

Welcome to the Research Area of Bologna



CNR Research Area of Bologna

- It has been inaugurated in 1992
- It is one of the first research areas built by the CNR
- It has been designed by the architect Enzo Zacchioli, author of many outstanding buildings in Bologna (Sala Borsa library in the center of town, the towers where the regional offices are located)
- It hosts 7 CNR institutes and 2 INAF institutes
- It hosts a library (Biblioteca 'Dario Nobile') that can be used by the whole public
- It also hosts the CNR Technopole AMBIMAT, composed by two Public-Private Partnerships (MISTER Smart Innovation and PROAMBIENTE)
- And the INNOVATION ACCELERATOR – structure established in collaboration with Emilia-Romagna Region for the acceleration of companies in collaboration with CNR

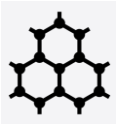
CNR Research Area of Bologna – CNR and INAF Institutes

CNR-ISOF	Institute for Organic Synthesis and Photoreactivity
CNR-IMM	Institute for Microelectronics and Microsystems
CNR-ISMN	Institute of Nanostructured Materials
CNR-ISAC	Institute of Atmospheric Sciences and Climate
CNR-ISMAR	Institute of Marine Sciences
CNR-IBE	Institute for Bioeconomy
CNR-ISP	Institute of Polar Sciences

INAF-OAS	Astrophysics and Space Science Observatory
INAF-IRA	Institute of Radioastronomy

Institutes inside
the Research
Area
(via Gobetti)

CNR Research Area of Bologna – Research Sectors



Materials and
Technologies

Chemical Sciences (ISOF, ISMN)
Nanotechnologies (ISOF, ISMN, IMM)
Material Science (ISOF, ISMN, IMM)
Micro- and Nano-Electronics (IMM)



Environment

Atmospheric and Climate Sciences (ISAC)

Marine Sciences (ISMAR)
Bio-Agro-Food Sciences (IBE)
Polar Sciences (ISP)



Medicine

Biomedical Sciences (IGM)



Law

Law Sciences (IGSG)



Informatics

Information Engineering Sciences (IEIIT)



Cosmos

Space Sciences (OAS, IRA)

The ISAC institute

- **A multidisciplinary research approach to understand a changing world**

3 research main topics



Climate and
meteorology
modelling and Earth
observation



Impacts on
environment,
cultural heritage and
human health



Atmospheric
composition, climate
forcing, air quality



ISAC premises

Headquarter
ISAC - Bologna

ISAC - Torino

ISAC - Padova

ISAC - Cagliari

ISAC - Lecce

ISAC - Roma

ISAC - Lamezia Terme

● Observatories





ISAC Observational infrastructures

Osservatorio Atmosferico
CIRAS - Roma



North Pole:
Osservatorio
Artico Dirigibile
Italia - Ny Alesund



South Pole
Terranova Bay
Dome C



Osservatorio Climatico Ambientale - Capo
Granitola
GAW-WMO regional station



Osservatorio Climatico Po Valley
"O. Vittori" - M.te Cimone- *GAW-
WMO regional station*



Osservatorio Composizione
Atmosferica Po Valley - San Pietro
Capofiume



Osservatorio CNR Bologna



Osservatorio Climatico-
Ambientale Lecce - *GAW-WMO
regional station*



Osservatorio Climatico Ambientale -
Lamezia Terme-*GAW-WMO regional
station*



ISAC and satellite observations

- Strong involvement in the design, analysis and exploitation of satellite instruments
- ISAC researchers are members of the Mission Advisory Groups of several ESA missions (i.e. EarthCARE, FORUM, WIVERN)
- ISAC research groups involved in many ESA, ASI and EUMETSAT projects
- ISAC instrumentation used to validate satellite instruments

**HAVE a pleasant stay in bologna and in
our research area**

