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Water Research Institute

NATIONAL RESEARCH COUNCIL OF ITALY WWW.IRSA.CNR.IT









The Water Research Institute (IRSA-CNR) was established in 1968 with the task of carrying out research in water resource management and protection, development of water quality analysis methods, and development of innovative drinking and wastewater (urban and industrial) treatment. The Institute is involved in several European and national projects, and task forces promoted by the Environment, Health, Education and Research, Economy and Foreign Ministries together with various public entities (universities, environmental protection agencies, regional and provincial authorities) and private sector companies.



Since its foundation IRSA has been composed of three branches: Brugherio (Monza) in the North, Montelibretti (Rome) in the Centre and Bari in the South. The main research areas are:

POLLUTION SOURCES IDENTIFICATION



GUIDELINES AND METHODOLOGIES FOR THE MANAGEMENT AND PROTECTION OF WATER RESOURCES

DEVELOPMENT OF INNOVATIVE WASTE AND DRINKING WATER TREATMENT PROCESSES, SLUDGE AND WASTE MANAGEMENT AND ENERGY RECOVERY



WATER RESOURCE MONITORING, AQUATIC ECOSYSTEM DYNAMICS, BIOREMEDIATION OF POLLUTED SOILS AND WATERS



A **multidisciplinary approach** is the main distinctive feature and forte of the Institute, with engineers, biologists, chemists, geologists, physicists, hydrologists, etc working together in different research groups.

Within the National Research Council, IRSA belongs to the «Earth and Technologies for the Environment» Department. It also participates in inter-departmental activities and projects.

THEMATIC AREAS



Sustainable management of water resources



Aquatic ecosystems, contaminant behaviour and related effects



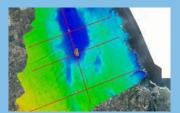
Water treatment processes and innovative technologies



Resource and energy recovery from wastewater treatment,



Contaminated site characterization and remediation



Integrated information analysis and management and smart technologies