

PROJECT: Prototype Nature Based Solutions (NbS). Control infrastructure for supporting educational and research activities.

SCIENTIFIC DIRECTOR: Vasileios Tsixrintzis

DURATION (MONTHS): 12

DEPARTMENT: Department of Infrastructure and Rural Development

FINANCIER: ELKE

DESCRIPTION: The proposal concerns the construction of a pilot installation within the Zografou Campus where different Nature based Solutions (NbS green roofs and rainwater tanks) will be installed with the aim of evaluating these solutions in terms of climate change adaptation, both quantitatively and qualitatively (urban hydrology). After the construction of the proposed solutions an appropriate system and equipment will be installed for measuring the quality and quantity of runoff, and samples will be collected for conducting quality analyses. In addition, an automatic irrigation and drainage system will be installed on the green roofs. These interventions will serve as a pilot cases study for assessing the effectiveness of these solution at a local level.