
Russian Studies in Meteorology and Atmospheric Sciences from 2003 to 2006

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Every four years the Section of Meteorology and Atmospheric Sciences (SMAS) of the National Geophysical Committee (NGC), Russian Academy of Sciences, prepares a review of the basic results of atmospheric research in Russia for the General Assembly of the International Union of Geodesy and Geophysics (IUGG), which includes the International Association of Meteorology and Atmospheric Sciences (IAMAS). The IUGG is comprised of eight international associations. In addition to the IAMAS, there are the International Association of Geodesy (IAG), the International Association of Geomagnetism and Aeronomy (IAGA), the International Association of Hydrological Sciences (IAHS), the International Association for Physical Sciences of the Ocean (IAPSO), the International Association of Seismology and Physics of the Earth's Interior (IASPEI), the International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI), and the new (launched in 2007) International Association of Cryospheric Sciences. The regular SMAS review was prepared for the XXIV General Assembly of the IUGG (July 2–13, 2007, Perugia, Italy).

The SMAS review was based on reports prepared by the following ten commissions (similar to the IAMAS commissions): on atmospheric chemistry and global pollution (Chairman I.K. Larin, Institute of Energy Problems and Chemical Physics of the Russian Academy of Sciences), atmospheric electricity (Chairman V.N. Stasenko, Roshydromet), climate (Chairman I.I. Mokhov, A.M. Obukhov Institute of Atmospheric Physics of the Russian Academy of Sciences), clouds and precipitation (Chairman N.A. Bezrukova, Central Aerological Observatory), dynamic meteorology (Chairman V.N. Lykosov,

Institute of Numerical Mathematics of the Russian Academy of Sciences), the middle atmosphere (Chairman A.A. Krivolutsky, Central Aerological Observatory), planetary atmospheres and their evolution (Chairman O.I. Koroblev, Space Research Institute of the Russian Academy of Sciences), polar meteorology (Chairman A.I. Danilov, Arctic and Antarctic Research Institute), ozone (Chairman N.F. Elansky, A.M. Obukhov Institute of Atmospheric Physics of the Russian Academy of Sciences), and radiation (Chairman Yu.M. Timofeev, St. Petersburg State University). This material was published in English in the form of collected papers with a small circulation.¹ Along with this, it seems useful and reasonable to publish sufficiently detailed information on the basic directions of atmospheric and climatic studies in the periodical *Izvestiya Rossiiskoi Akademii Nauk, Fizika Atmosfery i Okeana* (*Izvestiya, Atmospheric and Oceanic Physics*), which is the leading Russian journal in this field. The reports presented by the chairmen of the national commissions were discussed at a large SMAS meeting at the NGC in December 2006.

*Chairman of the Section of
Meteorology and Atmospheric Sciences
of the National Geophysical
Committee of the Russian Academy
of Sciences, Corresponding
Member of the Russian Academy of
Sciences, I.I. Mokhov*

¹ *Russian National Report. Meteorology and Atmospheric Sciences. 2003–2006*. Ed. by I.I. Mokhov and A.A. Krivolutsky. National Geophysical Committee RAS, MAX Press, Moscow, 2007, 180 p.