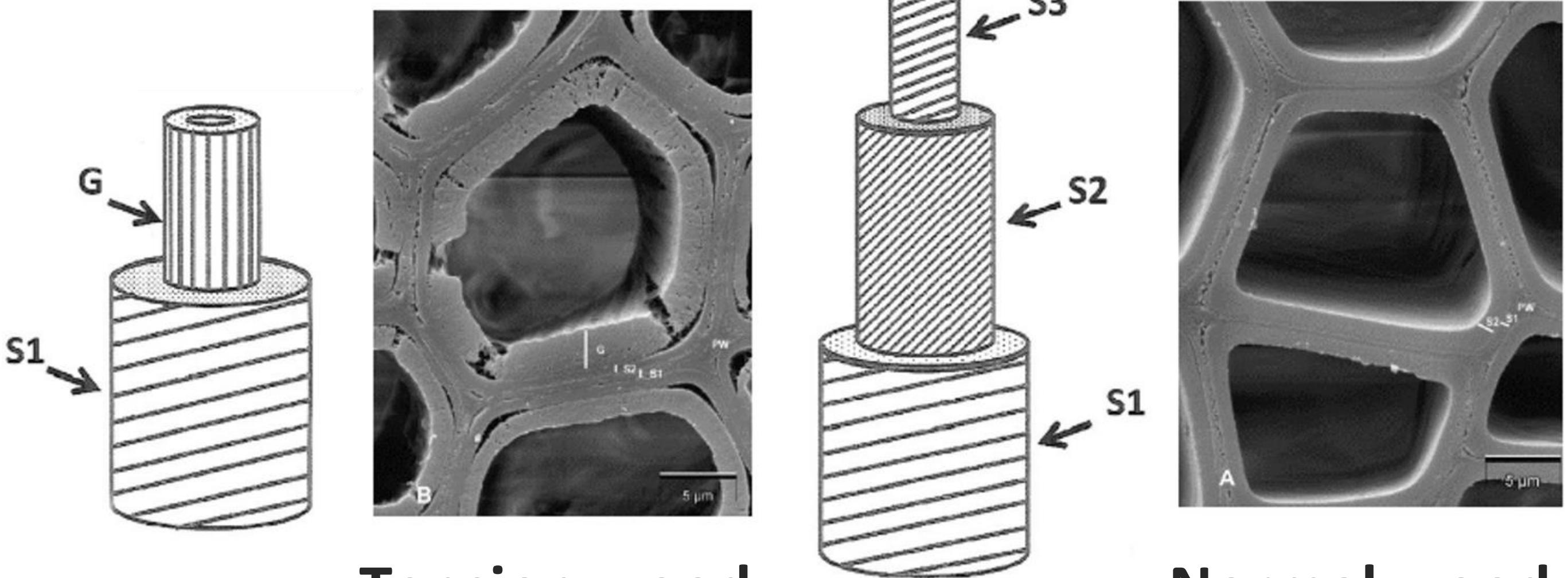
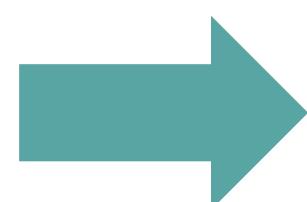
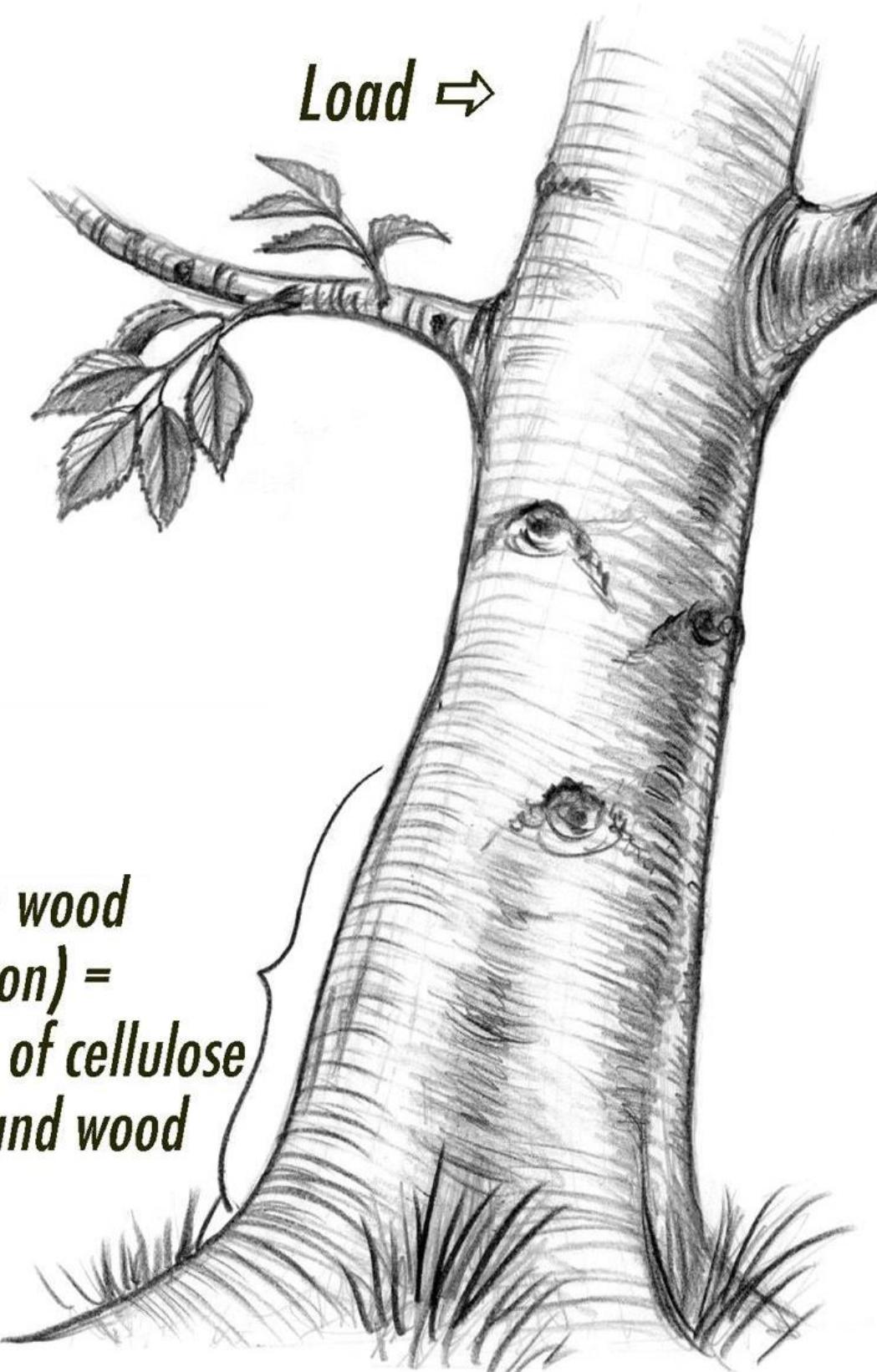


Wood morphogenesis under abiotic stress at the nanoscale

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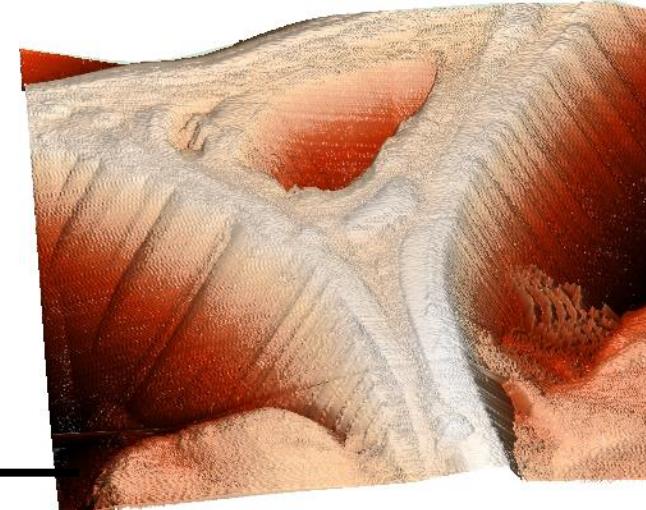
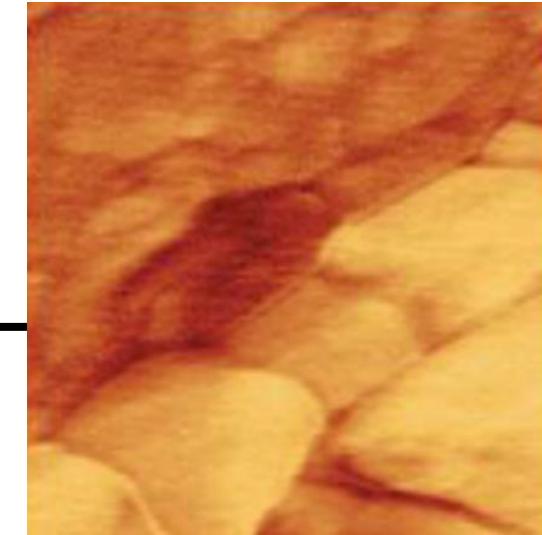


Tension wood

Normal wood

Établir une corrélation entre la structure, la composition chimique, et les propriétés mécaniques des parois de cellules à l'échelle nano.

Utilisation de techniques diverses pour cartographier les propriétés :

PLANT PROPERTY	MAPPING TECHNIQUE	Image
STRUCTURE	SCANNING ELECTRON MISCROSCOPY ATOMIC FORCE MICROSCOPY	
CHEMICAL COMPOSITION	TOF - SIMS CONFOCAL RAMAN MICROSCOPY MODE-SYNTHETIZED AFM	
MECHANICAL PROPERTIES	NANOINDENTATION QUANTITATIVE FORCE-VOLUME MAPPING	