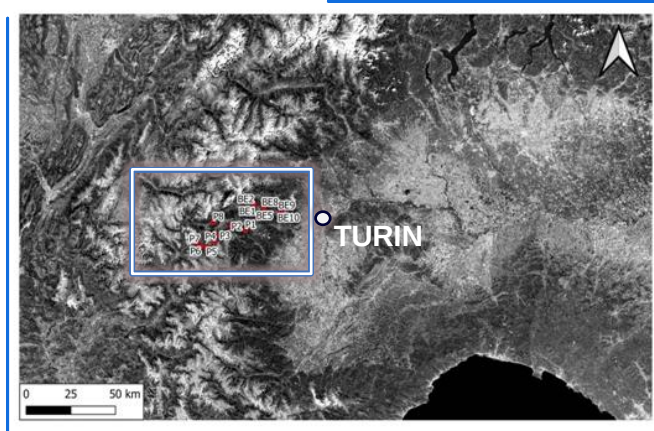


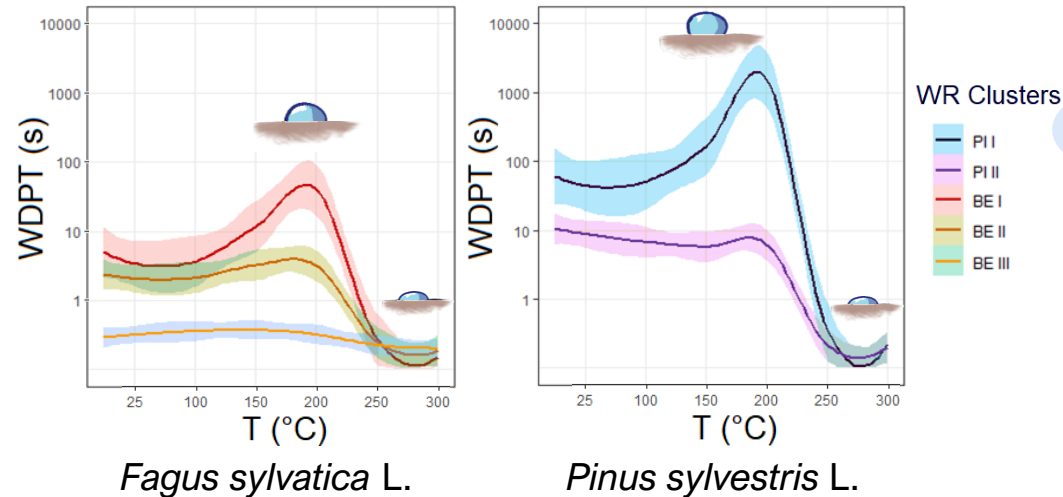
How do mineral and organic phases regulate burning-induced soil water repellency? Unravelling the crucial dynamics occurring in the Alps even at moderate fire intensities.

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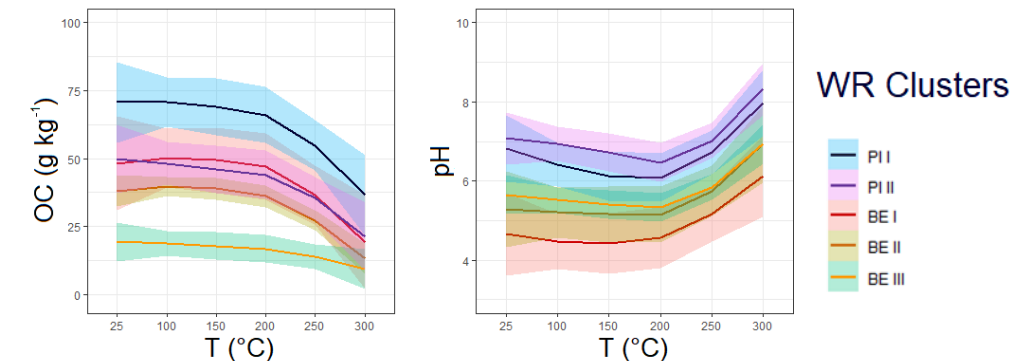


Burning-induced Water Repellency (WR) is highly variable in soil, and vastly understudied in Alpine ecosystems.

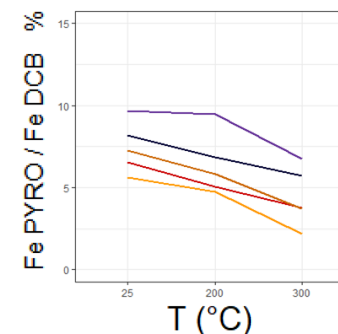
1. WR evolution upon lab-heating ?



2. Main drivers ?



3. Interactions organic matter-iron forms ?



Elettra Sincrotrone Trieste

