

Program	Program Nucleu, PN 18 05 02 03
Project title (ENG):	Research regarding soil quality in different intensively agricultural areas of Romania in the context of climate changes - CLIMASOL
Project title (RO):	Cercetari privind stabilirea starii de calitate a solurilor in diferite zone agricole intens cultivate din Romania in contextul schimbarilor climatice – CLIMASOL
Duration	2018
Team Leader	Senior Researcher 3 nd degree Stanescu Bogdan Adrian
Summary ENG (short description)	The main objective of the project is to highlight the current quality of soil and groundwater in different agricultural areas in Romania, in the context of climate changes. The investigations runs in October and November 2018 in several areas of Romania recognized for intensive agricultural specialization in certain types of crops (eg. Matca from Galati county, Baleni from Dambovita county, Gradinari from Olt county- recognized for vegetable growing, Candesti -Voinesti area, from Dambovita County - for apples fruit trees, Dragasani from Valcea county for vine, etc.). Soil and groundwater samples taken from the areas of interest will be characterized by analytical laboratory determinations in order to finally obtain the assessment of the quality status of the environmental components (soil and groundwater) in these intensively cultivated areas.
Summary RO (short description)	Obiectivul general al proiectului este evidentierea starii de calitate actuale a solurilor si apei subterane din diferite zone agricole din Romania, in contextul schimbarilor climatice. Investigatiile se desfasura in perioada octombrie-noiembrie 2018 in mai multe zone din Romania recunoscute pentru profilul agricol intensiv specializat catre anumite tipuri de culturi (exemplu Matca, judetul Galati, Baleni, judetul Dambovita, Gradinari judetul Olt - pentru legumicultura, zona Candesti-Voinesti, judetul Dambovita –pentru pomi fructiferi, Dragasani, judetul Valcea pentru vita de vie etc). Probele de sol si apa subterana prelevate din zonele de interes vor fi caracterizate prin determinari analitice de laborator pentru ca in final sa se obtina evaluarea starii de calitate a componentelor de mediu (sol si apa subterana) in aceste areale intens cultivate.
Results	<ul style="list-style-type: none"> - conceptual model for conducting research on soil quality and groundwater quality in various intensively farmed areas in Romania; - maps of experimental field in selected areas where performed investigations; - database (georeferenced) containing a parametric module (the values of the results for the analyzed quality indicators); - maps and carto diagrams for viewing relevant phenomena regarding the quality of soil and groundwater in the analyzed areas; - Good Practice Guide to Mitigating the Effects of Climate Change on Agricultural Areas in Romania.