



Project proposal

Project Title: Action to reduce the energetic impact of the buildings of the area of Europe of the east

Project Acronym: **ARIHEE – Action for Reduction Energetic Impact of European Heritage**

Priority Axis 2: Protection and improvement of the environment

AoI 2.4 Promote Energy and re source efficiency

Project Duration: **36 months**

Short Project Description: The project foresees the definition of a series of procedures framed in a methodological run to effect an energetic audit and an inventory of the building patrimony and to predispose lines drives to reach specific target for use of renewable sources and to contain energetic requirement. The project foresees an analysis of the built one typical of the Mediterranean area identifying the typical constructive formalities for historical periods through "light audit" and "detailed" and an analysis of the energy englobed in the construction materials for the different building typologies and banks given of national materials. The project with the energetic inventory foresees a system of updating in continuous of the energetic certifications, of the audits and of the interventions of energetic retrofit to the purpose **check** the energetic impact on territorial staircase and to conduct elaborations.

They are anticipated also actions and procedures finalized to assure the good result of the interventions to improve energetic efficiency of new and existing buildings. Other objective of the project is that to make the dialogue more effective among the involved subjects what planners, builders, technicians, managers of the building and organs of control and energetic distribution.

Main Objectives: To promote the retraining, the guardianship and the exploitation of the environment as well as the energetic efficiency with the purpose to bait processes of growth and sustainable development.

Possible integrative elements on the admissibility and the priority of the proposal of project:

Energetic Auditing of the buildings with protocols of inspection, report of the results with technical and financial indicators and use of instrumentation for the environmental **check** - analysis of the performances of the consumptions of primary energy of the buildings - development of evolutionary models for the energetic

diagnosis, of the energetic performances of the building also founded on the distance survey of parameters of operation and consumption to use in the phase of validation of the built for measuring the performances of the building solutions or **systems** - audit on public buildings - elaboration of the picked data and environmental **check** to maximize the information - procedures of commissioning finalized to the optimization of the phases of mass in work and regulation of components and systems of the building - lines drives for supporting planning and realization of buildings with elevated energetic efficiency - methodologies for the feasibility study for the application of renewable energetic sources.

Estimated Total Budget: 1.800.000 euro