

Knowledge transfer

ISAC works on research and development, innovation and technology transfer towards the public sector, SMEs and industries in general in the field of environmental monitoring, energy production, aerospace, new technologies for air traffic safety, informatics, conservation of cultural heritage, agriculture.

The ISAC Institute

- 👍 includes research groups recognized as international leaders
- 👍 has representatives at the highest level in international organizations and editorial boards
- 👍 has extensive experience in the coordination of national / international projects (currently 34 EU projects including 5 coordinated by ISAC) and the transfer of results to international organizations (IPCC, JPI, European Commission)
- 👍 Provides expertise on sustainable development of society, with activities requested by ministries (MATTM, MIBACT, Civil Protection), Regions and other public institutions

Education, teaching and dissemination

ISAC participates in synergy with schools and universities to training in the territories where it operates. In the last four years it has contributed to 90 university courses (Bologna, Rome, Padua, Ferrara, Cagliari, Brescia), 119 thesis, 26 schools (organization, management or teaching). Participates in scientific Festival, workshops and debates. ISAC has developed "The path of the Atmosphere» a teaching course at the Mt.Cimone station. It is also involved in the educational projects: "The Language of Research", "SperimEstate", "Start laboratories".



<http://www.isac.cnr.it> – PEC: protocollo.isac@pec.cnr.it

SEDE DI BOLOGNA Via P. Gobetti 101 - 40129 Bologna - Tel. +39 051 6399626
 U.O.S. ROMA Via Fosso del Cavaliere, 100 - 00133 Roma – Tel. +39 06 49934554
 U.O.S. LECCE Strada Prov.le Lecce-Monteroni Km 1,200 - 73100 Lecce - Tel. +39 0832 298813
 U.O.S. TORINO Corso Fiume 4 - 10133 Torino - Tel. +39 011 6606376
 U.O.S. PADOVA Corso Stati Uniti 4 - 35127 Padova - Tel. +39 049 8295611
 U.O.S. LAMEZIA TERME Zona Industriale area ex SIR - 88046 Lamezia Terme (CZ) - Tel. +39 0968 209150
 U.O.S. CAGLIARI c/o Dipartimento di Fisica, Università di Cagliari - Strada Provinciale Monserrato Sestu Km. 0,700 - 09042 Cagliari - Tel. +39 070 6754905



Institute of Atmospheric Sciences and Climate

Director Cristina Sabbioni - direzione@isac.cnr.it



Who we are

ISAC is the largest research Institute on atmospheric and climate sciences within CNR and in Italy. It covers a wide range of experimental and modelling research topics. Headquarters are in **Bologna** with supporting units (UOS) in **Roma, Lecce, Torino, Padova, Cagliari** and **Lamezia Terme**

Research Topics

- ⇒ **Climate**: modelling, reconstruction of climate and its variations
- ⇒ **Earth observations and meteorology**: forecast models, radarmeteorology and satellite observations
- ⇒ **Atmospheric composition** from local to global scale
- ⇒ Transport and dispersion in the atmosphere for **air quality**
- ⇒ Satellite remote sensing of the **ocean**
- ⇒ Natural, environmental and anthropogenic hazards to the **cultural heritage**

ISAC ranks 1st among the Institutes of the Department of Earth Sciences and Environmental Technologies of CNR in the 2011-2014 evaluation

Isac in numbers

YEAR	Research (permanent Staff)	ISI Articles	Pub. per res	Projects (N)	Total project funding	External funding per year
2015	78	150	1,9	191	44,10 M€	4,20 M€
2014	81	169	2,1	148	33,40 M€	6,80 M€
2013	77	173	2,2	142	33,60 M€	4,80 M€



Supersite Roma



Supersite Bologna

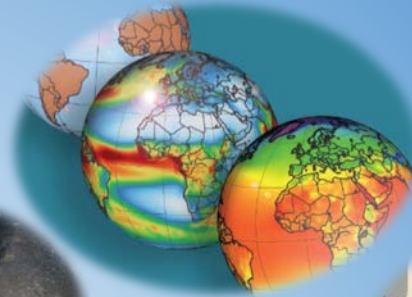
ISAC runs **7 permanent observatories for atmospheric monitoring**, including the high altitude observatory "Ottavio Vittori" at 2165 m a.s.l. on Mt. Cimone, part of the Global Atmospheric Watch (GAW) network, of the World Meteorological Organization (WMO); and two urban supersites (Bologna and Roma)



«O.Vittori» station Mt. Cimone



Environmental and Climate observatory Lecce



Environment

ISAC conducts research on environment, climate and atmospheric impacts on health, ecosystems and cultural heritage using experimental and modelling methods and instrumentation developed in house

