


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



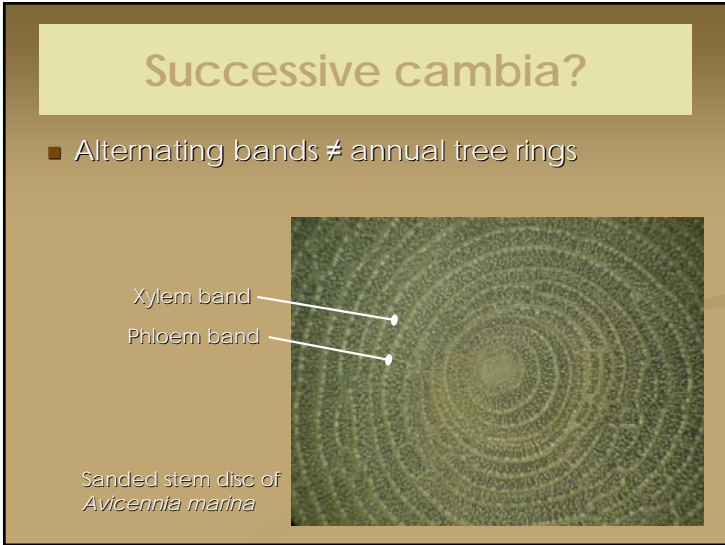
**Africa**  
KONINKLIJK MUSEUM  
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MUSÉE ROYAL  
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TERVUREN

**Vrije Universiteit Brussel**

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## Successive cambia?

- Alternating bands ≠ annual tree rings

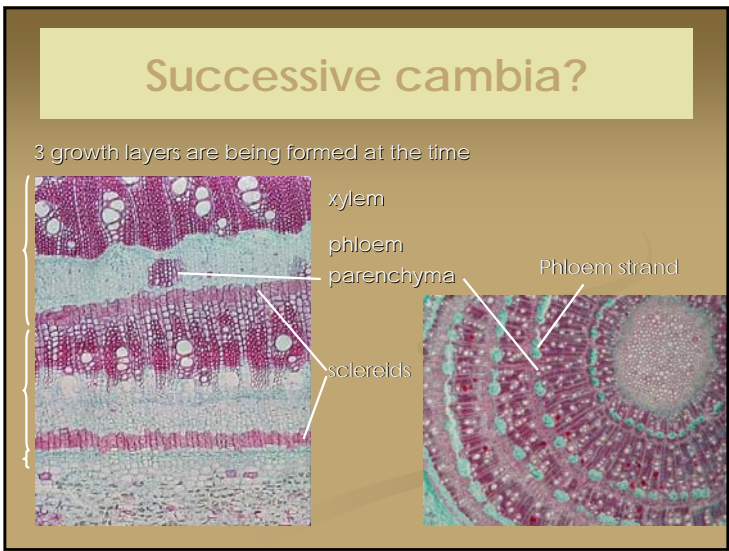


Xylem band  
Phloem band

Sanded stem disc of *Avicennia marina*

## Successive cambia?

3 growth layers are being formed at the time



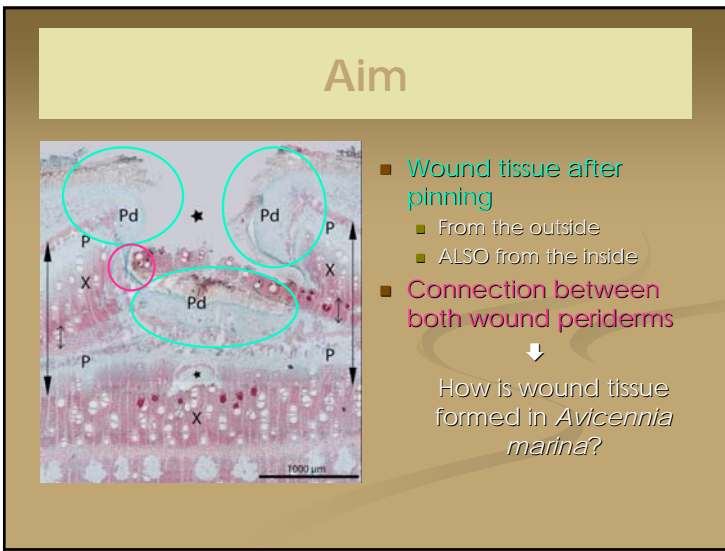
xylem  
phloem  
parenchyma  
sclereids  
Phloem strand

## 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*?

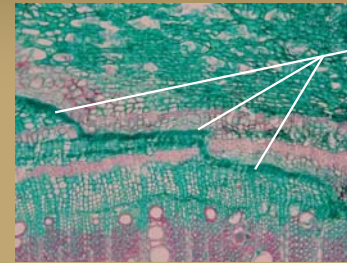


## Methodology

- 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!

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