



# Risk Mitigation for Earthquakes and Landslides

## Fact Sheet

### Project Information

#### LESSLOSS

Grant agreement ID: 505448

[Project website](#) 

#### Start date

1 September 2004


#### End date

31 August 2007

**Funded under**  
FP6-SUSTDEV

**Overall budget**  
€ 9 747 966

**EU contribution**  
€ 6 430 000

**Coordinated by**  
UNIVERSITÀ DEGLI STUDI DI  
PAVIA  
 Italy

## Objective

Earthquake and landslide risk is a public safety issue that requires appropriate mitigation measures and means to protect citizens, property, infrastructure and the built cultural heritage. Mitigating this risk requires integrated and coordinated action that embraces a wide range of organisations and disciplines. For this reason, the LESSLOSS IP is formulated by a large number of European Centres of excellence in earthquake and geotechnical engineering integrating in the traditional fields of engineers and earth scientists some expertise of social scientists, economists, urban planners and information technologists. The LESSLOSS project addresses natural disasters, risk and impact assessment, natural hazard monitoring, mapping and management strategies, improved disaster preparedness and mitigation, development of advanced methods for risk assessment, methods of appraising environmental quality and relevant pre-normative research. In order for the multi-disciplinary S&T ingredients of the project to be tackled in an efficient and productive manner, the research programme has been split into three distinct areas: physical

manner, the research programme has been split into three distinct areas: physical environment, urban areas and infrastructures. For each one of these areas four main types of transversal fields have been identified as fundamental and capable of producing permanent effects on risk mitigation:

- (i) instrumentation and monitoring,
  - (ii) methods and technologies to reduce vulnerability,
  - (iii) innovative approaches for design/assessment and
  - (iv) disaster scenarios and loss modelling.
- Within this general framework, specific objectives will be pursued, such as the development of innovative methods and approaches to design and assessment of structures and earth slopes for both short- and long-term implementation, the development of advanced monitoring techniques and devices, and the development, manufacturing and testing of innovative isolating and dissipating seismic devices.

## Programme(s)

## Topic(s)

## Call for proposal

FP6-2002-GLOBAL-1

## Funding Scheme

IP - Integrated Project

## Coordinator



**UNIVERSITÀ DEGLI STUDI DI PAVIA**

Address

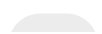
**Strada Nuova, 65**

**Pavia**

 **Italy**

[Website](#) 

## Participants (46)



ENEL NEW ENERGY S.p.A.



**ENEL.NEWHYDRO S.R.L.**

 Italy

Address

**Viale Regina Margherita, 125  
Roma**

[Website](#) 

---



**ALGA APPLICAZIONE LAVORAZIONE GIUNTI APPOGGI S.P.A.**

 Italy

Address

**Via Olona, 12  
Milano**

[Website](#) 

---



**ALGOSYSTEMS S.A.**

 Greece

Address

**206, Sygrou Avenue  
Kalithea, Athens**

[Website](#) 

---



**ARISTOTLE UNIVERSITY OF THESSALONIKI**

 Greece

Address

**Administration Building-  
university Campus  
Thessaloniki**

[Website](#) 

---



**BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES**

 France

Address

**39-43, Quai André Citroën -  
Tour Mirabeau  
Paris**

[Website](#) 

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**CENTRE INTERNACIONAL DE METODES NUMERICIS EN ENGINYERIA**

 Spain

Address

**Edifici C1, Campus Nord Upc,  
C/ Gran Capità S/n  
Barcelona**

[Website](#) 

---



## **DENCO DEVELOPMENT & ENGINEERING CONSULTANTS LTD**

 Greece

Address

**16 Kifisias Avenue  
Maroussi**

[Website](#) 

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## **PRESIDENZA DEL CONSIGLIO DEI MINISTRI - DIPARTIMENTO DELLA PROTEZIONE CIVILE**

 Italy

Address

**Via Ulpiano, 11  
Rome**

[Website](#) 

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## **ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA E L'AMBIENTE**

 Italy

Address

**Lungotevere G.a. Thaon De  
Revel 76  
Roma**

[Website](#) 

---



## **FACULDADE DE ENGENHARIA DA UNIVERSIDADE DO PORTO**

 Portugal

Address

**Rua Dr. Roberto Frias  
Porto**

[Website](#) 

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 **GFODYNAMIQUE ET STRUCTURE**



### GEOPHYSIQUE ET STRUCTURE

 France

Address

**157 Rue Des Blains**

**Bagneux**

[Website](#) 

---



### ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA

 Italy

Address

**Via Di Vigna Murata 605**

**Rome**

[Website](#) 

---



### INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE

 France

Address

**46, Avenue Félix Viallet**

**Grenoble**

[Website](#) 

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### INSTITUTO SUPERIOR TECNICO

 Portugal

Address

**Av. Rovisco Pais, 1**

**Lisboa**

[Website](#) 

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### ISTANBUL TECHNICAL UNIVERSITY

 Turkey

Address

**Maslak**

**Istanbul**

[Website](#) 

---



### JOINT RESEARCH CENTRE

 Italy

Address

Address

Via Enrico Fermi, 1  
Ispra (Va)

[Website](#) 

---



## BOGAZICI UNIVERSITY

 Turkey

Address

**Bebek**  
**Istanbul**

[Website](#) 

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## LABORATÓRIO NACIONAL DE ENGENHARIA CIVIL

 Portugal

Address

**Av. Do Brasil, 101**  
**Lisboa**

[Website](#) 

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## MAURER SOEHNE GMBH & CO. KG

 Germany

Address


**Frankfurter Ring 193**  
**Munich**

[Website](#) 

---



## MIDDLE EAST TECHNICAL UNIVERSITY (DEPT. OF CIVIL ENG., DIS. MAN. RES. CTR., EARTHQUAKE ENG. RES. CTR., STRUCT. ENG. RES. UNIT)

 Turkey

Address

**Metu Campus**  
**Ankara**

[Website](#) 

---



## MUNICH REINSURANCE COMPANY

 Germany

Address

**Königstr 107**

Munich

[Website](#) 

---



## NECSO ENTRECANALES CUBIERTAS, S.A.

 Spain

Address

**Avda. De Europa, 18 - P.  
Empresarial La Moraleja  
Alcobendas (Madrid)**

[Website](#) 

---



## NORWEGIAN GEOTECHNICAL INSTITUTE

 Norway

Address

**Sognsveien 72  
Oslo**

[Website](#) 

---



## NATIONAL TECHNICAL UNIVERSITY OF ATHENS

 Greece

Address

**Heron Polytechneiou 9  
Athens**

[Website](#) 

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## STAMATOPOULOS AND ASSOCIATES CO. LTD- GEOTECHNICAL AND EARTHQUAKE ENGINEERS

 Greece

Address

**5 Isavron Street  
Athens**



## STUDIO GEOTECNICO ITALIANO S.R.L.

 Italy

Address

**Via Ripamonti, 89  
Milano**

[Website](#) 



## SWEDISH GEOTECHNICAL INSTITUTE

Sweden

Address

**Olaus Magnus Väg 35  
Linköping**

[Website](#)

---



## THE UNIVERSITY OF BRISTOL

United Kingdom

Address

**Senate House, Tyndall  
Avenue  
Bristol**

[Website](#)

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## THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE

United Kingdom

Address

**The Old Schools, Trinity Lane  
Cambridge**

[Website](#)

---



## UNIVERSITE DE LIEGE

Belgium

Address

**Place Du 20 Août, 7  
Liege**

[Website](#)

---



## UNIVERZA V LJUBLJANI, UNIVERSITY OF LJUBLJANA, FACULTY OF CIVIL AND GEODETIC ENGINEERING

Slovenia

Address

**Kongresni Trg, 12  
Ljubljana**



[Website](#) 

---



## UNIVERSITY OF NEWCASTLE UPON TYNE

 United Kingdom

Address

**6 Kensington Terrace  
Newcastle Upon Tyne**

[Website](#) 

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## UNIVERSITY OF PATRAS

 Greece

Address

**Patras**

[Website](#) 

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## THE UNIVERSITY OF SURREY

 United Kingdom

Address

**Guildford, Surrey**

[Website](#) 

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## VCE HOLDING GMBH

 Austria

Address

**Hadikgasse 60  
Vienna**

[Website](#) 

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## VINCI CONSTRUCTION GRANDS PROJETS

 France

Address

**5, Cours Ferdinand De  
Lesseps  
Rueil-malmaison**

[Website](#) 



## CESI - CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO 'GIACINTO MOTTA' SPA

 Italy

Address

**Via Rubattino, 54  
Milano**

[Website](#) 

---



## COMMISSARIAT À L'ÉNERGIE ATOMIQUE'

 France

Address

**31/33 Rue De La Fédération  
Paris**

[Website](#) 

---



## INSA-LYON-INSTITUT NATIONAL DES SCIENCES APPLIQUÉES DE LYON

 France

Address

**Avenue Albert Einstein, 20  
Villeurbanne**

[Website](#) 

---



## RHEINISCH-WESTFÄLISCHE TECHNISCHE HOCHSCHULE AACHEN

 Germany

Address

**Templergraben 55  
Aachen**

[Website](#) 

---



## STAP - REPARAÇÃO, CONSOLIDAÇÃO E MODIFICAÇÃO DE ESTRUTURAS, S.A.

 Portugal

Address

**Rua Marques De Fronteira,  
N°8, 3.º Dto.  
Lisboa**

[Website](#) 



## UNIVERSIDAD POLITÉCNICA DE MADRID

 Spain

Address

**Ramiro De Maeztu, 7  
Madrid**

[Website](#) 

---



## UNIVERSITÀ DEGLI STUDI DI MILANO BICOCCA

 Italy

Address

**Piazza Dell'ateneo Nuovo 1  
Milano**

[Website](#) 

---



## UNIVERSITÀ DEGLI STUDI DI NAPOLI "FEDERICO II"

 Italy

Address

**Corso Umberto I  
Naples**

[Website](#) 

---



## UNIVERSITÀ DI ROMA "LA SAPIENZA"

 Italy

Address

**Piazzale Aldo Moro, 5  
Rome**

[Website](#) 

---



## ÖSTERREICHISCHES FORSCHUNGS- UND PRÜFZENTRUM ARSENAL GES.M.B.H. (ARSENAL RESEARCH)

 Austria

Address

**Faradaygasse 3  
Vienna**

[Website](#) 

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