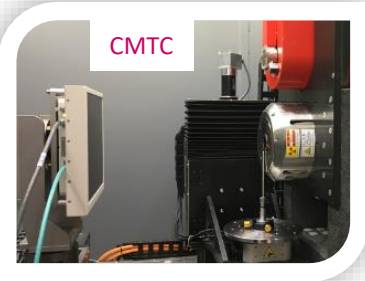


Description: Access to the inner 3D structure of the analysed sampled based on neutron or X-ray interaction with matter

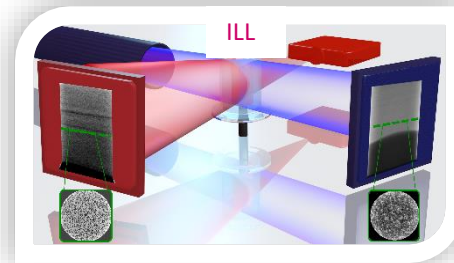
X-ray : plateforme.tomo@3sr-grenoble.fr
Neutron : contact@next-grenoble.fr



Acceleration voltage: 40-140 kV
Spot size: <math><0.4 \mu\text{m}</math>
Pixel size: 0.3 to 100 $\mu\text{m}</math>
Scanning time: 4h to <math><1 \text{min}</math>
Co-funding 35%$



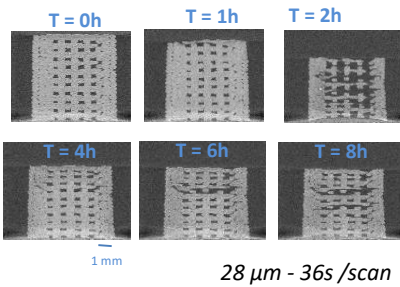
Acceleration voltage: 40-150 kV
Spot size: 5 $\mu\text{m}</math>
Pixel size: 7 to 100 $\mu\text{m}</math>
Scanning time: 4h to <math><1 \text{min}</math>
Full funding$$



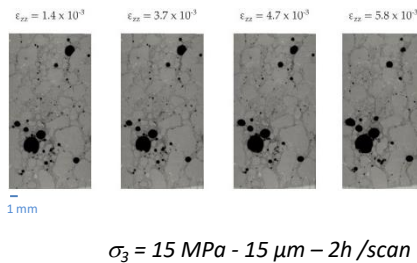
Energy: 1-80 meV
Beam « sharpness »: 4 $\mu\text{m}</math>
Pixel size: 1 to 100 $\mu\text{m}</math>
Scanning time: 8h to <math><1 \text{min}</math>
Co-initiator$$

Physical measurement: Following thermo-hydro-hygro-chemo-bio mechanical processes

Drying: 3D cellulose printed parts



Triaxial compression of concrete



Water absorption into a claystone

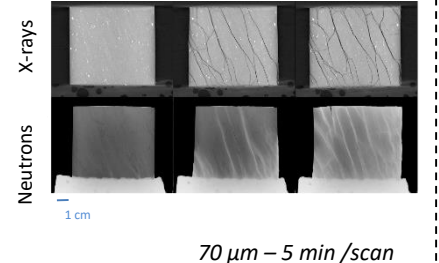
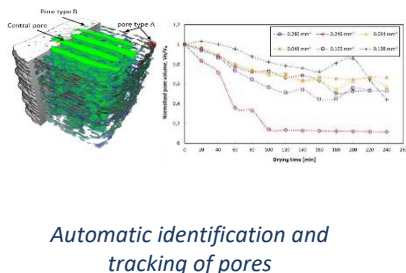
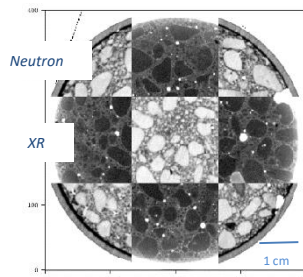


Image processing: Quantifying thermo-hydro-hygro-chemo-bio mechanical processes

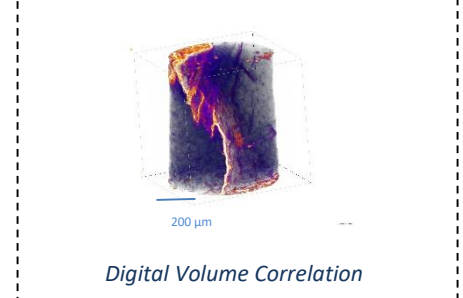
Microstructural quantification



Multimodal image registration*



Deviatoric strain field*



*<https://pypi.org/project/spam/>