

INTELLIGENT WARNING COMPONENT FOR CONTROL CHECKS IN THE GENE BANK SYSTEM

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Abstract. *The development of a system for managing plant genetic resources is aimed at increasing the security of preserving the gene pool in the national gene bank in Bulgaria, which is located in the Institute of Plant Genetic Resources in the town of Sadovo. Currently, over 60,000 samples of various species are stored in it. A main component of the system is related to the management of control checks for seed germination in order to preserve them for reproduction. The article presents the module related to the management of control checks, which are carried out by laboratory technicians in the gene bank. The architecture of the system developed to date and the inclusion of an intelligent agent for tracking and warning when control checks are needed are examined.*

Key words: Intelligent Agents, Plant Genetic Resources, Gene Bank.

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