



MACC-II

Monitoring Atmospheric Composition and Climate - Interim Implementation

MACC-II

is the third in a series of projects funded by the European Commission and the European Space Agency since 2005 with the aim of establishing the atmospheric Copernicus service and of providing pre-operational precursor products. MACC-II is funded under the 7th Framework Programme, involving a consortium of 36 partners from 13 countries led by ECMWF. MACC-II will run until July 2014, when the operational phase of Copernicus is expected to start.

By combining satellite and in situ observations with advanced numerical models based upon latest science insight, MACC-II delivers high-quality environmental information services that have little equivalent worldwide. MACC-II not only monitors atmospheric composition over time, but also provides forecasts of air quality, dust storms, fire emissions and solar/UV radiation for a few days ahead both globally and in more detail for Europe. Furthermore, it supports studies of pollution events and possible responses to mitigate their effects, annual assessments of air quality, and the monitoring of greenhouse gases and their sources and sinks at the Earth's surface.

Users from most countries in the world already access MACC-II products, which are freely available at <http://atmosphere.copernicus.eu>. MACC-II's continued provision of coherent atmospheric data and information, either directly or via value-adding downstream services, is for the benefit of European citizens and helps meet global needs as a key European contribution to the Global Climate Observing System (GCOS) and the encompassing Global Earth Observation System of Systems (GEOSS).

Information on MACC-II at www.copernicus-atmosphere.eu.
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ECMWF	European Centre for Medium-Range Weather Forecasts
EC-DG-JRC	European Commission - Joint Research Centre
EAA	Umweltbundesamt GMBH
BIRA-IASB	Institut d'Aéronomie Spatiale de Belgique
FMI	Ilmatieteen Laitos
ARMINES	Association pour la Recherche et le Développement des Méthodes et Processus Industriels
CEA	Commissariat à l'Énergie Atomique et aux Énergies Alternatives
CERFACS	Centre Européen de Recherche et Formation Avancée en Calcul Scientifique
CNRS	Centre National de la Recherche Scientifique
INERIS	Institut National de l'Environnement Industriel et des Risques
MF-CNRM	Météo-France
UPMC	Université Pierre et Marie Curie - Paris 6
DLR	Deutsches Zentrum für Luft- und Raumfahrt e.V.
DWD	Deutscher Wetterdienst
IUP-UB	Universität Bremen
JÜLICH	Forschungszentrum Jülich GMBH
MPG	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.
RIUUK	Rheinisches Institut für Umweltforschung an der Universität zu Köln e.V.
ULEI	Universität Leipzig
AA	Academy of Athens
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NUIG	National University of Ireland, Galway
KNMI	Koninkrijk Nederlands Meteorologisch Instituut
SRON	Netherlands Institute for Space Research
TNO	Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek
VUA	Vrije Universiteit Amsterdam
MET.NO	Meteorologisk Institutt
NILU	Norsk Institutt for Luftforskning
IM	Instituto de Meteorologia
AEMET	Agencia Estatal de Meteorología
SMHI	Sveriges Meteorologiska och Hydrologiska Institut
CERC	Cambridge Environmental Research Consultants Ltd
KCL	King's College London
UKMET	Met Office
ULEIC	University of Leicester
UNIVLEEDS	University of Leeds

