



Centro de
Investigação
de Montanha

2023 factsheet

Year of establishment: 2002

Host Institutions

Polytechnic Institute of Bragança (IPB), Polytechnic Institute of Viana do Castelo (IPVC), Portugal

National status

National R&D unit funded by FCT (Foundation for Science and Technology, Portugal)

Directive board

José Alberto Cardoso Pereira (Coordinator);
Maria Filomena Filipe Barreiro,
Lillian Bouçada de Barros
(Vice-Coordinators)

Research groups

- Socio-Ecological Systems
- Sustainable Processes and Products

Major scientific areas

- Agricultural, forestry and fisheries
- Chemical engineering
- Other engineering and technology sciences

Major fields of expertise/research priorities

- Socio-Ecological resilience
- Sustainable agriculture and innovative agro-food chains
- Processes and products engineering
- Natural and bio-based ingredients

Members

Integrated PhD Members: 75
PhD Students: 131
Other non-PhD: 56
Collaborator Members: 15
Research Contracts: 35
Permanent Contracts: 6

Mission

CIMO conducts research focused on Mediterranean mountain systems following an interdisciplinary approach based on an applied research strategy covering issues and expertise that go from Nature (raw materials, natural resources, biodiversity, agriculture and forest management) to Products (Food or Bio-based materials).

Objectives

CIMO aims to promote research in Mediterranean mountain areas according to the best international practices, promoting scientific observation and experimental development for the conservation, exploitation and scientific valorisation of biodiversity, natural resources, farming and forest systems, and mountain products; to develop sustainable land use systems, improving endogenous research competencies; and linking research and stakeholders promoting sustainable development in mountain areas. CIMO is socially committed at enhancing opportunities and income for and in mountain areas.

Upcoming

major events

- Workshop "Microbial shelf life assessment under new societal challenges", 10-11 May 2023
- International Seminar Arti-SaneFood, 24-25 May 2023
- International Chemical and Biological Engineering Conference (14th CHEMPOR-2023) 12-15 September 2023.
- Mountains 2023 - mountains and islands facing challenges and exploring opportunities together, November 2023, Praia, Cabo, Verde

Facilities

- Labs in Food Technology, Microbiology, Analytical Chemistry, Biochemistry, Biotechnology and Soils (CIMO)
- Labs in Chemical Engineering (former LSRE-LCM/IPB pole)
- Herbarium; Biology, Ecology, Animal Nutrition, Plant Protection and Soil Fertility Labs (IPB – School of Agriculture)
- Experimental Farms, fully equipped, including greenhouses, in two Mediterranean agroecological zones (IPB – School of Agriculture)
- Labs in Life and Earth Sciences, Geomatics and Environmental Systems, plus an experimental farm in the agroecological Atlantic mountain zone (IPVC – School of Agriculture)
- Brigantia EcoPark pilot scale labs

Stake- holders

and knowledge, technology, and innovation transfer

- R&I with the involvement of stakeholders (farmers, industry, services, government)
- Organization and active participation in transfer events and activities
- Strategic collaborative initiatives:
 - More: Mountains of Research CoLAB (FCT; NORTE 2020)
 - Valor Natural® (Mobilizing project; Portugal 2020)
 - Bioma (Mobilizing project; Portugal 2020)
 - GreenShoes 4.0 (Mobilizing project; Portugal 2020)
 - Mountain Art Laboratory (FCT)

Reduzir, Reutilizar, Reciclar  Serviços de Imagem do IPB – Março 2023

Projects

EU

- **ArtiSaneFood** (PRIMA: 2019-2023)
- **INTOMED** (PRIMA: 2019-2023)
- **VALMEDALM** (PRIMA: 2022-2025)
- **PAS-AGRO-PAS** (PRIMA: 2023-2026)
- **PulpIng** (PRIMA: 2020-2024)
- **ValueFarm** (PRIMA: 2020-2023)
- **LOCALNUTLEG** (PRIMA: 2021-2024)
- **MEDIBEES** (PRIMA: 2021-2025)
- **MEDACORNET** (PRIMA: 2023-2026)
- **PRE-HLB** (HORIZON 2020: 2019-2023)
- **OLEAF4VALUE** (HORIZON 2020: 2021-2024)
- **UP4HEALTH** (HORIZON 2020: 2020-2024)
- **BEONNAT** (HORIZON 2020: 2020-2025)
- **NOVATERRA** (HORIZON 2020: 2020-2024)
- **Agroforestry Business Model Innovation Network** (Horizon EU: 2023-2026)

- **BETTER-B** (HORIZON EU: 2023-2027)
- **TOPRA B** (HORIZON EU: 2024-2026)
- **LIFE MARONESA** (LIFE: 2020-2025)
- **Fleurs Locales** (SUDOE: 2020-2023)
- **Application of novel predictive microbiology techniques to shelf-life studies on Listeria monocytogenes in ready-to-eat foods** (EFSA: 2021-2023)
- **Pathogens in foods database** (EFSA: 2022-2026)
- **Biology of xylem-sap feeding insect vectors and potential vectors of Xylella fastidiosa in Portugal** (EFSA: 2022-2025)
- **IPolERA** (EFSA: 2022-2023)
- **Preparatory action for monitoring of environmental pollution using honey bees** (INSIGNIA-EU: 2021-2024)
- **MYCOTOX** (AKDN: 2022-2025)
- **ForestFisher** (Biodiversa+: 2022-2025)

- **SOILING** (EEA Grants: 2022-2023)
- **SILFORE** (LIFE: 2022-2027)
- **LandUnderPressure** (EEA Grants: 2022-2023)
- **ValueComp** (POCTEP: 2021-2023)
- **INBEC** (POCTEP: 2018-2023)

National

34 running projects under the POCI-FEDER (FCT), POCI-SAICT (FCT), PTDC (FCT), PCIF (FCT), COA (FCT), MONTESINHO (FCT), PORTUGAL 2020, PDR 2020, NORTE 2020, PAN AND PROMOVE 2020, including 3 Mobilizing projects (Valor Natural, BIOMA and GreenShoes 4.0).

Networking

Mountain Networks

- Euromontana
- Iberian Mountain Research Network (Directing Committee)
- Lusophony Mountain Research Network (LuMont) (Directors)
- Mountain Partnership (UN) (Steering Committee)
- Mountain Research Initiative (MRI) (Collaborators)
- Network for European Mountain Research (NEMOR) (Members)
- Portuguese Mountain Research Network (Coordinating and Executive Board)

International organizations and networks

- Apimondia
- COLOSS
- Ecosystem Services Partnership
- European Food Safety Authority
- European Land-Use Institute
- FAO SILVAMED Urban and Periurban Forest
- International Committee on Food Microbiology and Hygiene
- International Honey Commission
- International Organisation for Biological and Integrated Control
- International Society for Horticultural Science
- IUFRO Landscape Ecology WP
- Sustainable Bee Breeding
- Red Ibérica de evaluación de eficacia y efectos secundarios de tratamiento para el control de plagas en el olivar
- TP Organics

Funded networks

- ENVABIO100 - Obtenção de filmes biodegradáveis de origem 100% natural para a indústria Alimentar.
- LignoCOST – Establishment of a Pan-European Network on the Sustainable Valorization of Lignin.

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