

Título de la conferencia: La Gran Historia: de la nada al todo.

Dra. Olga García Moreno

Dpto. Geología.

Universidad de Oviedo – CINN (CSIC-UO-PA)

La Gran historia, o Big history, es la nueva manera de acercarse al conocimiento de todo el pasado para unir y establecer las conexiones de nuestros conocimientos de la historia del cosmos, la Tierra, la vida y la humanidad. En esta charla se presentarán los conceptos clave para poder hacer frente a un campo de estudio que abarca, ni más ni menos, los 13.800 millones de años de historia de nuestro Universo; el uso de las distintas escalas espaciales y temporales; ejemplos de casos de estudio y una visión general de las aplicaciones en investigación y docencia de este innovador campo.

Bio:

Professor Olga García Moreno holds a PhD in Geology and teaches at the University of Oviedo. She was awarded with 2 postdoc grants at CSIC (Juan de la Cierva and JAE-Doc), during that period of time, besides of several publications, she was the author of 4 international patents. She is also a researcher at the Center for Nanomaterials and Nanotechnology (CSIC-UO-PA). She was a Visiting Scholar at the University of California, Berkeley, between 2013 and 2016. She has published widely on advanced ceramic nanomaterials and igneous petrology. Her research interests cover phase equilibrium diagrams with applications in petrology and material sciences. She has also experience in experimental petrology and published her PhD dissertation on this topic. She is also interested in cosmochemistry and meteorite petrology. Her laboratory skills include material synthesis (ceramics and glasses), conventional and non-conventional sintering of ceramic materials, chemical (SEM-EDX, EPMA, XRD, XRF), structural and mechanical characterization of materials. Since 2013 she has been introducing Big History (the new integrated approach to our knowledge of the Cosmos, Earth, Life and Humanity) in Spain, together with the role of planetary geology and meteorites in this interdisciplinary approach (<http://ibhanet.org>). She has participated in several Spanish and European projects in the fields of geology and material science funded by both public and private institutions. She has also participated in innovative Geological teaching projects and in numerous science outreach activities