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**Environmental research to improve
energy efficiency in historical
buildings**

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Sub-Activity 6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat

Topic of the call :

**EeB.ENV.2010.3.2.4-1 « Compatible
solutions for improving the energy
efficiency of historic buildings in urban
areas »»**





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Objectives of the topic

- **New technologies, systems and tools as well as compatible materials to make historic buildings energy efficient**
- **Integrated approach considering inside and outside of historic buildings**
- **May include indoor climate for collections, galleries)**
- **Include monitoring & control of energy consumption**



SEVENTH FRAMEWORK
PROGRAMME



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Specific conditions required for cultural heritage

- **Integrity, authenticity and compatibility between old and new materials as well as techniques,**
- **Planning & demonstration of rehabilitation works to consider the specific cultural value of the historic building**
- **But interventions should also be applicable to a wider range of historic buildings**



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Specific conditions (continued)

- **Significant participation of industrial partners and SMEs required**
- **Participation of local authorities or agencies in charge of rehabilitation encouraged**



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Expected impacts

- **“Quantification” of energy saving applied to historic buildings and monuments**
- **Transferrability of technologies, systems and tools for widespread applications in historic cities**
- **Contribution to:**
 - EU Environmental Impact Assessment Directives (ref SUIT guidelines)
 - Regulations on EU Energy performance of buildings (especially for protected and non protected historical buildings)
- **Improved quality management of historic cities and cultural tourism**





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Thank you for your attention!

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