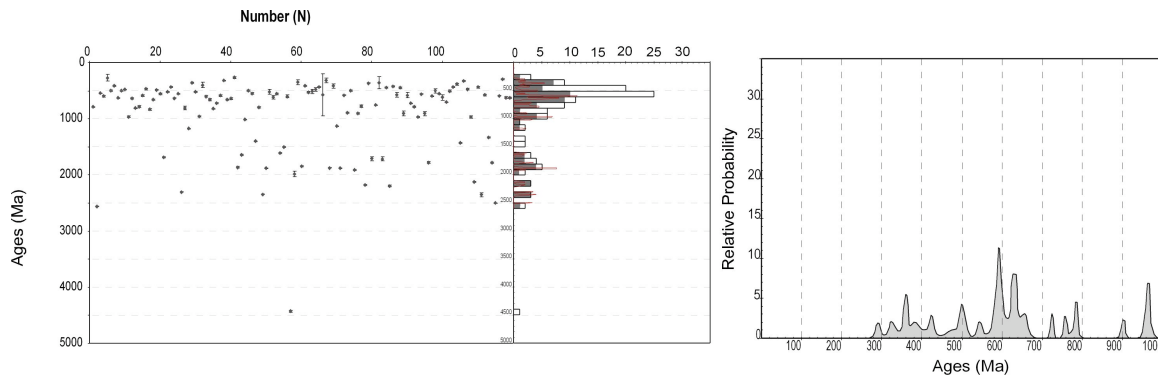


## APPENDIX A: Detrital Zircon U-Pb Age Data

### *NOGUERES ZONE (PRE-PYRENEAN ROCKS)*

Nogueres Zone 1 (Pre-Pyrenean orogeny)

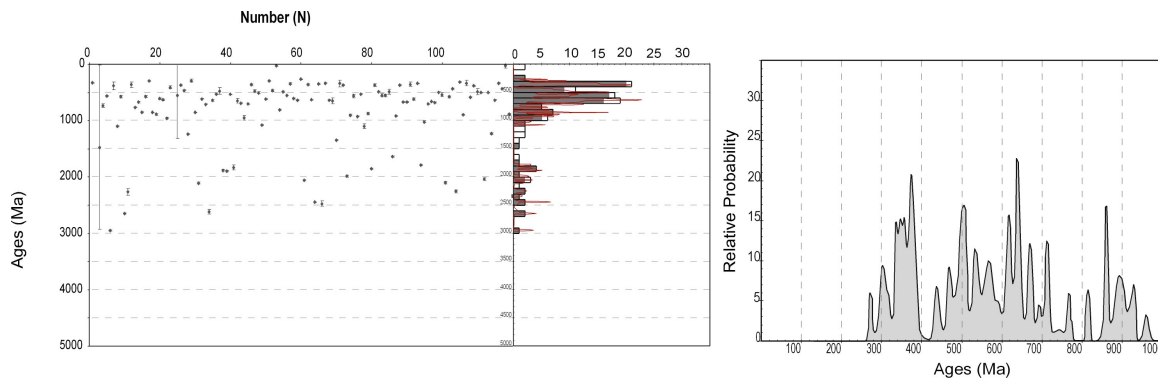
Depositional age: 255.9 Ma (+ 5.25 / - 5.25)



### *SENTERADA BASIN*

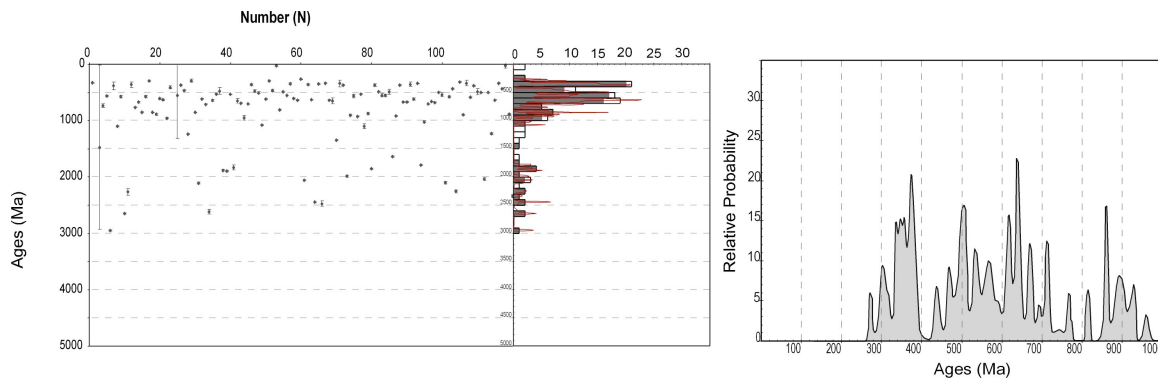
Lower Senterada Formation (Senterada Basin)

Depositional age: 30.0 Ma (+ 2.0 / - 3.0)



Upper Senterada Formation (Senterada Basin)

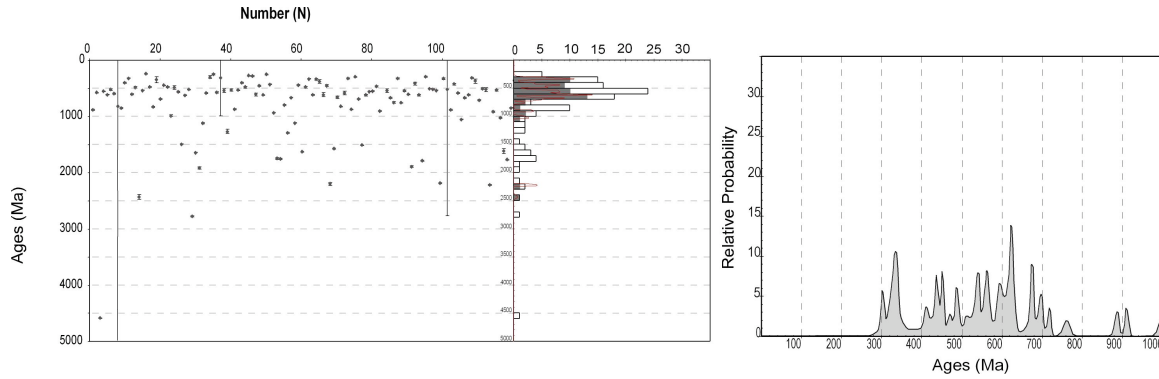
Depositional age: 27.0 Ma (+ 5.0 / - 0.0)



### *POBLA BASIN*

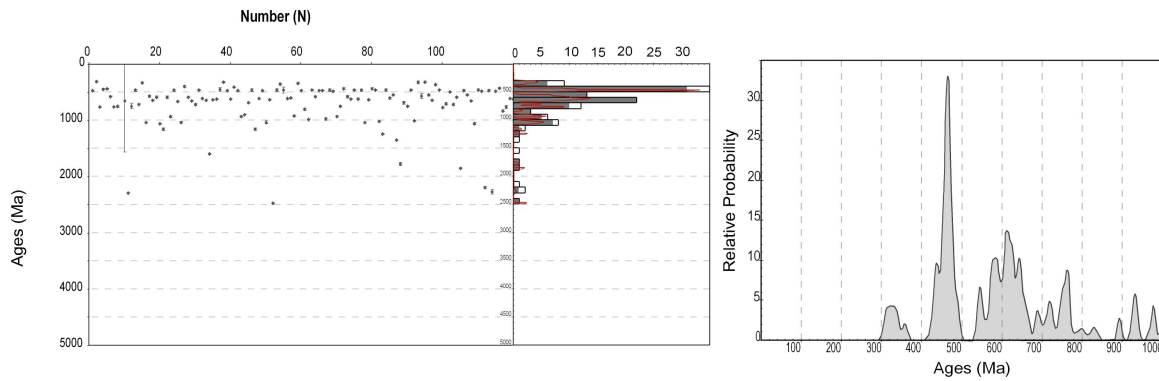
Montsor Conglomerate (Pobla Basin)

Depositional age: 37.0 Ma (+ 3.2 / - 3.2)



Antist Formation (Pobla Basin)

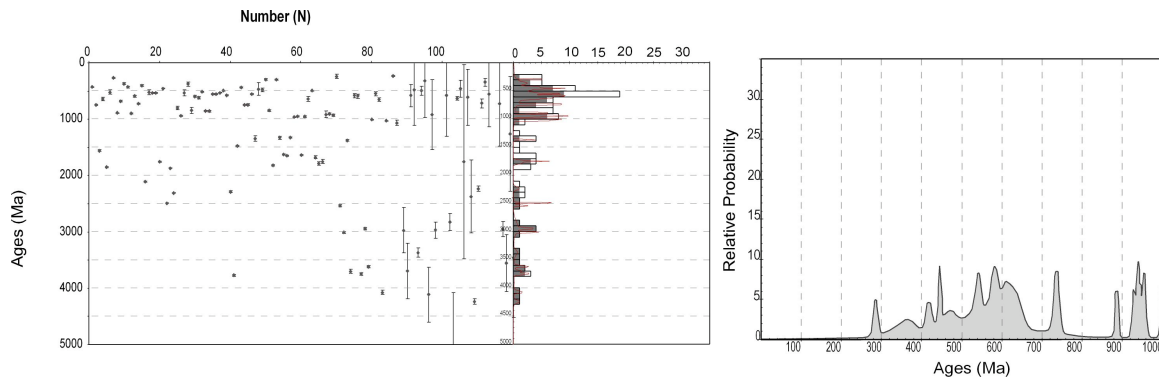
Depositional age: 25.5 Ma (+ 1.5 / - 1.5)



*TREMP BASIN*

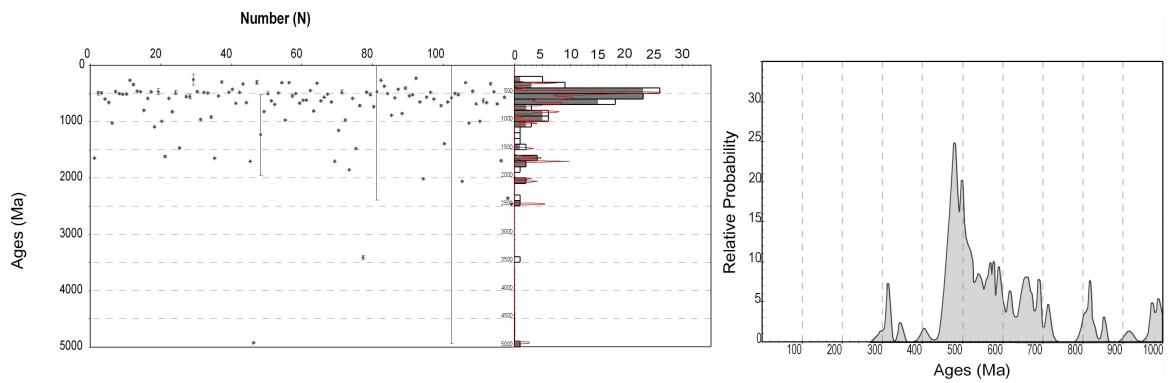
Basal Aren Formation (Trempe Basin)

Depositional age: 73.0 Ma (+ 2.0 / - 2.0)

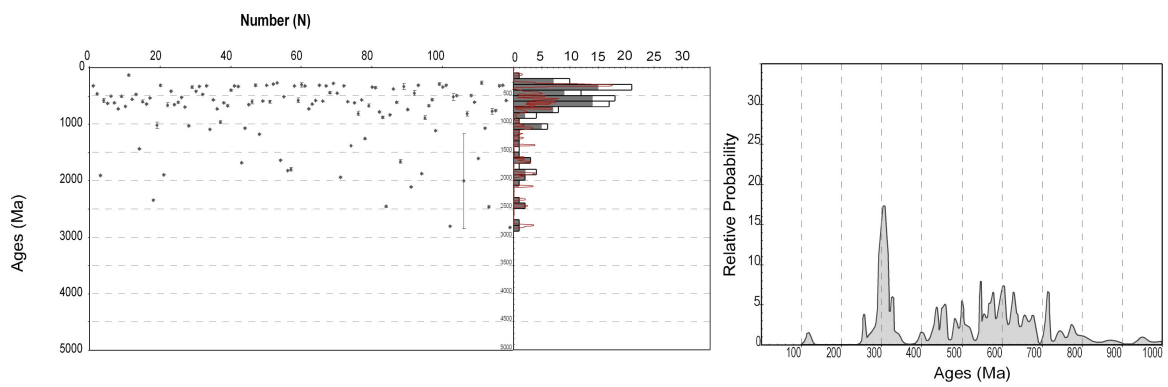


Upper Aren Formation (Trempe Basin)

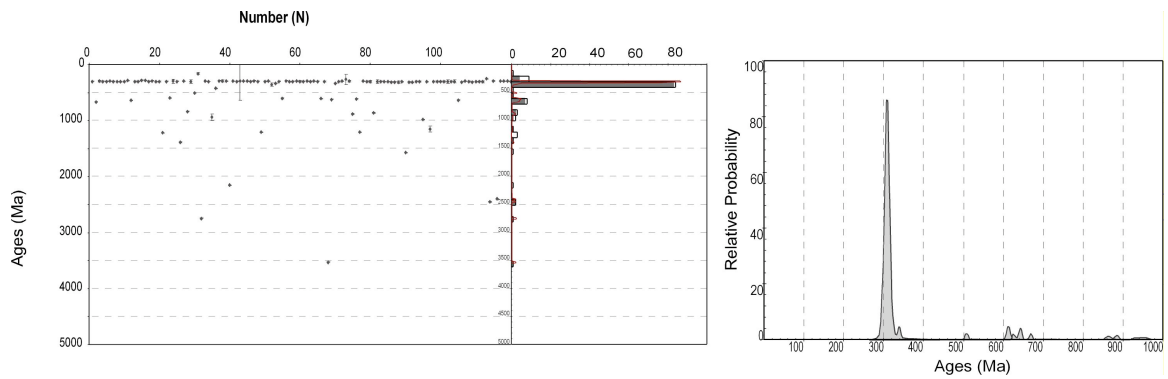
Depositional age: 73.0 Ma (+ 2.0 / - 2.0)



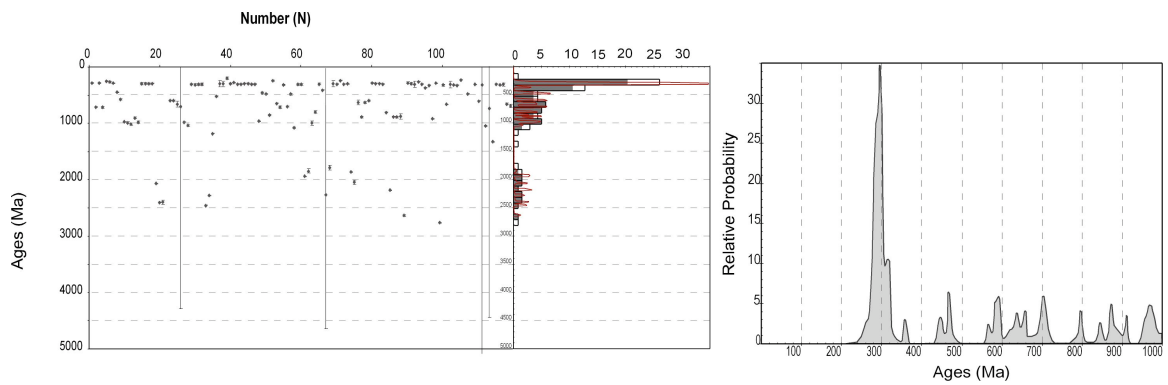
Garumnian Formation (Trempey Basin)  
Depositional age: 57.25 Ma (+ 1.65 / - 1.65)



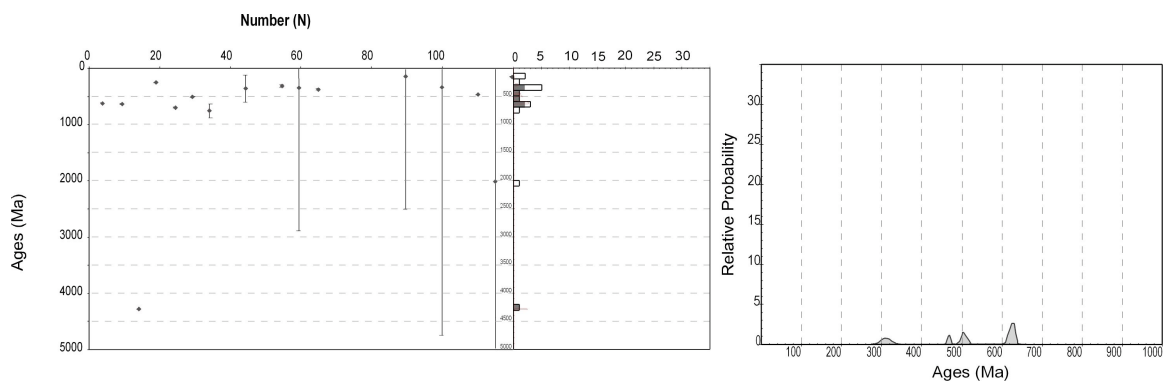
Lower Eocene Roda Sandstone (Trempey Basin)  
Depositional age: ~55.8-48.6 Ma



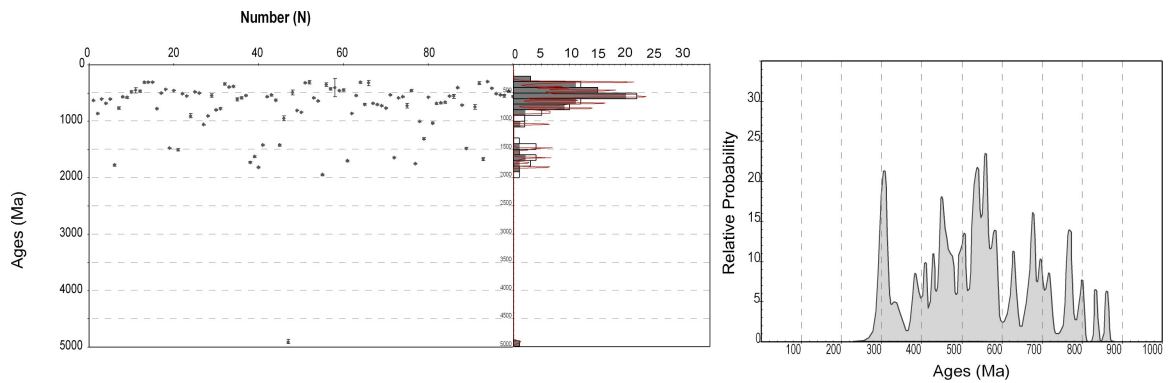
Lower Eocene Castissent Sandstone (Trempey Basin)  
Depositional age: ~55.8-48.6 Ma



Upper Eocene Upper Montanyana Group (Tremf Basin)  
Depositional age: ~37.2-33.9 Ma

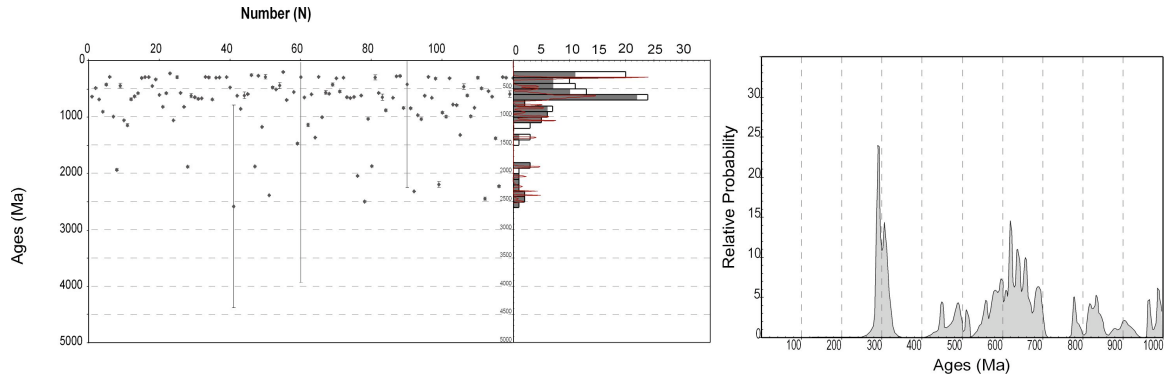


Upper Eocene-Oligocene Campodarbe Conglomerates (Tremf Basin)  
Depositional age: ~37.2-23.0 Ma



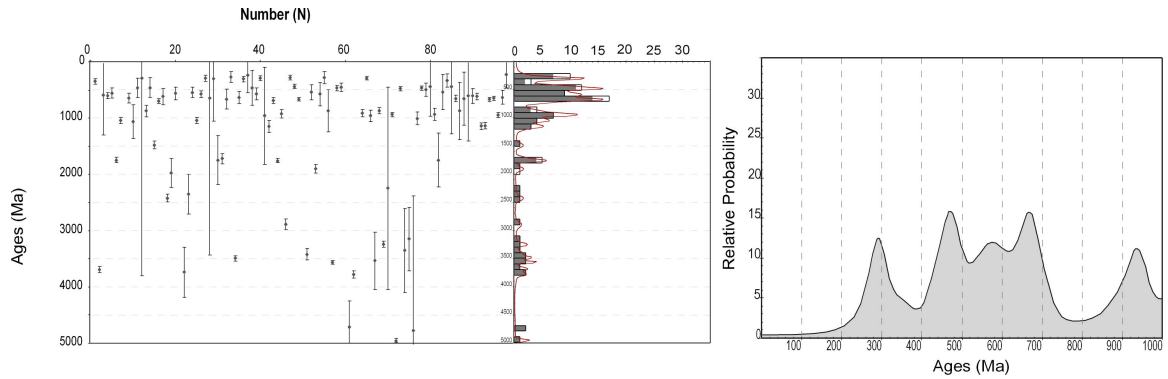
*AGER BASIN*  
Lower Corca Formation (Ager Basin)

Depositional age: 52.5 Ma (+ 0.8 / - 0.8)



Upper Corca Formation (Ager Basin)

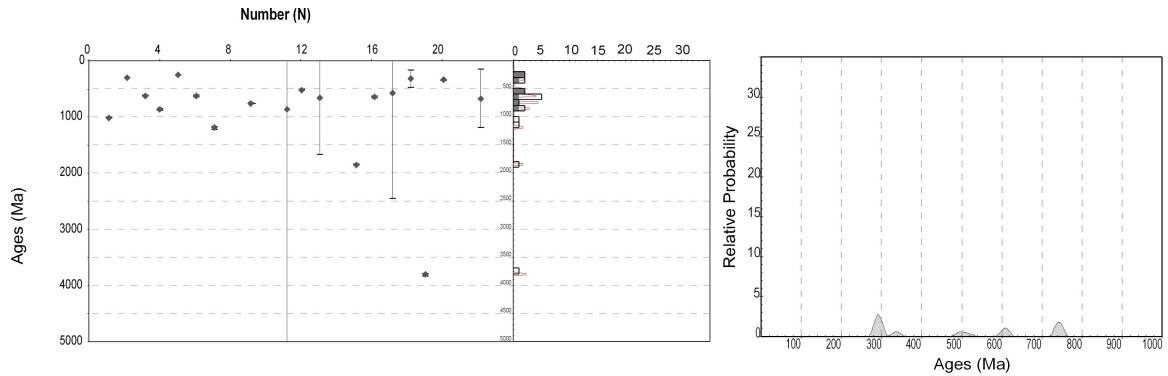
Depositional age: 49.25 Ma (+ 2.05 / - 2.05)



*EBRO BASIN*

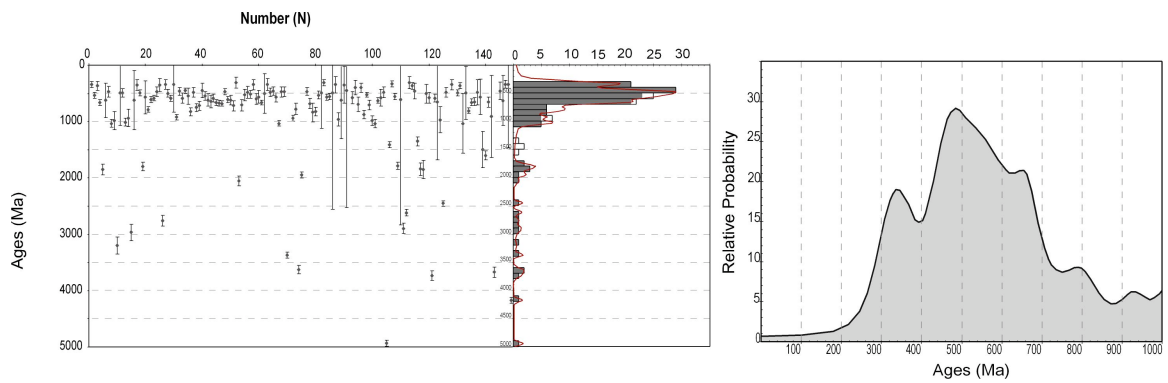
Eocene Camarasa Sandstone (Ebro Basin)

Depositional age: ~55.8-33.9 Ma



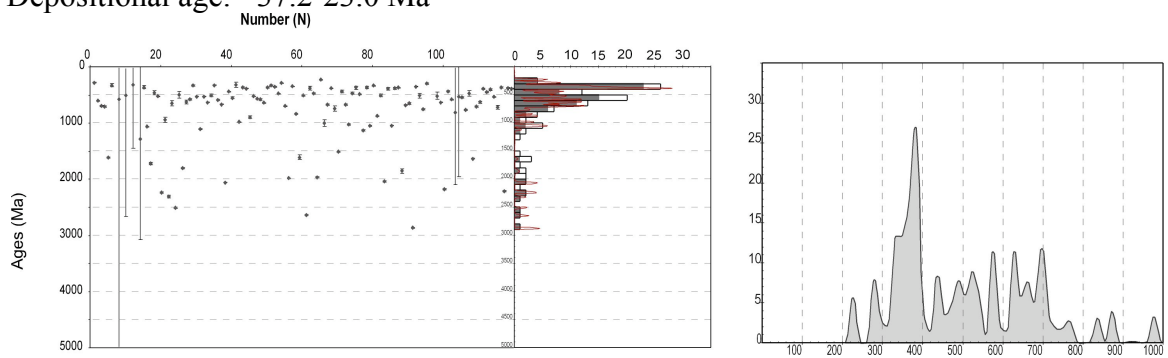
Oliana Conglomerates (Ebro Basin)

Depositional age: 35.15 Ma (+ 1.15 / - 1.15)



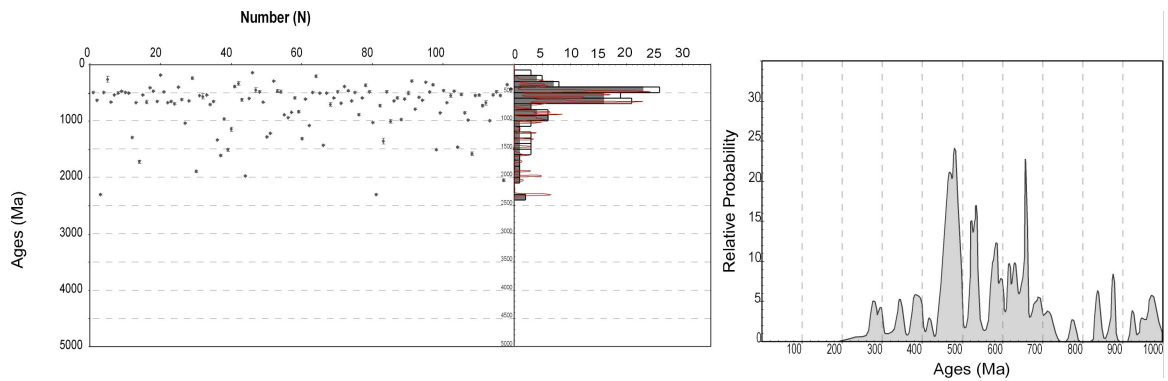
### Upper Eocene-Oligocene Huesca Fan (Ebro Basin)

Depositional age:  $\sim 37.2\text{--}23.0$  Ma



### Ebro Basin Conglomerate (Ebro Basin)

Depositional age:  $26.3$  Ma (+ 1.65 / - 1.65)



### *SIS PALEOVALLEY*

Sis Conglomerate (Sis Paleovalley)

Depositional age: 36.9 Ma (+ 3.1 / - 3.1)

