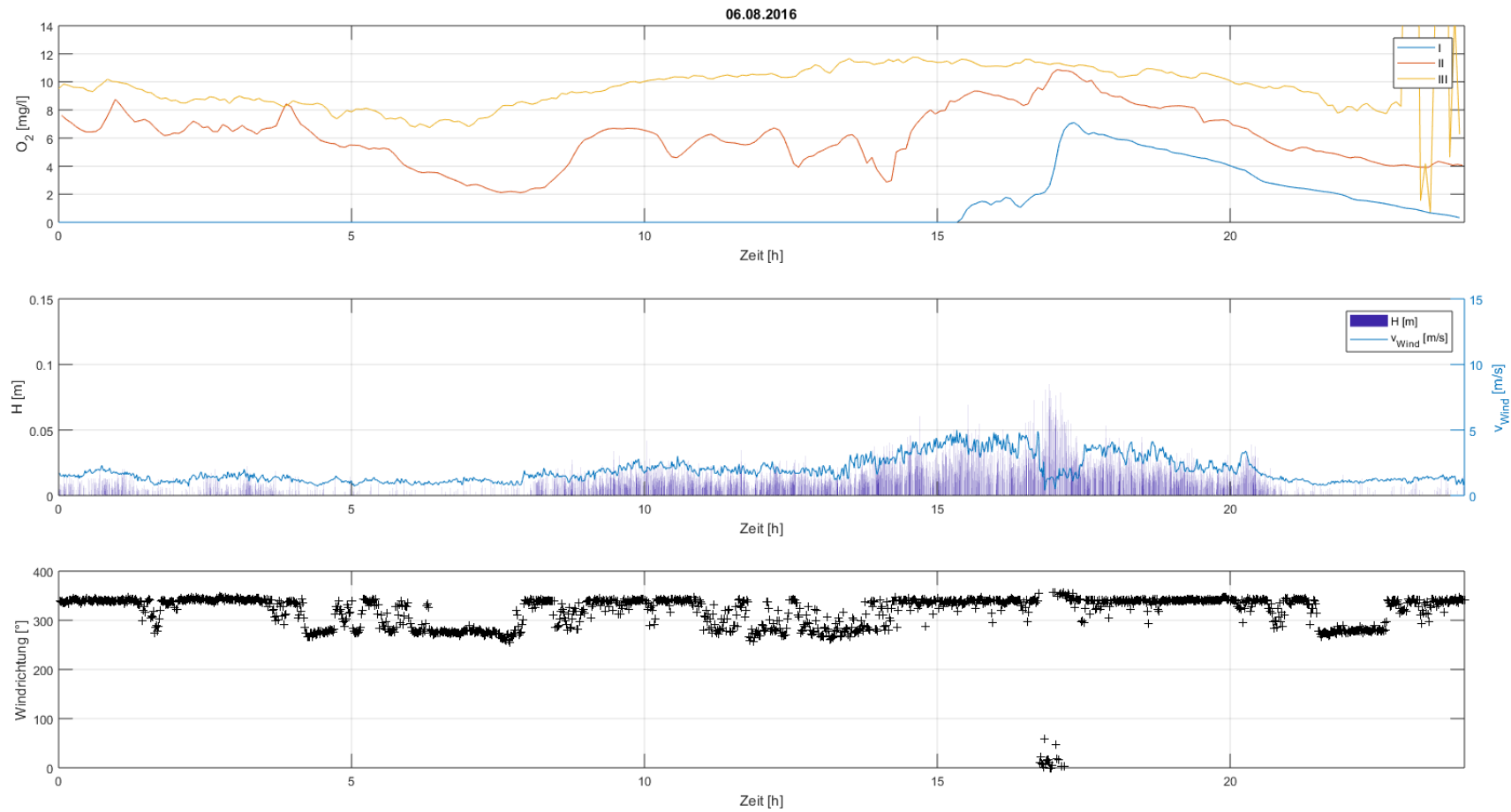
Foto: Henning Günther



Foto: Henning Günther







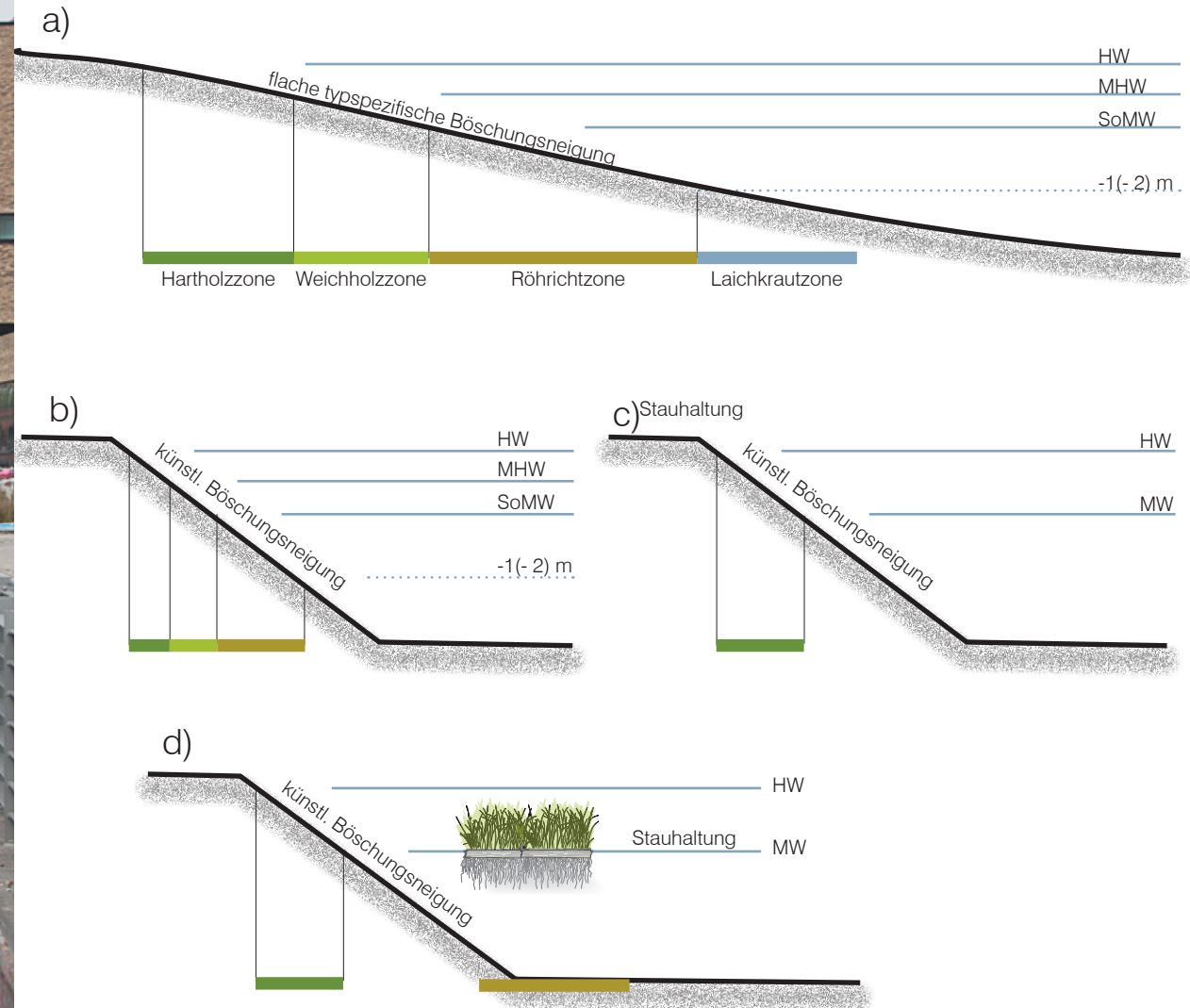




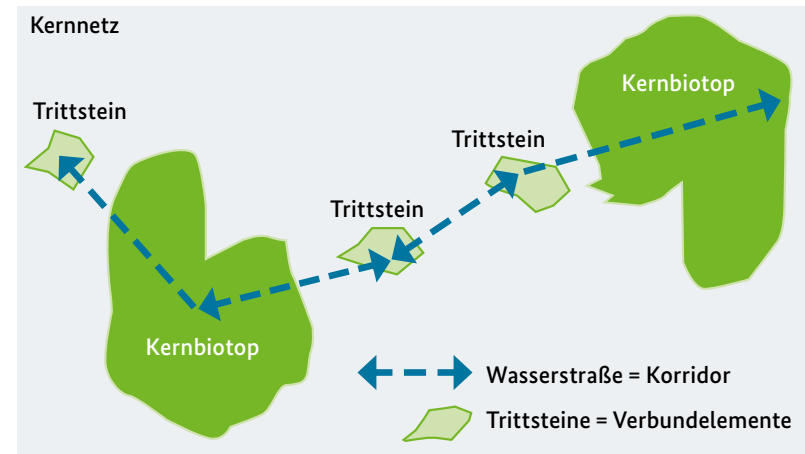




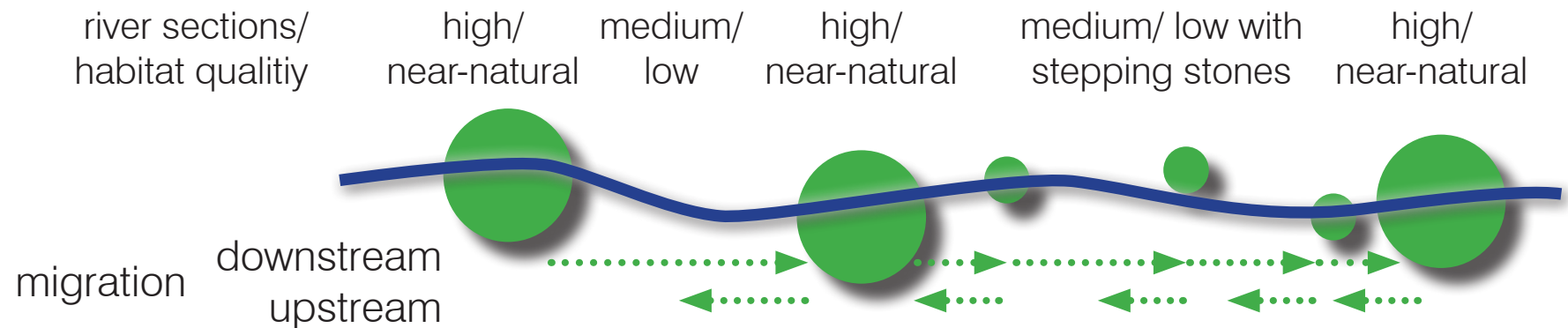
## Gewässerstruktur



## Strahlwirkungskonzept



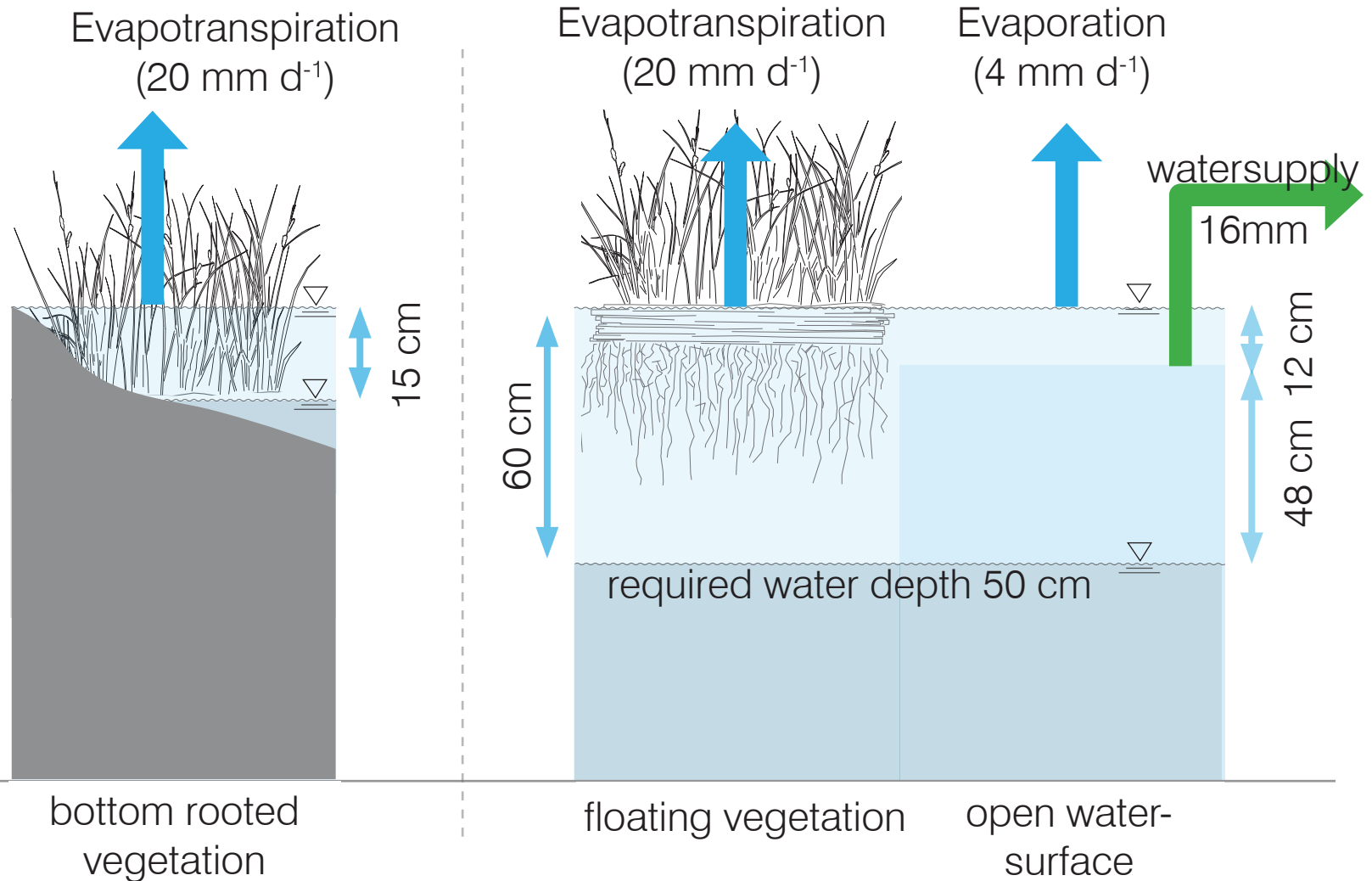
## Spreading Effect Patches



## urbane Gewässer



## Stadtklima - Verdunstung



Danke für Ihre Aufmerksamkeit.