

**BENEFICIARY:**

Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences (IEMPAM-BAS)

PROJECT TITLE:

Developmental effects of environment on reproductive health

<http://www.eu-deer.net>

ABSTRACT:

Development of reproductive system during fetal and childhood periods are vulnerable to environmental endocrine disruptors leading to common reproductive disorders. The aims of this proposal are to investigate connections between abnormal early (perinatal) reproductive development and subsequent sexual maturation at puberty and in adulthood as well as obesity metabolic disorders. Established animal models will be used to elucidate mechanisms underlying reproductive disorders by toxicogenomic, proteomic and metabolomic analysis. Data from these studies will identify pathways for study in the human cohorts. Human and experimental data will be combined to create new “cause-effect” frameworks and knowledge networks for further refine the research in critical areas. Novel biomarkers for ED exposure and diseases will be identified. The proposed studies will facilitate prediction and prevention of reproductive disorders and provide large new datasets to improve environmental risk assessment and risk management.

ACRONYM: DEER

PROJECT NUMBER: 212844

FUNDING SCHEME: Collaborative project

WORK PROGRAMME TOPICS: ENV.2007.1.2.1.2.Environment including climate change

DURATION:

01.05.2008 – 01.05.2012



TOTAL BUDGET: 4 615 784 EU

REQUESTED EC CONTRIBUTION: 3 499 034

Total Budget for Bulgaria/IEMPAM-BAS: 103621

Requested EC contribution for Bulgaria/IEMPAM-BAS: 77715

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Partners

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3. Medical Research Council, Human Reproductive Sciences Unit, Edinburgh, UK
4. University of Cordoba, Spain
5. Universite De Rennes 1, France
6. Institute of Experimental Morphology and Anthropology, Bulgarian Academy of Sciences, Sofia, Bulgaria
7. Technical University of Denmark,
8. L'Ecole Nationale Veterinaire De Nantes, France
9. University of Rochester, USA

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