

SHORT COURSE IN ISOTOPE PALEOCLIMATOLOGY

G. Zanchetta, E. Regattieri

29-30 May 2017

Dipartimento di Scienze della Terra

Via S. Maria 53 Pisa



Awareness of current global warming have dramatically increased the number of studies on past climate evolution, because paleorecords offers the opportunity to evaluate the natural dynamics of the climate system during periods of little or no human impact and allow to better understand its response to different forcing. In the evolution of our understanding of the Earth climate, isotopes have played a fundamental role and in this short course the main theoretical and practical aspects of the “isotope paleoclimatology” will be discussed.

Program:

29-05 h 11-13 Room 3 G. Zanchetta: An introduction: from the motivations to the isotope definition .

29-05 h 14-16 Room 3 G. Zanchetta: General concepts on stable isotope geochemistry applied to the marine environment.

30-05 h 11-13 Room 3 E. Regattieri: General concepts on stable isotope geochemistry applied to terrestrial carbonate.

30-05 h 14-16 Room 3 E. Regattieri: Case studies from the Mediterranean basin