## EUREKABUILD PROPOSALS

### 1. SUSTAINABLE BUILT ENVIRONMENT

<table>
<thead>
<tr>
<th>No.</th>
<th>Proposal Title</th>
<th>Company/Institute Proposer Name – Contact person</th>
</tr>
</thead>
</table>
| 1.1 | Selection criteria of glazing in buildings in the tertiary sector | Centre for Renewable Energy Sources – Div. of Energy Efficiency – Dept. of Buildings, Greece  
M. Kikira (mkiki@cres.gr)  
**Potential Consortium**  
- Uniglass Ltd, Greece  
- Greek Federation of Glaziers & Artisans of Glass Panes, Greece  
- Aluminium Association of Greece  
**Partners that expressed interest**  
- Technical and Test Institute for Construction Praha, Czech Republic  
  J. Klouda (klouda@tzus.cz)  
- Britt, Romania  
  V. Rotaru (v.rotaru@rctp.ro)  
- Democritus University of Thrace, Greece  
  A. Dimoudi (adimoudi@env.duth.gr) |
| 1.2 | Environmental strategies in retrofitting of University buildings | National Technical University of Athens - Environmental Management Unit, Greece  
E. Trianti (etrianti@chemeng.ntua.gr)  
**Potential Consortium**  
- ICS DUELL - High technology environmental applications  
- PYROGENESIS - Ecological waste disposal  
- The Delamore Group  
- ISTO Ltd - Construction and consulting  
**Partners that expressed interest**  
- Technical and Test Institute for Construction Praha, Czech Republic  
  J. Klouda (klouda@tzus.cz)  
- Britt, Romania  
  V. Rotaru (v.rotaru@rctp.ro)  
- Democritus University of Thrace, Greece  
  A. Dimoudi (adimoudi@env.duth.gr) |
| 1.3 | “Ecologic Education Building”: Interventions planned for an existing education building, in order to become energy self-sufficient | Municipality of Thessaloniki – Dept. of Building Constructions, Greece  
V. Kyriakou (vanta@civil.auth.gr)  
**Partners that expressed interest**  
- Technical and Test Institute for Construction Praha, Czech Republic  
  J. Klouda (klouda@tzus.cz)  
- Centre for Renewable Energy Sources – Div. of Energy Efficiency – Dept. of Buildings, Greece  
  M. Kikira (mkiki@cres.gr) |
| 1.4 | Development of sustainable advanced concrete technologies based on ecologic and economic assessment of the expected lifetime cycle | Tecnochem Italiana S.p.A., Italy
R. Vaes (rolandvaes@hotmail.com; info@tecnochem.it)

*Partners that expressed interest*
- National Technical University of Athens - Sch. of Chemical Engineering - Sect. of Materials Science & Engineering, Greece
  - A. Moropoulou (amoropul@central.ntua.gr)
- TITAN Cement Company S.A., Greece
  - Em. Chaniotakis (haniotakise@titan.gr)
- Technical and Test Institute for Construction Praha, Czech Republic
  - J. Klouda (klouda@tzus.cz)
- Britt, Romania
  - V. Rotaru (v.rotaru@rctp.ro)
- Democritus University of Thrace, Greece
  - A. Dimoudi (adimoudi@env.duth.gr)
- CERECO S.A., Greece
  - K. Stournaras (cjstournaras@cereco.gr; cereco@otenet.gr)
- Technical University of Crete, Dept. of Mineral Resources Engineering, Greece
  - G. Triantafyllou (gtriant@mred.tuc.gr)
- Obrascon Huarte Lain S.A., Spain
  - T. Sanchez – Segura (segura@ohl.es)
- HOD Technological Development, Austria
  - P. Kremnitzer (peter.kremnitzer@porr.at)
- TEI of Western Macedonia, Greece
  - K. Vatalis (kvatalis@teikoz.gr)
  - O. Manoliadis (omanoliadis@yahoo.com) |
| 1.5 | Development of new methods for the ecological restoration of roadsides: ecosystems and landscapes (ROADSCAPE) | Obrascon Huarte Lain S.A., Spain
I. Mola Caballero (imola@ohl.es)

*Partners that expressed interest*
- Greek Institute of Geology & Mineral Exploitation
  - M. Grossou – Valta (valta@tee.gr; igmedtem@ath.forthnet.gr) |
| 1.6 | Tiles for lining building facades imitating the skin functions for heating/heat dissipation in buildings | National Technical University of Athens - Sch. of Civil Engineering - Dept. of Structural Engineering, Greece
J. Tzouvadakis (itzouvad@central.ntua.gr)

*Partners that expressed interest*
- CERECO S.A., Greece
  - K. Stournaras (cjstournaras@cereco.gr; cereco@otenet.gr)
- Britt, Romania
  - V. Rotaru (v.rotaru@rctp.ro)
- Democritus University of Thrace, Greece
  - A. Dimoudi (adimoudi@env.duth.gr)
- Greek Institute of Geology & Mineral Exploitation
  - M. Grossou – Valta (valta@tee.gr; igmedtem@ath.forthnet.gr) |
| 1.7 | Empirical research for the innovative performance of the Greek enterprises: The case of construction | Liaison Office of the Technological Educational Institute of Athens, Greece  
D. Kitsou (diames@teiath.gr)  
*Partners that expressed interest*  
- Brit, Romania  
- V. Rotaru (v.rotaru@rctp.ro)  
- Cracow University of Technology, Poland  
A. Kwiecien (akwiecie@pk.edu.pl) |
| 1.8 | Prefabricated terrace floor slabs for the creation of a “green roof” with low plants | Attiko Metro S.A., Greece  
D. Batsos (dbatsos@ametro.gr)  
*Partners that expressed interest*  
- Democritus University of Thrace, Greece  
A. Dimoudi (adimoudi@env.duth.gr) |
| 1.9 | Sustainable architectural design presupposes the capability of sustainable building construction |  
- M2K architects, Greece  
**M. Katsaros** (m.katsaros@m2k.gr)  
- Democritus University of Thrace – Dept. of Civil Engineering, Greece  
**K. Sideris** (kksider@civil.duth.gr)  
*Potential Consortium*  
- Anastasiades Company of Building Enterprises, Greece  
- Tekton S.A. Ready Mix Concrete & Aggregate Company, Greece  
*Partners that expressed interest*  
- BASF Chemical Company, Greece  
- TITAN Cement Company S.A., Greece  
- Tecnochem Italiana S.p.A., Italy  
**R. Vaes** (rolandvaes@hotmail.com; info@technochem.it)  
- Evonymos Ecological Library, Greece  
**M. Chondrou-Karavasili** (evonymos@tee.gr; ritakar@tee.gr)  
- HOD Technological Development, Austria  
**P. Kremnitzer** (peter.kremnitzer@porr.at)  
- TEI of Western Macedonia, Greece  
**K. Vatalis** (kvatalis@teikoz.gr)  
**O. Manoliadis** (omanoliadis@yahoo.com) |
| 1.10 | Resources and Buildings – Energy – Materials – Environment: Integrated approach with respect to overall sustainability agenda | Czech Technical University in Prague – Fac. of Civil Engineering, Czech Republic  
**P. Hajek** (petr.hajek@fsv.cvut.cz)  
**J. Tywoniak** (jan.tywoniak@fsv.cvut.cz)  
*Partners that expressed interest*  
- Brit, Romania  
- V. Rotaru (v.rotaru@rctp.ro)  
- Democritus University of Thrace, Greece  
A. Dimoudi (adimoudi@env.duth.gr)  
- HOD Technological Development, Austria  
**P. Kremnitzer** (peter.kremnitzer@porr.at) |
## EUREKABUILD PROPOSALS
### 2. LIVING CULTURAL HERITAGE

<table>
<thead>
<tr>
<th>No.</th>
<th>Proposal Title</th>
<th>Company/ Institute Proposer Name – Contact person</th>
</tr>
</thead>
</table>
| 2.1 | Repair and protection of cracked masonries in seismic areas by use of the Flexible Joint Method | Cracow University of Technology, Poland  
A. Kwiecien (akwiecie@pk.edu.pl)  
*Partners that expressed interest*  
- Technical and Test Institute for Construction  
  Praha, Czech Republic  
  J. Klouda (klouda@tzus.cz)  
- Brit, Romania  
  V. Rotaru (v.rotaru@rctp.ro) |
| 2.2 | Sustainable reconstruction of educational and cultural spaces in peripheral communities | Evonymos Ecological Library, Greece  
M. Kourouzidis (evonymos@tee.gr)  
*Potential Consortium*  
- National Technical University of Athens -  
  Environmental Management Unit, Greece  
- National Technical University of Athens – Sch.  
  of Civil Engineering, Greece  
- ICS DUELL - High technology environmental applications  
- PYROGENESIS - Ecological waste disposal  
- The Delamore Group  
- ISTO Ltd - Construction and consulting  
*Partners that expressed interest*  
- Brit, Romania  
  V. Rotaru (v.rotaru@rctp.ro)  
- Evonymos Ecological Library, Greece  
  M. Chondrou-Karavasili (evonymos@tee.gr; ratakari@tee.gr) |
| 2.3 | New systems to monitor the long term behavior of historic buildings | Labein Tecnalia - Building and Territorial Development Unit, Spain  
I. Rodriguez – Maribona (isabel@labein.es)  
- Fundacion Santa Maria La Real, Spain  
  V. Cobo Garcia (vacobo@santamarialareal.org)  
*Partners that expressed interest*  
- Technical and Test Institute for Construction  
  Praha, Czech Republic  
  J. Klouda (klouda@tzus.cz)  
- Centre for Renewable Energy Sources – Div. of Energy Efficiency – Dept. of Buildings, Greece  
  M. Kikira (mkiki@cres.gr)  
- Cracow University of Technology, Poland  
  A. Kwiecien (akwiecie@pk.edu.pl)  
- Technical University of Crete, Dept. of Mineral Resources Engineering, Greece  
  G. Triantafyllou (gtriant@mred.tuc.gr)  
- HOD Technological Development, Austria  
  P. Kremsnitzer (peter.kremsnitzer@porr.at)  
- Institute of Engineering Seismology & Earthquake Engineering  
  Th. Salonikios (salonikios@itsak.gr) |
| 2.4 | Using innovative GPR techniques for environmental and archaeological studies | Geomorph Instruments, Greece  
M. Arvanitis (info@geomorph.gr) |
| 2.5 | Redevelopment of an entire urban area in Thessaloniki historical center by creating a city hotel | Metropolis Architecture, Greece  
V. Metallinou (vivianna@aias.gr)  
*Partners that expressed interest*  
- Britt, Romania  
  - V. Rotar (v.rotaru@rctp.ro)  
- Institute of Engineering Seismology & Earthquake Engineering  
  - Th. Salonikios (salonikios@itsak.gr) |
| 2.6 | Sustainability and cultural heritage | Municipality of Thessaloniki – Dept. of Building Constructions, Greece  
V. Kyriakou (vanta@civil.auth.gr)  
*Partners that expressed interest*  
- Centre for Renewable Energy Sources – Div. of Energy Efficiency – Dept. of Buildings, Greece  
  - M. Kikira (mkiki@cres.gr)  
- Technical University of Crete, Dept. of Mineral Resources Engineering, Greece  
  - G. Triantafyllou (gtriant@mred.tuc.gr) |
| 2.7 | Assessment of appropriate monitoring methods for the mitigation of hydro-geological hazards’ impact on tourist cultural sites | National Technical University of Athens – Sch. of Rural and Surveying Engineering - Centre for the Assessment of Natural Hazards and Proactive Planning, Greece  
A. Laoupi (alaoupi@otenet.gr)  
C. Mitsakaki (topocris@central.ntua.gr)  
*Potential Consortium*  
- National Observatory of Athens, Greece  
- University of Patras – Dept. of Geology, Greece  
- OMAS Cyprus Ltd.  
- National Centre for Scientific Research, France  
- University of Oxford – Dept. of Earth Sciences, United Kingdom  
*Partners that expressed interest*  
- Liaison Office of the Technological Educational Institute of Athens, Greece  
  - V. Chatzikian (hatzikia@otenet.gr) |
<table>
<thead>
<tr>
<th>2.8</th>
<th>Development of restoration materials and interventions for the earthquake protection of historic buildings</th>
</tr>
</thead>
</table>
| National Technical University of Athens - Sch. of Chemical Engineering - Sect. of Materials Science & Engineering, Greece  
A. Moropoulou (amoropul@central.ntua.gr) | Potential Consortium |
| National Technical University of Athens - Sch. of Civil Engineering – Structural Engineering Div., Greece  
P. Karydis (pcarydis@central.ntua.gr) | o |
| National Technical University of Athens, Sch. of Civil Engineering - Structural Engineering Div., Greece  
K. Syrmakezis (isaarsyr@central.ntua.gr) | o |
| TITAN Cement Company S.A., Greece  
Em. Chaniotakis (haniotakise@titan.gr) | o |
| Earthquake Planning & Protection Organisation, Greece  
N. Papadopoulos (npapadop@oasp.gr) | o |
| University of Pavia - Dept. of Structural Mechanics, Italy  
F. Casciati (Fabio@dipmec.unipv.it) | o |
| SME SIART s.r.l., Italy  
Syracuse University – Sch. of Architecture  
University of Ljubljana, Slovenia  
R. Zarnic (roko.zarnic@fgg.uni-lj.si) | o |
| Greek Institute of Geology & Mineral Exploitation  
M. Grossou – Valta (valta@tee.gr; igmedtem@ath.forthnet.gr) | Partners that expressed interest |
| Cracow University of Technology, Poland  
A. Kwiecien (akwiecie@pk.edu.pl) | o |
| Technical University of Crete, Dept. of Mineral Resources Engineering, Greece  
G. Triantafyllou (gtriant@mred.tuc.gr) | o |
| Obracon Huarte Lain S.A., Spain  
T. Sanchez – Segura (segura@ohl.es) | o |
| HOD Technological Development, Austria  
P. Kremnitzer (peter.kremnitzer@porr.at) | o |
| TEI of Western Macedonia, Greece  
K. Vatalis (kvatalis@teikoz.gr) | o |
| O. Manoliadis (omanoliadis@yahoo.com) | o |
2.9 Protection of masonries against rising damp by innovative plasters – Design and application of innovative systems for the conservation of the traditional masonries

<table>
<thead>
<tr>
<th>National Technical University of Athens - Sch. of Chemical Engineering - Sect. of Materials Science &amp; Engineering, Greece</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Moropoulou (<a href="mailto:amoropul@central.ntua.gr">amoropul@central.ntua.gr</a>)</td>
</tr>
</tbody>
</table>

Potential Consortium

- MAPEI Hellas S.A., Greece
  - J. Koropoulis (j.koropoulis@mapei.gr)
- University Ca Foscari of Venice, Italy
  - G. Biscontin (bisco@unive.it)
- Colorificio San Marco, Italy
  - R. Mazzari (renzo.mazzari@sanmarcogroup.it)
- Superintendence of Venice, Italy
  - R. Codello (rcodello@arti.beniculturali.it)
- Arcadia Ricerche srl., Italy
  - G. Driussi (arcadia@vegapark.ve.it)
- INSULA spa, Italy
  - M. Regini (michele.regini@insula.it)

Partners that expressed interest:

- Technical and Test Institute for Construction Praha, Czech Republic
  - J. Klouda (klouda@tzus.cz)
- CERECO S.A., Greece
  - K. Stournaras (cjstournaras@cereco.gr; cereco@otenet.gr)
- Brit, Romania
  - V. Rotaru (v.rotaru@rctp.ro)
- Greek Institute of Geology & Mineral Exploitation
  - M. Grossou – Valta (valta@tee.gr; igmedtem@ath.forthnet.gr)
- Cracow University of Technology, Poland
  - A. Kwiecien (akwiecie@pk.edu.pl)
- Tecnochem Italiana S.p.A., Italy
  - R. Vaes (rolandvaes@hotmail.com; info@tecnochem.it)
- Technical University of Crete, Dept. of Mineral Resources Engineering, Greece
  - G. Triantafyllou (gtriant@mred.tuc.gr)
- HOD Technological Development, Austria
  - P. Kremnitzer (peter.kremnitzer@porr.at)
### 2.10 Design and engineering of highly ductile concretes and mortars for new construction and preservation of cultural heritage in case of earthquakes, flooding, terrorist attack etc.

- **Tecnochem Italiana S.p.A., Italy**
  - **R. Vaes** (rolandvaes@hotmail.com; info@tecnochem.it)
  - **Partners that expressed interest**
    - Cracow University of Technology, Poland:
      - **A. Kwiecien** (akwiecie@pk.edu.pl)
    - Technical and Test Institute for Construction Praha, Czech Republic:
      - **J. Klouda** (klouda@tzus.cz)
    - CERECO S.A., Greece:
      - **K. Stournaras** (cjstournaras@cereco.gr; cereco@otenet.gr)
    - Britt, Romania:
      - **V. Rotaru** (v.rotaru@rctp.ro)
    - Institute of Engineering Seismology & Earthquake Engineering:
      - **Th. Salonikios** (salonikios@itsak.gr)
    - Obrascon Huarte Lain S.A., Spain:
      - **T. Sanchez – Segura** (segura@ohl.es)
    - HOD Technological Development, Austria:
      - **P. Kremnitzer** (peter.kremnitzer@porr.at)

### 2.11 Intangible cultural heritage: indigenous knowledge and practice concerning the natural environment

- **Technical University of Crete, Greece**
  - **M. Skoula** (mskoula@mail.tuc.gr)
  - **Partners that expressed interest**
    - Britt, Romania:
      - **V. Rotaru** (v.rotaru@rctp.ro)
    - Technical University of Crete, Dept. of Mineral Resources Engineering, Greece:
      - **G. Triantafyllyou** (gtriant@mred.tuc.gr)

### 2.12 Understanding and recognizing cultural heritage significance in bridges (Heritage Bridges)

- **University of Zagreb – Fac. of Civil Engineering & Civil Engineering Institute, Croatia**
  - **J. Radic** (jradic@grad.hr)
  - **Potential Consortium**
    - Universidad de Valladolid - Laboratorio Fotogrametria Arquitectonica, Spain
    - University Basque Country – Fac. of Architecture, Spain
    - EURA Conservation Ltd., United Kingdom
    - University of Ljubljana, Slovenia
    - University of Venice, Italy
    - Politecnico di Milano, Italy
  - **Partners that expressed interest**
    - TEI of Western Macedonia, Greece:
      - **K. Vatalis** (kvatalis@teikoz.gr)
    - **O. Manoliadis** (omanoliadis@yahoo.com)
| 2.13 | Development of innovative technologies and methodologies for monitoring, conservation and decision making regarding cultural heritage preventive conservation and protection | European Construction Technology Platform – Focus Area “Cultural Heritage” – Working Group 2 “Materials” Coordinators  
*Partners that expressed interest*
- Cracow University of Technology, Poland
  - A. Kwiecien (akwiecie@pk.edu.pl)
- Institute of Engineering Seismology & Earthquake Engineering
  - Th. Salonikios (salonikios@itsak.gr)
- Liaison Office of the Technological Educational Institute of Athens, Greece
  - V. Chatzikiann (hatzikia@otenet.gr)
- Obracon Huarte Lain S.A., Spain
  - T. Sanchez – Segura (segura@ohl.es)
- HOD Technological Development, Austria
  - P. Kremnitzer (peter.kremnitzer@porr.at) |
| 2.14 | Conservation and Revealing of Cultural Heritage and Sustainability and Protection of Environment along European Motorways: The case of Egnatia Motorway in Northern Greece | Democritus University of Thrace – Dept. of Civil Engineering - Inst. Structural Mechanics and Earthquake Engineering, Greece
A. Liolios (liolios@civil.duth.gr; aliolios@egnatia.gr)  
*Potential Consortium*
- Democritus University of Thrace – Dept. of Environmental Engineering - Inst. Ecological Engineering & Technology, Greece
  - V. Tsihrintzis (tshirin@env.duth.gr)
- National Technical University of Athens, Greece
  - TEKTON S.A. “Ready Mix Concrete &aggregate Co”, Greece
  - V. Skarlatos (tektom@otenet.gr)
- Egnatia Odos S.A., Greece
  - A. Liolios (liolios@civil.duth.gr; aliolios@egnatia.gr)  
*Partners that expressed interest*
- Cracow University of Technology, Poland
  - A. Kwiecien (akwiecie@pk.edu.pl)
- Britt, Romania
  - V. Rotaru (v.rotaru@rctp.ro)
- Institute of Engineering Seismology & Earthquake Engineering
  - Th. Salonikios (salonikios@itsak.gr) |
| 2.15 | New procedures to evaluate the structural integrity & behavior in cultural heritage | AIDICO, Construction Technology Institute, Spain
*J. Yuste Navarro* (javier.yuste@aidico.es)  
*Partners that expressed interest*
- Cracow University of Technology, Poland
  - A. Kwiecien (akwiecie@pk.edu.pl)
- Democritus University of Thrace, Greece
  - A. Dimoudi (adimoudi@env.duth.gr)
- Institute of Engineering Seismology & Earthquake Engineering
  - Th. Salonikios (salonikios@itsak.gr) |
| 2.16 | Non-smooth computational mechanics for heritage structures | Technical University of Crete - Institute of Computational Mechanics and Optimization
*G. Stavroulakis* (gestavr@dpem.tuc.gr) |
<table>
<thead>
<tr>
<th>2.17</th>
<th>Assessment of historical masonry buildings using rapid visual screening procedures</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>University of Patras, Dept. of Civil Engineering, Greece</td>
</tr>
<tr>
<td></td>
<td>S. Dritsos (<a href="mailto:dritsos@upatras.gr">dritsos@upatras.gr</a>)</td>
</tr>
<tr>
<td></td>
<td><em>Potential Consortium</em></td>
</tr>
<tr>
<td></td>
<td>o Aristotle University of Thessaloniki – Dept. of Civil Engineering, Greece</td>
</tr>
<tr>
<td></td>
<td>o Municipality of Corfu, Greece</td>
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<tr>
<td></td>
<td>o Municipality of Kalavryta, Greece</td>
</tr>
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<td></td>
<td>o Municipality of Agrinio, Greece</td>
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