

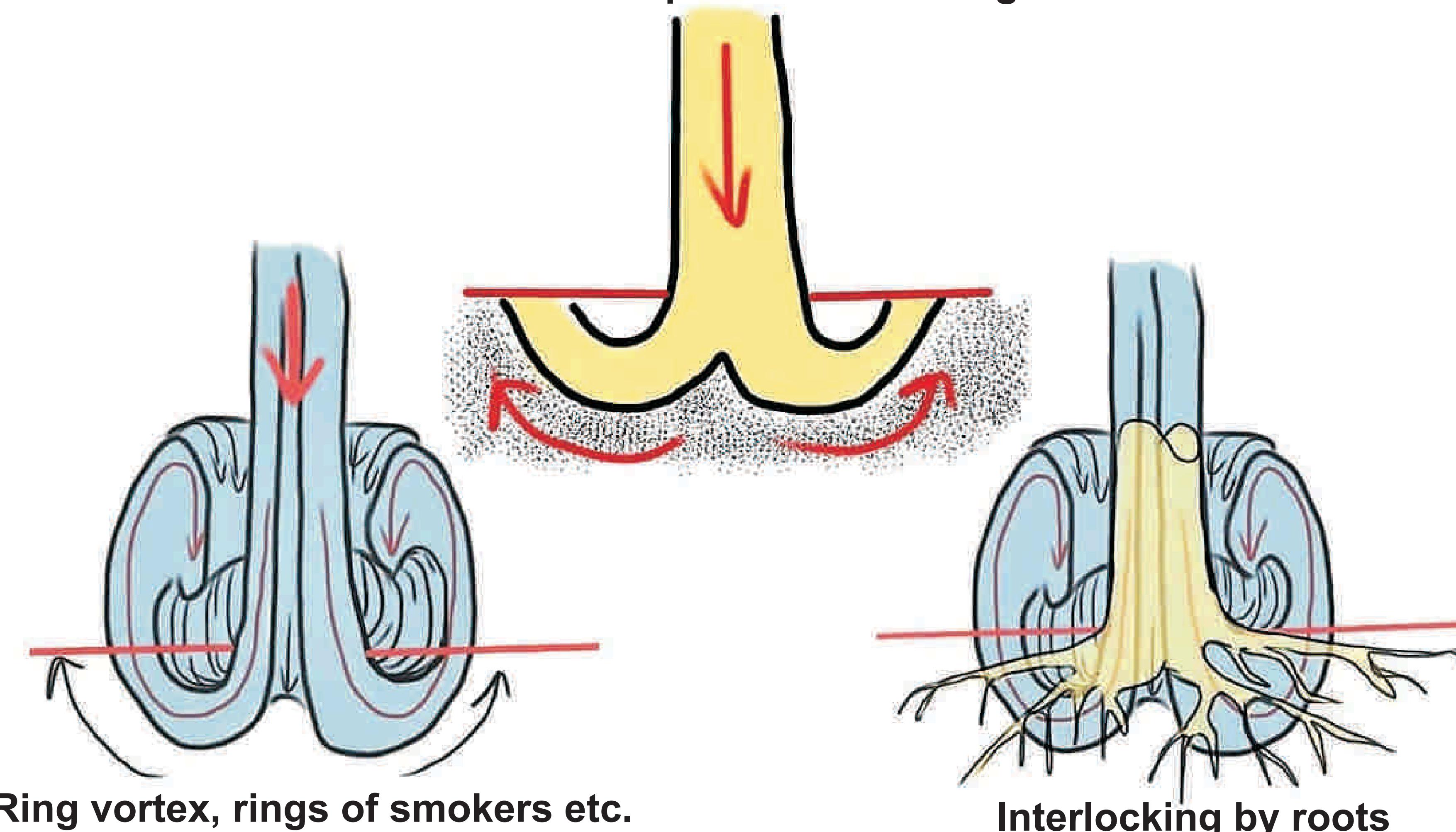
# The tree root under the tree weight: a ring vortex?

(after „Pauli explains the form in nature“ [1])

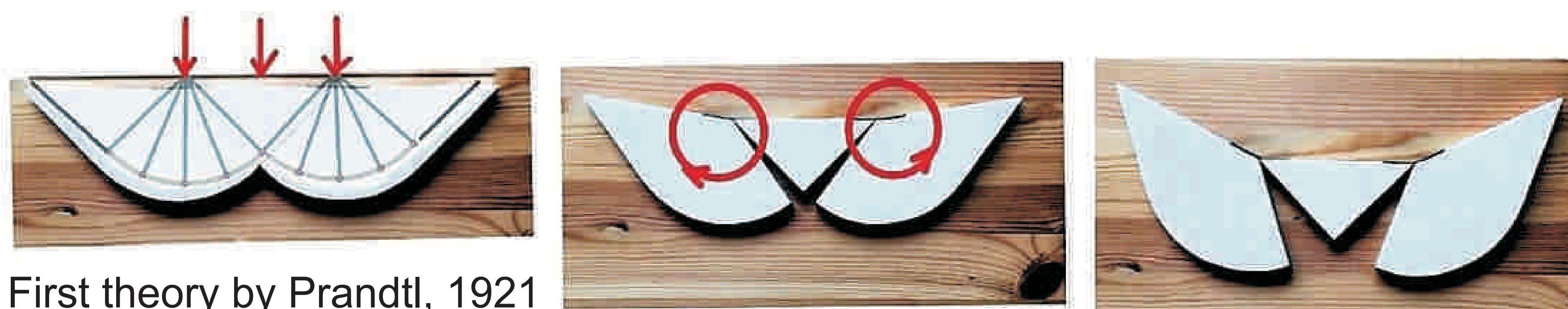
C. Mattheck, K. Bethge , K. Weber

If a jet of water hits a water tank, a ring vortex is created.

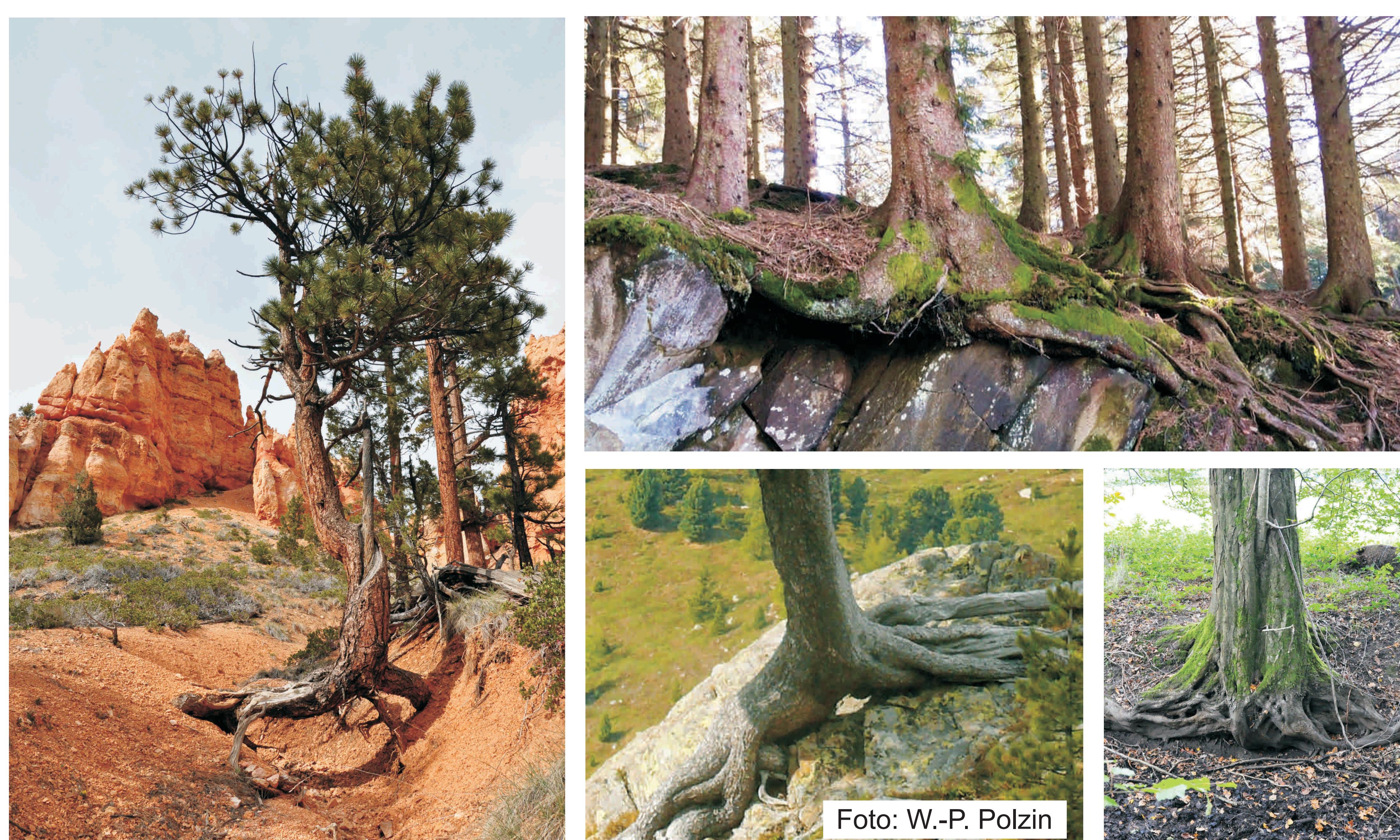
Trunk of a tree punches into the ground



Wooden model:



Below the trunk of a tree the root plate has a similar tendency to roll up. Only the interlocking roots of the root plate with the surrounding soil can prevent the rolling up.



If there is a lack of soil or interlocking roots the strong roots then will bend upwards.

Literature: [1] Mattheck, Claus (2018) Pauli explains the form in nature, published by KIT Karlsruhe

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