

Institute of Atmospheric Optics

Partner contact person : [V.I. Perevalov](#)

IAO is the leading institute of the Russian Academy of Sciences (RAS) in the fields of

atmospheric optics, ecological monitoring and climate changing. The team from this institute involved into the project deals with the modeling of high resolution spectra of the molecules of atmospheric and astrophysical interests. This team in collaboration with LPMAA (CNRS, France) has elaborated Carbon Dioxide Spectroscopic Databank (CDSD) and in collaboration with GSMA (CNRS, France) does Spectroscopic Databank on Ozone Molecule. On the basis of these databanks it was elaborated two respective Internet accessible information systems.

Key persons :**[Laboratory of Theoretical Spectroscopy, Division of Atmospheric Spectroscopy](#)**

V.I. Perevalov is the head of the Laboratory of Theoretical Spectroscopy (DR).

Expertise : scientific leader in the modeling of high resolution spectra of molecules of the atmospheric and astrophysics interests and in the elaboration of the database of molecular spectral line parameters.

Role in VAMDC project : coordinator of IAO node, molecular expert, CDSD database, NA2, JRA2.

Y.L. Babikov, Research engineer.

Expertise : Information system management.

Role in VAMDC project : CDSD and S&MPO databases, NA2, JRA2.

S.A. Tashkun, Senior Researcher (DR).

Expertise : Molecular expert.

Role in VAMDC project : CDSD database, JRA2.

S.N. Mikhailenko, Senior Researcher (DR).

Expertise : Molecular expert.

Role in VAMDC project : S&MPO database, JRA2.

Centre of the Integrated Information Systems

A.Z. Fazliev, Senior Researcher (DR).

Expertise : Information system management.

Role in VAMDC project : Distributed information system W@DIS, NA2, JRA2

A.I. Privesetsev, Researcher.

Expertise : Semantic metadata management.

Role in VAMDC project : implementation of software processing metadata, JRA2.

A.V. Kozodoev, Researcher.

Expertise : Database management.

Role in VAMDC project : implementation of software processing data, JRA2.

N.A. Lavrentiev

Role in VAMDC project : WP7

E.M. Kozodoeva

Role in VAMDC project : WP7

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