

Personal profile

Dr. Alexandra Constanta DUDU (GEO-ENeRGY editor 2018)



Company

National Institute for Marine Geology and Geoecology - GeoEcoMar

Dr. Alexandra Dudu is currently the editor of the newsletter of the ENeRG Network (GEO ENeRGY).

Dr. Dudu holds a BSc degree in Geophysics from Faculty of Geology of Geophysics, University of Bucharest, and an MSc degree in Evaluation of Sedimentary Basins from the same institution. She recently obtained her PhD degree (2018) in geology from University of Bucharest focusing on evaluation of CO₂ geological storage possibilities for two power plants (major emission sources) from Oltenia region, Romania.

Since 2016, Dr. Dudu is the head of the CO₂ Geological Storage Department from NIRD GeoEcoMar. Her research expertise focusses on interpretation and modeling of geophysical data, CO₂ storage site selection, characterization and monitoring, evaluation of geological energy storage possibilities.

She began her activity in CO₂ geological storage research in 2008 within NIRD GeoEcoMar, contributing to evaluation of CO₂ storage possibilities and estimation of theoretical storage capacity of Romania in the framework of EU GeoCapacity FP6 project. Her research work in the field of CO₂ geological storage continued in national and international projects ("Impact of communication", CO₂Stop, CGS Europe, ENOS). Mrs. Dudu was technical responsible for the elaboration of the Storage Section of the Feasibility Study for GETICA CCS demonstration project and she is coordinating the technical efforts of GeoEcoMar within two ACT projects, ALIGN CCUS and ECO-BASE, both started in 2017 and ending 2020. Dr. Alexandra Dudu also coordinated a national project focused on the identification of geological energy storage possibilities in Romania and of potential CO₂ storage sites in Histria Depression (Black Sea).

Starting from 2011, Dr. Alexandra Dudu was also a lector the Spring Schools on CO₂ geological storage within the framework of CGS Europe and ENOS projects.

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