## In large faults, micro seismicity patterns emerge from cascades of clogging and un-clogging in the plumbing system

mïgràtions

Time of detection (dd/mm/yyyy)



Large faults act like large-scale, permeable fluid transport systems


7/ Fluid pathways Metamorphic fluid
source sourceLFE sources Subduction fault High fluid pressures
 Channel and valves


E- We model the cycles of clogging and un-clogging of the fault's permeability by a valve system


E- Due to valve-to-valve interactions, patterns of intermittence and migration emerge, building on elementary cascades


