

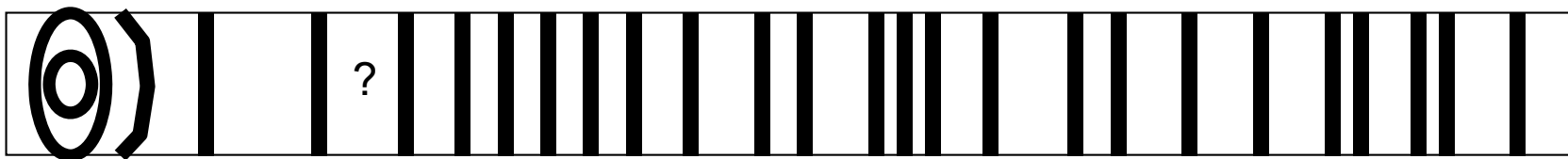
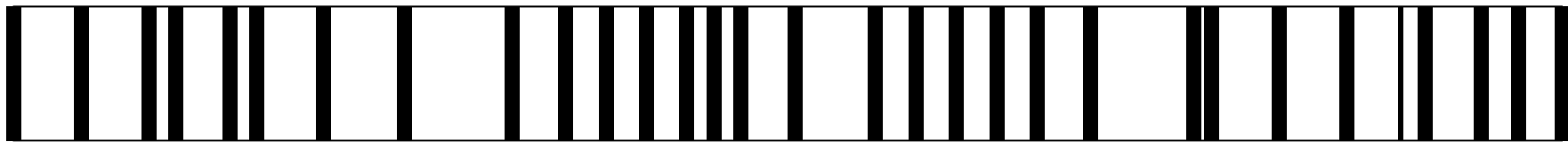
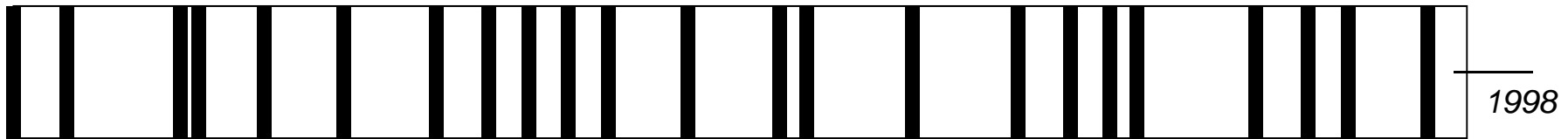


# Landform dating, process reconstructions PRACTICE

Prof. Markus Stoffel, Dr. Virginia Ruiz-Villanueva

# TREE-RING DATING: Exercise 1

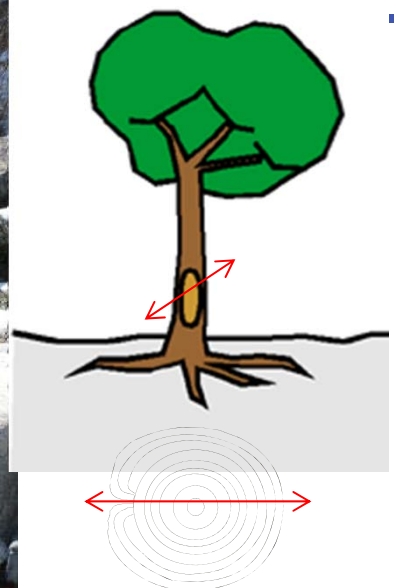
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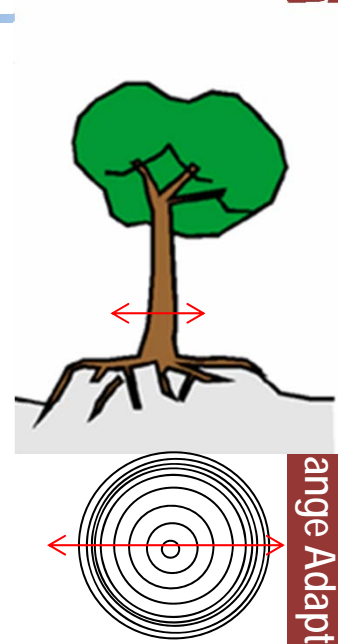




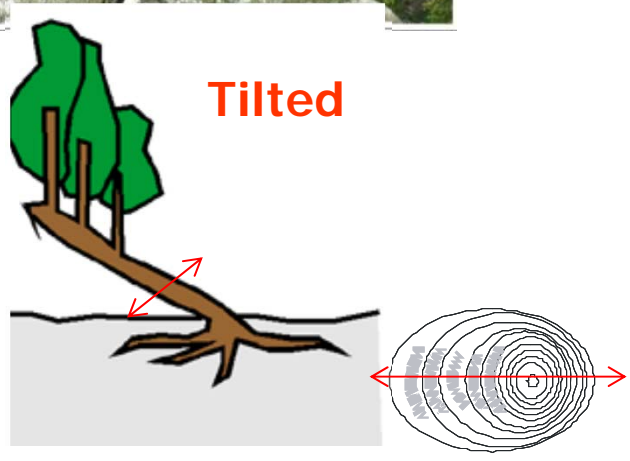
Injuries



Exposed roots

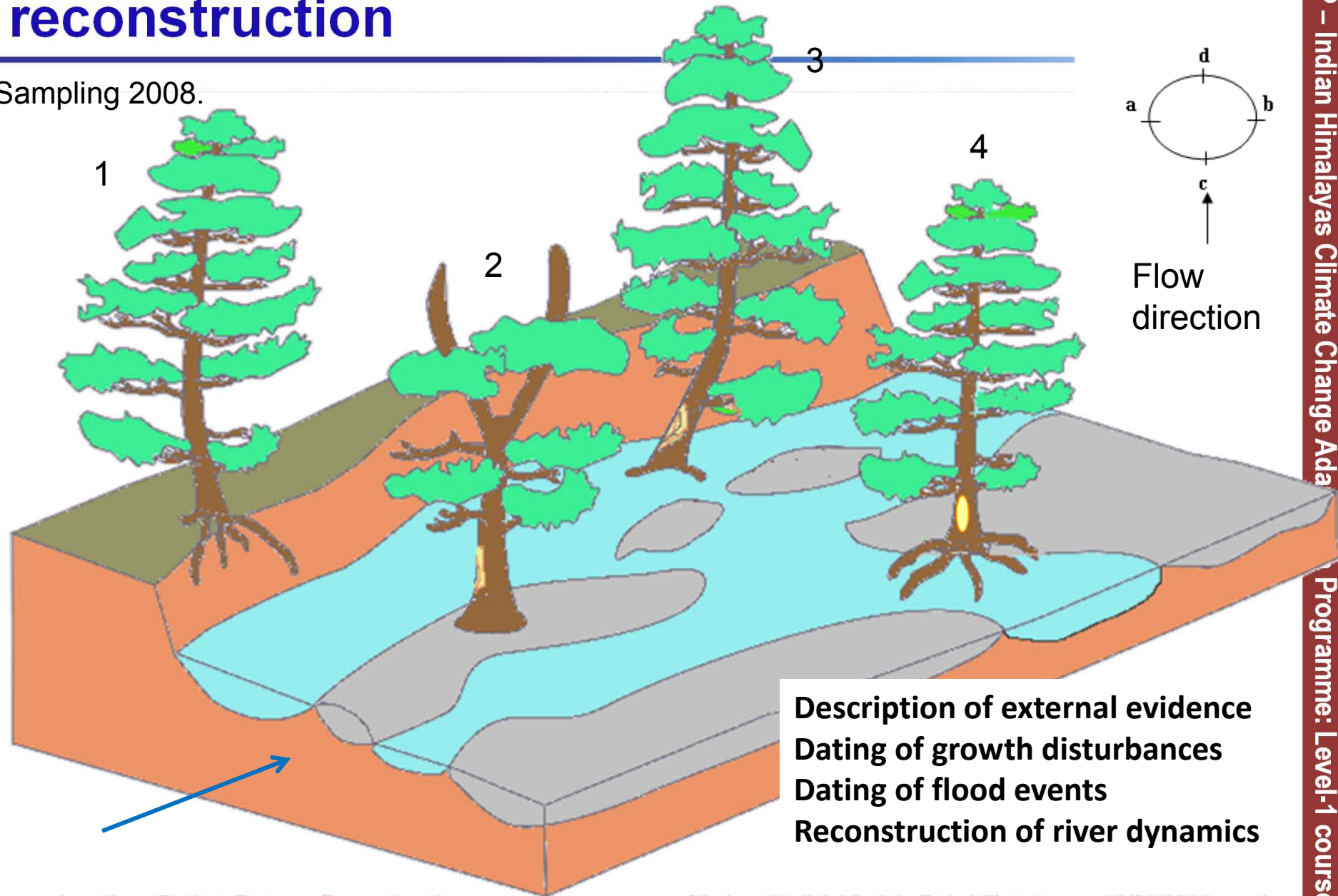


Tilted



# Exercise 2: River dynamics and flood events reconstruction

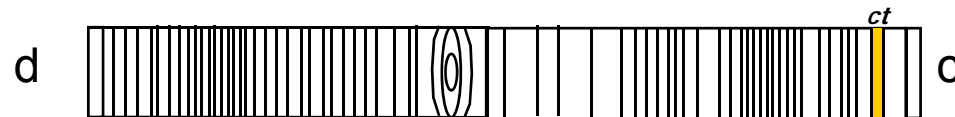
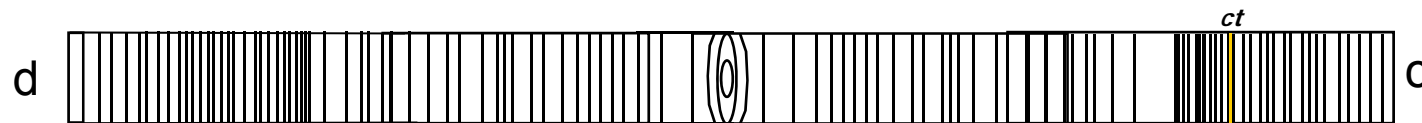
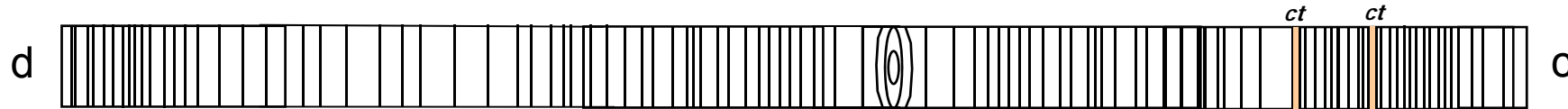
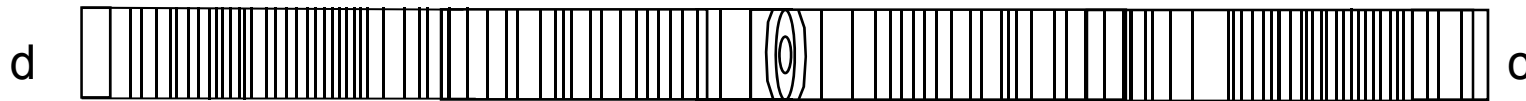
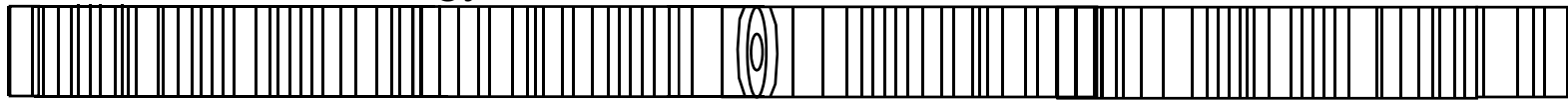
Sampling 2008.



**Description of external evidence**  
**Dating of growth disturbances**  
**Dating of flood events**  
**Reconstruction of river dynamics**

# Flood events reconstruction

Reference chronology





# Exercises solutions

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## Exercise 1:

To which year corresponds the question mark in the tree-ring series?

## Exercise 2:

- Describe the external evidence you observe in the trees:
  
- Date and describe growth disturbances :
  
- Date flood events (years):