

AGROBIODIVERSITY
AND TECHNOLOGY
TRANSFER
FOR A SUSTAINABLE
FUTURE

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THE  ITALIAN
AGRI-FOOD AND
FORESTRY RESEARCH
INSTITUTION



MINISTERO DELL'AGRICOLTURA
DELLA SOVRANITÀ ALIMENTARE
E DELLE FORESTE



ABOUT US



CREA, overseen by the Ministry of Agriculture, Food Sovereignty and Forestry, consists of 12 research centers employing over 1,500 researchers and technologists and technical staff.

CREA works to ensure quality, safety, sustainability and productivity in all agri-food areas, across the entire supply chain, from the producer to the consumer, from soil to table, with a 360 degrees approach.

We have numerous farms and experimental fields where we carry out research under the same conditions in which farmers operate, allowing us to verify the results and facilitate their applicability and transferability, as well as to promote their dissemination among stakeholders and to raise awareness.



OUR RESEARCH CENTRES

Agriculture and Environment: soil conservation and regeneration (conservative and regenerative agriculture); agrometeorology; agricultural practices for soil carbon sequestration increase; agroforestry; time-space modeling of agro and forest ecosystems.

Food and Nutrition: editing of the Guidelines for a healthy diet and of Food Composition Tables; study of the compositional, nutritional and sensorial facets of food; food safety; surveys on Italian population food consumption habits; food education.

Cereals and Industrial Crops: conservation of biodiversity of cereals and industrial plants; development of durum wheat-pasta supply chains and valorization of related by-products in the agricultural, pharmaceutical and medical fields.

Plant Protection and Certification: National Reference Institute for Plant Protection and National Reference Laboratory for viruses, bacteria, fungi, insects, mites and nematodes; certification of pre-multiplication materials and seed materials, and evaluation for registration and/or release of plant variety rights.

Forestry and Wood: National Center for the study and conservation of forest biodiversity; poplar breeding; forest management techniques aimed at increasing soil carbon sequestration; agroforestry; co-author of the National Forest Inventory.

Genomics and Bioinformatics: agro-genomics in support of the competitiveness of Italian agriculture and typical agri-food products; technology transfer between advanced genomic research and the agriculture-seed sector.



Engineering and Agri-food Processing: development of agro-mechatronic, digital and agri-food processing technologies; OECD International Test Centre for Agricultural and Forestry Tractors

Olive, Fruit and Citrus Crops: Conservation of Italy's fruit, citrus, and olive biodiversity for genetic improvement; production sustainability and fruit and by-products derivatives, valorisation of by-products, as well."

Vegetables and Ornamental Crops: genetic improvement in horticulture; enhancement of biodiversity of agricultural interest; agricultural practices to increase soil carbon sequestration; agronomic innovation and eco-compatible protection of horticultural, aromatic, and ornamental species grown in open fields and greenhouses.

Policies and Bioeconomy: A National and European reference point for the analysis of the agri-food system and agricultural policies; liaison body with the EU for the Farm Accountancy Data Network (FADN), with over 11,000 mapped farms supporting agricultural policies; manager of the public Register of carbon credits.

Viticulture and Enology: conservation and production of viticultural biodiversity (table and wine grape); innovative cultivation techniques to ease environmental sustainability, including the soil-landscape-viticulture linkage.

Animal Production and Aquaculture: conservation of zootechnical biodiversity (Lipizzaner horses, UNESCO intangible heritage); animal breeding and breeding of forage and protein species for animal feed; digital technologies for animal welfare and sustainable growth of aquaculture.

WE ARE HERE

