

8:30 – 9:00	Reception of all the participants
9:00 – 9:15	Welcoming speech
9:15 – 10:15	Bio-Geochemistry
9:15 – 9:30	Molecular and isotopic study of a contemporaneous analog for the Proterozoic Oceans: lake Dziani Dzaha (Mayotte) (D. Sala)
9:30 – 9:45	Comparison of ocean chemistry before and after the Great Oxidation Event with implications for the origin of life (F. Thibon)
9:45 – 10:00	Neurodegenerative diseases: New constraints from Cu and Zn cerebrospinal fluids compositions (L. Sauzéat)
10:00 – 10:15	Understanding copper fluxes in cancerous cells using natural copper isotopic compositions in a model organism (J-L. Cadiou)
10:15 – 10:30	Posters presentation
10:30 – 11:00	Coffee break + posters session
11:00 – 12:00	Extra-galactic
11:00 – 11:15	Supersymmetry in the quest for dark matter particles (G.Robbins)
11:15 – 11:30	Strong gravitational lensing + VLT/MUSE: a new hope for understanding Pandora's cluster (G. Mahler)
11:30 – 11:45	Study of distant faint galaxies in galaxy clusters (J. Martinez)
11:45 – 12:00	Exploring the Outskirts of Distant Galaxies (F. Leclercq)
12:00 – 12:15	Presentation of 2 “laboratoires juniors” (J-L. Cadiou and V. De Zotti)
12:15 – 13:45	Buffet lunch + posters session
13:45 – 14:45	Planetary sciences
13:45 – 14:00	Growing porous grains: a solution to planetary formation problem? (A. Garcia)
14:00 – 14:15	Metal/silicate differentiation and volatile elements depletion in the Solar System: isotopic study of Zn and Sn (Q. Amet)
14:15 -14:30	Estimation of Mars erosion rates from crater size distribution (S. Breton)
14:30 – 14:45	First-principles calculations of Gibbs free energy of mixing of NaCl in body-centered cubic water ice (J-A. Hernandez)
14:45 – 15:15	Coffee break + posters session
15:15 – 16:30	External and internal geodynamics
15:15 – 15:30	Thermal convection in a spherical shell with phase change boundary conditions (A. Morison)

15:30 – 15:45	Quantifying extrinsic anisotropy due to small scale isotropic heterogeneities (C. Alder)
15:45 – 16:00	Developping new methods to study the scattered seismic wavefield (F. Millet)
16:00 – 16:15	A new paleothermometer for evaporitic halite: Brillouin spectroscopy (E. Guillerm)
16:15 – 16:30	Climate effects on the sediment dynamics on coastal areas: the Goulven bay (Brittany) (M. Ragon)
16:30 – 16:45	Prizes awards
16:45 – 17:00	Closing speech
From 17:00	Posters session