



Profiles of Partners Project NADIA

Noise Abatement Demonstrative and Innovative Actions and information to the public

Life 09 ENV IT 000102



C.I.R.I.A.F (www.ciriaf.it)

The CIRIAF - Interuniversity Research Centre Pollution from Physical Agents "Mauro Felli"- is a university research center established in 1997 between the **University of Perugia** and the **University of Roma Tre**. The **University of Florence**, **Pisa**, **L'Aquila**, **Rome "La Sapienza"**, **Politecnico di Bari** joined the Center as well as, more recently, the **Pavia**, **Cassino** and **Salento Universities**.

The Centre has its administrative headquarters at the University of Perugia.

The aims of the Centre are to coordinate, promote and carry out fundamental and applied research in the field of physical agents and the effects they generate, whether direct or indirect, in particular on the environmental, territorial, socio-economic and health.

The CIRIAF has advanced laboratories and equipment, highly qualified personnel and a structure articulated at national scale. In recent years the activities of CIRIAF was of considerable interest primarily to the **Ministry of the Environment and the Ministry of Communications - Institute of Communications and Information Technology ISCTI**, who signed with the CIRIAF a number of agreement on technical and scientific support for the drafting of regulations on noise, electromagnetic compatibility and electromagnetic pollution and on innovative integrated systems for noise reduction and exploitation of renewable energy.

The CIRIAF has also obtained funding from **MIUR (projects FISIR)** for a project concerning the role of the construction industry on greenhouse gas emissions and climate change.

There are many European projects in which CIRIAF is involved.

In addition, among its statutory objectives, the CIRIAF has initiatives to encourage training, science, interdisciplinary collaboration in environmental matters.

To this end, CIRIAF has promoted some editions of a **Masters in Environmental Acoustics** and the first edition of a **Master in efficiency and energy certification of buildings** and has worked with the University of Pavia to organize courses on "**Energy Certification of Buildings in the Region of Lombardy**".

The CIRIAF organized an annual **National Congress on "Sustainable Development, Environmental Protection and Human Health"**, to put together national and international research currently under way.

With regard to the specific field of **Environmental Acoustics**, CIRIAF is engaged for years in applied research and consultancy on behalf of companies of national relevance, from ministries and local authorities: photometric measurements and acoustic monitoring, acoustic classification plans, noise mapping, assessments of population exposed to noise, noise impact assessment, noise abatement plans, plans to reduce noise of transport infrastructures.

Among many activities we must remember the trials of innovative acoustic barriers, with integrated photovoltaic modules, conducted on behalf of the **Ministry of Environment**, the assessment of noise impact of coal-fired power plants, conducted on behalf of **ENEL**, the abatement with ventilated windows of the noise of motorway within the city of *Genoa* conducted on behalf of **Autostrade**, the plan of containment and abatement of noise from roads managed by the **Province of Perugia** (2800 km). Noise mapping of the East ring-road, conducted on behalf of the **City of Rome**, the study of noise pollution of protected areas (parks), conducted on behalf of **ISPRA**.