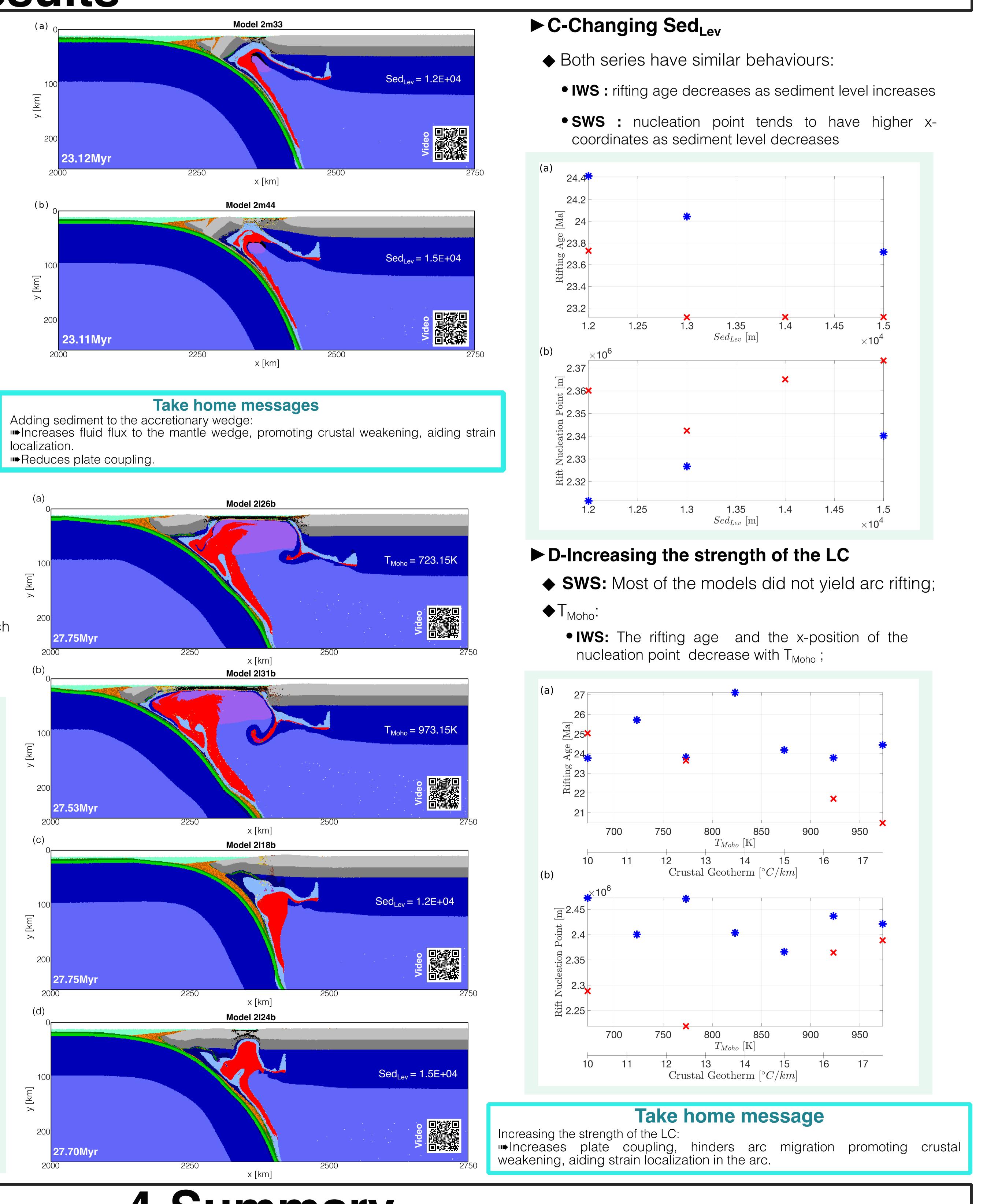


Arc Splitting and back-arc spreading evolution The control of hydration and melts



4-Summary IND Melt intrusion significantly contributes to the creation of a weak zone within the arc, which justifies that melts are the most important cause of weakening in this context. IND Arc rifting is favoured by high TMOHO, high SedLev, moderate to low crustal strengths and 3D effects: obliquity and toroidal mantle flow.





