


Wound response in *Avicennia marina* A mangrove species with successive cambia



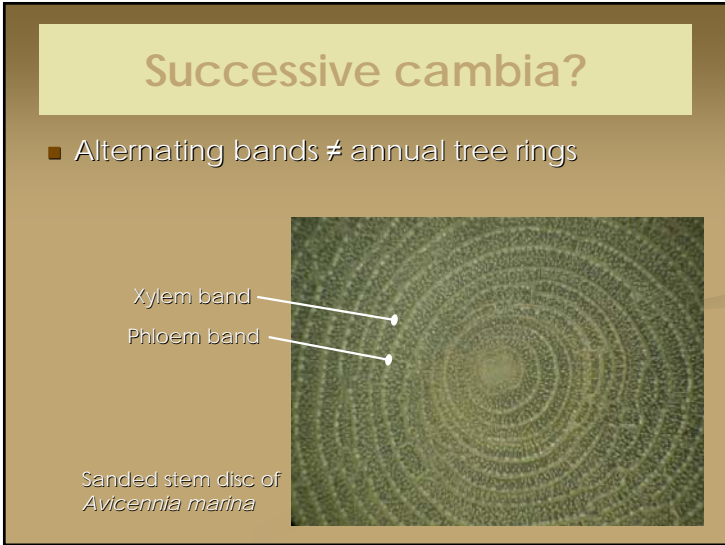
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Brussel**

Nele Schmitz
J.G. Kairo, H. Beekman, N. Koedam

Successive cambia?

- Alternating bands ≠ annual tree rings

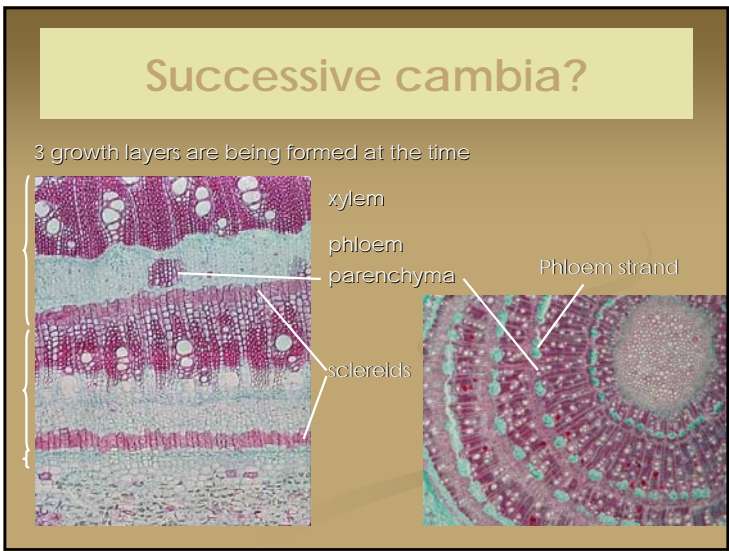


Xylem band
Phloem band

Sanded stem disc of
Avicennia marina

Successive cambia?

3 growth layers are being formed at the time



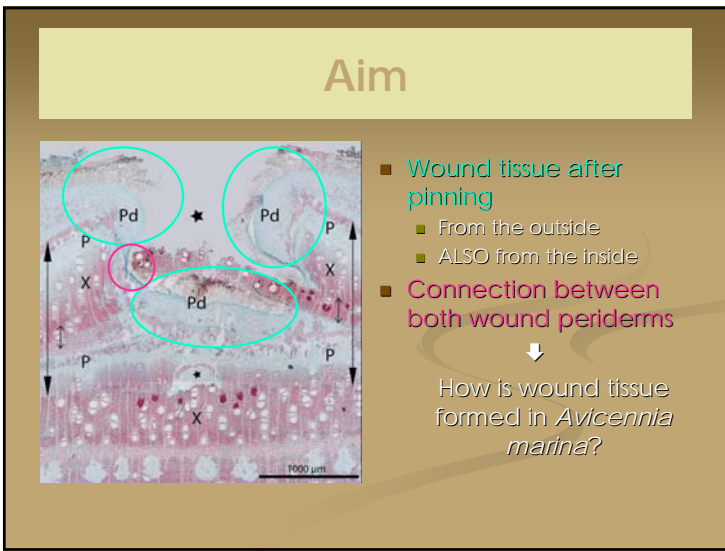
xylem
phloem
parenchyma
sclereids
Phloem strand

Aim

- **Wound tissue after pinning**
 - From the outside
 - ALSO from the inside
- **Connection between both wound periderms**

↓

How is wound tissue formed in *Avicennia marina*?

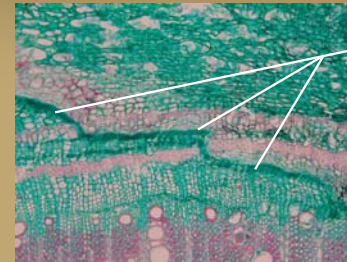


Methodology

- Cambial marking with a needle of 0.8 mm \varnothing of a series of trees
- Sampled at 1, 3, 5, 9, 12, 15 or 19 days after pinning



Results



Wound-induced cambia

Wound-induced aerial roots



For more information



Have a look at my poster

Thank you for your attention!

Nele Schmitz
nschmitz@vub.ac.be

