Efficient ENergy for EU Cultural Heritage

Fact Sheet

Project Information

3ENCULT
Grant agreement ID: 260162
Status
Closed project
Start date 1 October 2010
End date 31 March 2014

Funded under
FP7-ENVIRONMENT
Overall budget € 6 704 955,74
EU contribution € 4 990 475

Coordinated by
ACCADEMIA EUROPEA DI BOLZANO
Italy

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RESEARCH*EU MAGAZINE
Women in science — and research to improve women’s lives

Objective

The project 3ENCULT bridges the gap between conservation of historic buildings and climate protection, which is not an antagonism at all: historic buildings will only
and climate protection, which is not an antagonism at all: historic buildings will only survive if maintained as living space. Energy efficient retrofit is useful for structural protection as well as for comfort reasons - comfort for users and “comfort” for heritage collections. The joint task of conservation and energy efficient retrofit is highly interdisciplinary.

The 3ENCULT consortium consists of scientists and stakeholders, especially on the level of SMEs, from the fields of diagnostics, conservation, building physics, sustainability, architecture and lighting up to cybernetics, thus guaranteeing both, the development of sustainable solutions and the impact on European economy.

Eight case studies will demonstrate and verify solutions that are applicable to the majority of European built heritage in urban areas. Building owners and local historic preservation agencies are integrated in local case study teams.

3ENCULT will demonstrate the feasibility of “Factor 4” to “Factor 10” reduction in energy demand, depending on the case and the heritage value. The main objectives are the development of passive and active solutions for conservation and energy efficient retrofit including available products as well as new developments by involved SMEs, the definition of diagnosis and monitoring instruments, the long term monitoring (also for IEQ controlling) and the planning and evaluation tools and concepts supporting the implementation, the quality assurance and control of success of the energy retrofit measures. Guidelines will be disseminated to the scientific and public community.

Finally, position papers will be issued suggesting possible integrations and/or implementations of the present regulation framework for improving energy efficiency of historic buildings in urban areas and in particular EPBD and Environmental Impact Assessment as well as Aalborg Commitments and Leipzig Charter.

Field of science

/social sciences/economics and business/economics/sustainable economy
/engineering and technology/environmental engineering/waste management/energy efficiency

Programme(s)

Topic(s)

Call for proposal

FP7-2010-NMP-ENV-ENERGY-ICT-EeB

Funding Scheme
# Coordinator

ACCADEMIA EUROPEA DI BOLZANO

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
<th>EU contribution</th>
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<tbody>
<tr>
<td>Viale Druso 1 39100 Bolzano, Italy</td>
<td>Research Organisations</td>
<td>€ 826 426</td>
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</table>

Website [ ]  
Contact the organisation [ ]

Administrative Contact
Alexandra Troi (Dr.)

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# Participants (22)

## DET KONGELIGE Danske Kunstakademis Skoler for Arkitektur, Design og Konservering.

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
<th>EU contribution</th>
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</thead>
<tbody>
<tr>
<td>Philip De Langes Alle 10 1435 København</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 271 568</td>
</tr>
</tbody>
</table>

Website [ ]  
Contact the organisation [ ]

Administrative Contact
Torben Dahl (Prof.)

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## INSTITUT FUR DIAGNOSTIK UND KONSERVIERUNG VON DENKMALEN IN Sachsen UndSachsen-Anhalt EV

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
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<tr>
<td>Scholssplatz 1 01067 Dresden</td>
<td>Other</td>
</tr>
</tbody>
</table>

Website [ ]  
Contact the organisation [ ]

Administrative Contact
Ellen Schmid-Kamke (Ms.)
UNIVERSITAET INNSBRUCK

Austria
EU contribution
€ 345 530
Address
Innrain 52
6020 Innsbruck
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Pfluger Rainer (Dr.)

OVE ARUP & PARTNERS INTERNATIONAL LIMITED

United Kingdom
EU contribution
€ 185 772
Address
Fitzroy Street 13
W1T 4BQ London
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation
Administrative Contact
Matteo Orlandi (Mr.)

TECHNISCHE UNIVERSITAT DARMSTADT

Germany
EU contribution
€ 236 062,92
Address
Karolinenplatz 5
64289 Darmstadt
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Andre Klatt (Mr.)

FUNDACION CARTIF

Spain
EU contribution

€ 247 500

Address
Pq Tecnologico Boecillo 205
47151 Boecillo

Activity type
Research Organisations

Administrative Contact
Daniel Martin Calle (Mr.)

Website
Contact the organisation

BARTENBACH GMBH

Austria
EU contribution
€ 329 523.47

Address
Rinner Strasse 14
6072 Aldrans

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

Administrative Contact
Wilfried Pohl (Mr.)

TECHNISCHE UNIVERSITAET DRESDEN

Germany
EU contribution
€ 365 920

Address
Helmholtzstrasse 10
01069 Dresden

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact
Matthias Winker (Mr.)

COMUNE DI BOLOGNA

Italy
EU contribution
€ 137 930

Address

Activity type
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<th>Organization</th>
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<td>FEIST WOLFGANG</td>
<td>Passivhaus Institut, Rheinstrasse 44 46, 64283 Darmstadt</td>
<td>€ 256 600</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
</tr>
<tr>
<td>NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO</td>
<td>Anna Van Buerenplein 1, 2595 DA Den Haag</td>
<td>€ 91 158</td>
<td>Research Organisations</td>
</tr>
<tr>
<td>ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA</td>
<td>Piazza Maggiore 6, 40124 Bologna</td>
<td>€ 374 854</td>
<td>Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)</td>
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<td>ARTEMIS SRL</td>
<td>Italy</td>
<td>€ 156 380</td>
<td>Via Brecce Bianche (C/o Università Politecnica Delle Marche) 60131 Ancona</td>
</tr>
<tr>
<td>GELBISON ELECTRONICS S.R.L.</td>
<td>Italy</td>
<td>€ 35 747,53</td>
<td>Via Rapagnano 80/A 00138 Rome</td>
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<td>GRUPO UNISOLAR S.A.</td>
<td>Spain</td>
<td>€ 113 222</td>
<td>Ctra Candelario Km 1.8</td>
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</tbody>
</table>
Ctra Candelario Km 1.8
37700 Bejar Salamanca
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Website

Administrative Contact
Juan Avellaner (Dr.)

CONTACT DETAILS

MENUISERIE ANDRE SARL
France
EU contribution
€ 158 724
Address
Route De Chantemerle Les Bles 163
26260 Chavannes
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Website

Administrative Contact
Mathilde Andre (Ms.)

Contact the organisation

REMMERS BAUSTOFFTECHNIK GMBH
Germany
EU contribution
€ 154 684
Address
Bernhard-remmers-str. 13
49624 Löningen
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

Administrative Contact
Jens Engel

ATREA SRO
Czechia
EU contribution
€ 106 200
Address: V Aleji 20
466 01 Jablonec Nad Nisou

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Website: [Contact the organisation]

Administrative Contact: Daniel Moravec (Mr.)

---

YOURIS.COM

Address: Dreve Du Pressoir 38
1190 Brussels

Activity type: Other

Website: [Contact the organisation]

Administrative Contact: Mario Martinoli (Mr.)

---

ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)

Address: Leopoldring 3
79098 Freiburg Im Breisgau

Activity type: Other

Website: [Contact the organisation]

Administrative Contact: Maryke Van Staden (Mrs.)

---

FEDERATIE VAN VERENIGINGEN VOOR VERWARMING EN LUCHTBEHANDELING IN EUROPA VERENIGING

Address: De Mulderij 12
3831 NV Leusden

Activity type: Other

EU contribution: € 82 080

EU contribution: € 144 950

EU contribution: € 76 320
UNIVERSITAET STUTTGART
Germany
EU contribution
€ 160 195,08

Address
Keplerstrasse 7
70174 Stuttgart

Activity type
Higher or Secondary Education Establishments

Administrative Contact
Anita Derjanecz (Ms.)

Contact the organisation

Website

Administrative Contact
Harald Garrecht (Prof.)

Contact the organisation

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