



## The Norwegian Cooperation Programme with Romania Individual Project

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| <b>Romanian Atmospheric Research 3D Observatory</b>  |   |
| <b>Romania</b>   |   |
| <b>Project Promoter:</b><br>National Research and Development<br>Institute of Optoelectronics INOE 2000  | <b>Partner (main):</b><br>NORSK INSTITUTT FOR LUFTFORSKNING<br>(NILU)                     |
| <b>Type of Applicant:</b> public research entity   | <b>Type of partner:</b> private research entity   |
| <b>Other partners:</b> <ul style="list-style-type: none"> <li>• A.I.Cuza University of Iasi</li> <li>• Babes Bolyai University of Cluj-Napoca</li> <li>• Polytechnics University of Timisoara</li> <li>• National Administration of Meteorology</li> <li>• Horia Hulubei National Institute of Physics and Nuclear Engineering</li> <li>• Faculty of Physics of the University of Bucharest</li> </ul> |   |
| <b>Grant amount awarded:</b><br>EUR 2 430 000  | <b>Total eligible project cost:</b><br>EUR 2 870 000                                      |
| <b>Grant rate:</b> 85%   | <b>Case no:</b> 2008/115266   |
| <b>Planned project duration:</b><br>May 2009-April 2011  | <b>Project web-site:</b><br><a href="http://www.inoe.ro/RADO">http://www.inoe.ro/RADO</a> |

**Short project description:**

The objective of the project is to improve air research capabilities in Romania that will allow a better observation and understanding of atmospheric and hydrologic processes and as such enable well-informed policy making in the field of environment.

**Expected results:**

*Component 1 - Infrastructure*

- One Romanian Atmospheric Research 3D Observatory (RADO) consisting of an Observation Network, a Data Centre and a Science Centre - established and ready for operation.

This result will consist in the construction of a 2-floor, 200 sqm-footprint **building** to host the Data and Science Centres, as well as the procurement/development and installation of **equipment** such as lidar systems, sunphotometres, particle sizers, CO2 and O3 monitors, weather stations, radioactivity monitors, UV and IR cameras, servers, modelling software etc. All Romanian partners will be part of the observational network and will submit their data to RADO.

*Component 2 - Institutional capacity building/Human Resources*

- 9 staff recruited and employed in support of the operation of the Observatory (7 senior and junior researchers, 1 IT and 1 marketing staff)
- measurement and data handling procedures developed and implemented at all observation stations
- 2 proposals for the integration of RADO into European networks - developed
- At least 15 staff from all the partner institutions involved in scientific consultation sessions in Norway.

*Component 3 - Awareness raising and dissemination*

- At least 2 international workshops and other science-related meetings organised
- At least 2 polls on public awareness - implemented
- Exhibition/awareness programmes organised for professionals and laymen alike (with focus on attracting children to science) - developed and implemented
- Publicity materials and events (such as spots and movies, posters, open events like conferences, website and portal, leaflets and brochures) - developed and organised.