

## **Dr. VINCENZO LEVIZZANI**

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### **Work.**

Director of Research of CNR.

### **Research interests.**

Structure of precipitating systems; Physics of intense storms using radar and satellites; Satellite precipitation estimation; Severe weather analysis; Climatology of precipitation.

### **International activities.**

Visiting Scientist at the European Organization for the Exploitation of Meteorological Satellites (EUMETSAT) (1998-2001).

Member - Working Group on Data Management and Analysis (WGDMA) of the Global Energy and Water Cycle Experiment (GEWEX) of the World Climate Research Programme (WCRP), a program of the World Meteorological Organization (WMO) (2000-2004).

Chairman - Applications Expert Group on Nowcasting and Very Short Range Forecasting for EUMETSAT's Meteosat Third Generation (2001-2002).

Chairman and founder - International Precipitation Working Group (IPWG) of the Coordination Group for Meteorological Satellites (CGMS), sponsored by WMO (2001-2004).

Member - European Commission-NASA Earth Science Working Group (2001).

Member – Advisory Council, European Severe Storms Laboratory (ESSL) (2002-2016).

Member - International Commission on Clouds and Precipitation (ICCP) of the International Association of Meteorology and Atmospheric Sciences (IAMAS) (2004-2012).

Chairman - WCRP-GEWEX Working Group on Precipitation Radar Networks (WGPRN) (2006-2013).

Chairman - Scientific Application Group, METimage sensor EUMETSAT Post EPS satellite (2009-present).

Member - GEWEX Hydroclimatology Panel (2011-2013).

Member - Mission Advisory Group, Geosounder mission of the European Space Agency (ESA) (2013-2017).

Member - WMO's Commission on Atmospheric Sciences (CAS) (2013-2015).

Co-Chairman, GK-2A Satellite Algorithm Review Team, Korean Meteorological Administration (KMA) (2015 - 2018).

Member of the American Meteorological Society Hydrologic Research Awards Committee (2015-2018)

Italian National Delegate with the WMO Commission on Atmospheric Sciences (CAS) (2017-2018).

### **Memberships of scholarly societies.**

American Meteorological Society (AMS), American Geophysical Union (AGU), European Geosciences Union (EGU), Fellow of the Royal Meteorological Society (FRMetS).

### **Reviewing activities.**

*Adv. Geosci., Adv. Water Resources, Aerobiologia, Annales Geophysicae, Atmos. Environment, Atmos. Res., Geophys. Res. Lett., IEEE Trans. Geosci. Remote Sens., Int. J. Environment and Pollution, J. Atmos. Oceanic Technol., J. Appl. Meteor. Climatol., J. Geophys. Res., J. Hydrology, Meteor. Atmos. Phys., Mon. Wea. Rev., Quart. J. Roy. Meteor. Soc., Remote Sens. Environ., Tellus.* Associate Editor of *Atmospheric Research*.

Member of review boards for CONICET, ESA, EUMETSAT, Italian Space Agency (ASI), NASA, NCAR, NOAA, NRL, South African National Research Foundation, Space Research Organization Netherlands (SRON), UK Natural Environment Research Council (NERC), Univ. of California Irvine, Univ. of Connecticut, Univ. of Maryland, Univ. of Texas Austin (USA), Univ. of Birmingham, Univ. of Leeds, Univ. of Reading, Univ. of Sussex (UK), Univ. of Otago (NZ), Bar-Ilan University, Hebrew Univ. of Jerusalem (IL), WMO.

### **National and international projects.**

Italian coordinator of the field activities within the Mesoscale Alpine Programme (MAP) and member of the MAP-Coordination and Implementation Group.

Coordinator of CNR bilateral projects with CONICET (Argentina), KOSEF (Korea) and MOS (Israel).

Coordinator of projects: ASI, National Group for the Prevention of Hydrogeological Disasters (GNDCI), ESA, EUMETSAT.

Coordinator of the EURAINSAT project and partner of the MUSIC, CARPE DIEM, RISK-AWARE, RISKMED, ANTISTORM, GLOWASIS and earthH2Observe of the 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> Framework Programmes of the European Commission.

### **Teaching.**

Visiting Professor at the Universidad Nacional de Cordoba (Argentina), Univ. of Urbino, ARPA Emilia-Romagna, Univ. of Firenze, Univ. of L'Aquila.

Professor of Satellite Meteorology, Master in Applied Meteorology, Univ. of Bologna.

Professor of Cloud Physics, Dept. of Physics, Univ. of Bologna (2004-present).

Tutor of 37 degree theses in Atmospheric Physics and Meteorology (Univ. of Bologna), 4 PhD theses (Univ. of Bologna and Evora).

### **Publications.**

Author of **93** papers on international peer-reviewed journals, **99** papers on international conference proceedings, **7** papers on popular journals, **47** invited presentations at international conferences, **125** presentations at international conferences without published paper, **44** papers on national journals and national conference proceedings, **33** scientific reports, **33** contributions to books, **4** times book editor.