COST Action TU1208 – Civil Engineering Applications of Ground Penetrating Radar

Dr Thierry Goger
Kick-off meeting, Brussels, 04 March 2013
COST - European Cooperation in Science and Technology

A Networking Programme to enhance European Research

Dr Thierry Goger
Kick-off meeting, Brussels, 04 March 2013
Welcome!

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Welcome!

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Agenda

- Approval of the agenda
- Status of the Action
- Presentation of the delegations
- General information on COST mechanism and on the funding & reporting of coordination
Agenda

- Agreement on the internal rules of procedure for the MC
- Election of the Chair and Vice Chair
- Selection of:
  - The Grant Holder (Legal & Scientific Representatives)
  - Two Financial Rapporteurs
Agenda

- Work plan for the implementation of the COST Action
  - Objectives and working programme
  - Working method / organisation & management
  - Distribution of tasks and election of WG leaders
  - Promotion of gender balance & ESR
  - Time table
Agenda

- Budget plan
- Place & date of next meeting
- Miscellaneous
- Closing
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- Presentation of the delegations
- General information on COST mechanism and on the funding & reporting of coordination
http://www.cost.eu/domains_actions/tud/Actions/TU1208
Agenda

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PART I: Introduction to COST

Mission, History, COST Countries, Characteristics, Scientific Domains and Governance
COST Mission

COST enables break-through scientific developments leading to new concepts and products and thereby contributes to strengthen Europe’s research and innovation capacities.

COST is a unique means for European researchers to jointly develop their own ideas and new initiatives across all scientific disciplines through trans-European networking (COST Actions) of nationally funded research activities.
COST within the European Research Area (ERA)

- Enhance research progress through creation of new international networks.
- Connect scientists with policy-makers, governmental + regulatory bodies.
- Foster innovation through technology transfer (academia, spin-offs, industry).
- Build capacity through inclusive participation (trans-disciplinary).
COST History

- COST was established in 1971
  - 1974 : ESF
  - 1984 : 1st FP
  - 1985 : EUREKA
- COST meets continuous interest from scientific communities
  - From 19 member states in 1971 to 36 member states in 2011
  - From 7 Actions in 1971 to more than 300 Actions in 2013 (in total more than 850 COST Actions funded)
  - From 7 Science disciplines in 1971 to 9 multidisciplinary Domains in 2011…
  - From a few hundred thousands € in FP1 to 250 Million € in FP7
COST Countries

- The 27 EU Member States
- EU Acceding & Candidate Countries
  - Croatia
  - Former Yugoslav Republic of Macedonia
  - Iceland
  - Republic of Serbia
  - Turkey
- Other Countries
  - Bosnia and Herzegovina
  - Norway
  - Switzerland
- COST Cooperating States
  - Israel
COST Characteristics

- Intergovernmental Organisation
- Center stage Instrument: COST Action (Networking projects of on-going or starting RD&I)
- National funding of researchers and research
- Pan-European
- Open to wider cooperation
- Worldwide bridge

- “Non-competitive” (pre-normative; public utility)
- “Interdisciplinary Exploratoria” (Multi/Trans-disciplinary)
- Bottom-up – Open Call
- Flexible (à la carte) participation – join in if you are interested (… when you are interested and for how long you can)
- Enabling agent: focus on Early Stage Researchers (ESR)
COST Organisation

Governance

Operations

EC Grant Agreement FP7
COST scientific Domains

- Biomedicine and Molecular Biosciences (BMBS)
- Food & Agriculture (FA)
- Forests, their Products and Services (FPS)
- Chemistry and Molecular Sciences & Technologies (CMST)
- Earth System Science & Environmental Management (ESSEM)
- Materials, Physics & Nanosciences (MPNS)
- Individuals, Society, Culture & Health (ISCH)
- Information & Communication Technologies (ICT)
- Transport & Urban Development (TUD)
COST Governance

Council COST Secretariat

COMMITTEE OF SENIOR OFFICIALS (CSO)

COST OFFICE

COST National Coordinators

9 COST Domain Committees

COST Actions (~300)

WORKING GROUPS (NETWORKS) ...... ~30,000 researchers

Scientific Domain

MC = Management Committee

MC

TUD

WG
Committee of Senior Officials

**Constitution:**
- 2 representatives per COST Country

**Responsibilities:**
- the overall strategy and steering of COST
- deciding on the launching of individual Actions
  - approving participation of institutes from non-COST countries
  - approving the prolongation/extension of Actions
COST Governance

COST Office

Committee of Senior Officials (CSO)

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9 COST Domain Committees

COST Actions (~300)

WORKING GROUPS (NETWORKS) ...... ~30,000 researchers

Scientific Domain

MC = Management Committee
Domain Committee

Constitution:
• 1 representative per COST country

Responsibilities:
• assessment of proposals in Open Call
• monitoring & evaluation of Actions
• dissemination and promotion of COST activities
• strategic developments
• synergies
DC Rapporteur

Constitution:
• 1 DC member appointed by the DC as Rapporteur for a specific COST Action

Responsibilities:
• quality control of the scientific activities (versus MoU) throughout COST Action life-time
• stressing the MC to focus on outputs & impacts of the Action (yearly executive summary + Annual Progress Report)
• evaluation of completed Actions
• suggesting potential synergies
PART II: COST Action Implementation

Definition, Organisation, Networking Tools
COST Action Definition

COST Action =
A Science & Technic network of nationally funded projects pursuing tangible Aims and Objectives
(as defined in MoU)
Nationally/institutionally funded activities

Thorir (Assistant Professor)  
1 project

Hanna (Full Professor)  
2 projects

John (Consultant)  
4 Projects

Lech (Post-doc)  
1 draft project

Clémence (Senior Researcher)  
3 projects

Zeynep (Industry representative)  
Several on-going projects

Maria (PhD)  
1 PhD thesis
Nationally/institutionally funded activities

Thorir (Assistant Professor)
1 project

Hanna (Full Professor)
2 projects

John (Consultant)
4 Projects

Lech (Post-doc)
1 draft project

Clémentine (Senior Researcher)
3 projects

Zeynep (Industry representative)
Several on-going projects

Maria (PhD)
1 PhD thesis

COST Action
Nationnally/institutionally funded activities

- Thorir (Assistant Professor) 1 project
- Hanna (Full Professor) 2 projects
- John (Consultant) 4 Projects
- Clémentine (Senior Researcher) 3 projects
- Lech (Post-doc) 1 draft project
- Zeynep (Industry representative) Several ongoing projects
- Maria (phD) 1 PhD thesis
COST Action Organisation

**Constitution:**
- Up to 2 representatives per Party
- Each Party has one vote, MC decisions are taken by a simple majority
- Up to 1 representative per NON-COST institution & up to 2 representatives per NON-COST Country (no voting power)

**Responsibilities:**
- Management of the scientific & technical research according to MoU
- Implementation of activities and management of the work and budget plan
- Scientific reporting and dissemination
COST Action Organisation

Constitution:
• Commonly up to 2 representatives per COST country per WG (depending on budget availability)
• MC members or other scientists from the Parties
• invited experts / speakers (workshops / conferences)
• members from non-COST institutions

Responsibilities:
• Production and exchange of Research
Country participation in COST Actions

Total running Actions 2012: 301
Non COST Participation

Participation from non-COST countries based on mutual benefit

“Normally the COST Office does not reimburse participants from non-COST country institutions”
229 Participations in running Actions (22 countries) - September 2012
Near Neighbour countries participation

152 Participations in running Actions (15 countries) – September 2012

Belarus (7)  
Moldova (3)  
Montenegro (7)  
Albania (13)  
Morocco (9)  
Tunisia (7)  
Algeria (3)  
Egypt (7)  
Jordan (2)  
Russia (52)  
Ukraine (28)  
Georgia (3)  
Azerbaijan (3)  
Armenia (4)  
Lebanon (4)  

COST Countries  
NN countries
Reciprocal Agreements (RA) Participation in Actions

215 Participations in running Actions (4 countries) - September 2012

- Argentina (28)
- South Africa (39)
- New Zealand (56)
- Australia (92)
COST Networking Tools

- Science management meetings (MC + WG)
- Logistics Support (e.g. “Room rental”)
- Short Term Scientific Missions (STSMs)
- Training Schools
- Dissemination
The Domain

“Transport & Urban Development (TUD)”
COST_TUD Characteristics

- Basic & applied research
- Policies & programmes
- 3 main scientific areas
- 26 running Actions
- Around 1000 organisations involved
- Around 4000 researchers involved
- High involvement of Early-Stage Researchers
- High complementarities with FP7

- Several links with other COST domains (ISCH, ESSEM, ICT, MPNS, FPS)
- Several links with international organisations (OECD, UNESCO, JRC, TRB, ECTRI, FERHL...)
- Participation in major international events
- Organisation of Exploratory/Strategic workshops
- Scientific & socio-economic impacts
  - Contribution to scientific « breakthroughs »
  - Contribution to standards
  - Contribution to economic benefits
Scientific Expertise

Transport System and Infrastructures

Land Management and Urban Development

Architecture, Design, and Civil Engineering
Transport

8 Actions:
TU0903  TU1001
TU1004  TU1101
TU1102  TU1103
TU1105  TU1209

Intelligent transport, Energy consumption, intermodal solutions, new material & technologies, traffic monitoring, education & behaviour…
Urban Land use

9 Actions:
- TU0803
- TU0902
- TU1002
- TU1003
- TU1104
- TD1106
- TU1201
- TU1203
- TU1204

Integrated spatial & land use planning, urban safety, disaster management, urban re-generation, accessibility, noise
Buildings

9 Actions:
TU0802    TU0901
TU0904    TU0905
TU1202    TU1205
TU1206    TU1207
TU1208

Design, SMART building, Green building, new material, cultural heritage, quality of life, noise
Early Stage Researchers

~ 25% Early Stage Scientists in COST Actions (~ 20% in managing position)

Early Stage Scientist network (of 10 participants)
- C20
- TU0602
Complementarities FP/COST

- Dissemination of research projects
- Synergy between research projects
- Development of news ideas and proposals to FP
  - 40 % of COST_TUD Actions submit a FP Proposal
Complementarities FP/COST

- Networks of Excellence
- Joint Technology Initiatives (JTIs/PPPs)
Links with other Domains

ISCH
- Public transport (TU0803)
- Road traffic safety (357)
- Housing (TU0701)
- Land properties & urban dynamics (TU0602, TU0803)
- Noise (TD0804, TU0901)

ESSEM
- Environmental impacts of transport systems (356)
- Environmental impacts of buildings (C23, C24, C25)
- Flood management (C22)
- Water management (C18)
Links with other Domains

ICT
- Intelligent transport (352)
- Transport real-time monitoring (TU0702, TU0804, TU0903)
- Urban management technologies (TU0902)

MPNS
- Phase change materials (TU0802)
  (Co-rapporteur from DC-MPNS)
Links with other Domains

FPS

- Robustness of timber structures (C26, TU0701) (Co-rapporteur from DC-FPS) (common steering group & common activities between C26, TU0701, E55)
Links with other organisations

- European organisations
  - JRC
  - FERHL
  - ECTRI
  - ERTRAC
- International organisations
  - OECD
  - UNESCO
Participation to major events

- Transport
  - TRA biannual conference
  - TRB annual conference
- Urban development
  - PROHITEC conference
  - Multidisciplinary
  - Energy & Climate Change conferences (COP15)
Organisation of workshops

- Environment & Transport in different contexts
  - Ghardaïa (Algeria), February 2009
  - Exchange of best practices between North & South countries
- Foresight 2030
  - Bruges (Belgium) Spring & June 2009
  - Integration in different workshops (ICT, Energy, Natural Resources Management, Society)
Organisation of workshops

- The Future of Cities – Towards a sustainable urban environment & mobility
  - Amsterdam (The Netherlands), 24-25/11/2010
  - to map the problems and challenges regarding the (built) urban environment and urban mobility;
  - to reach a shared vision (s) of the future and be able to derive an action plan and (issues for) a strategic research agenda
Organisation of workshops

- SMART Cities
  - Paris (France), 26-27/09/2011
  - to explore existing and nascent tools of Operations Research, data mining, social choice theory, recommender systems, classification, distributed computing and information systems.
  - to aid city governments in their mission to manage infrastructure provision (e.g. traffic management and emergency services) in a better and smarter way
  - to contribute to the very definition of a “smart city”, by delineating how a city's services can be provided and utilised.
Organisation of workshops

- Shaping Cities for the New Challenges:
  - Vienna (Austria), 14-15/03/2013.
  - to explore scientific and technological novelties, highlighting under-developed scientific areas, and stimulating their strategic development, contributing to shaping cities for the new challenges.
  - to encourage multidisciplinary dynamics for a better understanding of 'modern' cities and its functioning so that, in accordance with Horizon 2020 goals, new intervention strategies for cities are drawn up.
Next Collection Date

27 September 2013
TRAVEL REIMBURSEMENT REQUEST (TRR)

(Costant must submit completed travel reimbursement request within 60 days after the meeting end date)

COST Reference: COST-TU1105-110412-07425

1. PARTICIPANT DETAILS

<table>
<thead>
<tr>
<th>Last name</th>
<th>First name</th>
<th>Country</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Institution</th>
<th>E-mail</th>
<th>Telephone</th>
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2. BANK DETAILS – (Register your bank details via https://e-services.cost.eu)

<table>
<thead>
<tr>
<th>Account holder</th>
<th>IBAN</th>
<th>SWIFT/BIC code</th>
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</table>

For NON EU (please indicate the code name)

3. MEETING DETAILS

<table>
<thead>
<tr>
<th>Science Officer</th>
<th>T. Goger, <a href="mailto:Thierry.Goger@cost.eu">Thierry.Goger@cost.eu</a></th>
<th>Telephone</th>
<th>+32 2 533 38 32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin Officer</td>
<td>C. Malimban, <a href="mailto:Carmencita.Malimban@cost.eu">Carmencita.Malimban@cost.eu</a></td>
<td>Telephone</td>
<td>+32 2 533 38 42</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Meeting venue city and country</th>
<th>Meeting start date</th>
<th>Meeting end date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brussels, BE</td>
<td>11/04/2012</td>
<td>12/04/2012</td>
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4. TRAVEL INFORMATION

<table>
<thead>
<tr>
<th>Travel start date (from home)</th>
<th>Time</th>
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<table>
<thead>
<tr>
<th>Arrival date to the meeting</th>
<th>Time</th>
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</table>

<table>
<thead>
<tr>
<th>Departure date from the meeting</th>
<th>Time</th>
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</table>

<table>
<thead>
<tr>
<th>Travel end date (back home)</th>
<th>Time</th>
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</table>

5. DAILY ALLOWANCE

<table>
<thead>
<tr>
<th>Accommodation</th>
<th>Total Number of nights</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Meals</th>
<th>Total number of eligible meals</th>
</tr>
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</table>

6. TRAVEL EXPENSES – (Insert rows if necessary. Please number your receipts as per this table)

<table>
<thead>
<tr>
<th>Description</th>
<th>From</th>
<th>To</th>
<th>with return</th>
<th>Amount</th>
<th>Local Currency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>Y / N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>Y / N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>Y / N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Car (no. of km):</td>
<td>Y / N</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Entry Visa costs (if applicable)</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Parking costs (if applicable)</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Local Transport Specify:</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 Local Transport Specify:</td>
<td>Y / N</td>
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</tbody>
</table>

7. REMARKS – (Add here the name(s) of additional COST passenger(s) when travelling by car, if applicable)

I declare that the above-mentioned expenses are not being reimbursed from any other source.

In order to be in conformity with the COST rules, the COST Office reserves the right to correct this document after Participant’s signature.

DATE & PARTICIPANT’S SIGNATURE

COST OFFICE USE ONLY

Date, comments, AO signature and Stamp | Total amount €
<table>
<thead>
<tr>
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</table>
COST Grant System

1. CSO Approval of new Action
2. Signature of Minimum 5 countries
3. Kick off Meeting MC decision

5. Submission by Action Chair of
   - Annual Workplan / budget plan
   - Dissemination plan

4. Payment of Kickoff Meeting Participants by COST Office (Pay as you go)
### COST Grant budget plan

<table>
<thead>
<tr>
<th>Action no. and title:</th>
<th>Grant period:</th>
<th>Allocated budget:</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

### A. SUMMARY BUDGET

<table>
<thead>
<tr>
<th>Description</th>
<th>Budget (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) MEETINGS</td>
<td>70,000</td>
</tr>
<tr>
<td>(2) SHORT-TERM SCIENTIFIC MISSIONS</td>
<td>8,000</td>
</tr>
<tr>
<td>(3) TRAINING SCHOOLS</td>
<td>0</td>
</tr>
<tr>
<td>(4) PUBLICATIONS, DISSEMINATION, OUTREACH</td>
<td>0</td>
</tr>
<tr>
<td>(5) OTHERS</td>
<td>2,000</td>
</tr>
</tbody>
</table>

### B. TOTAL SCIENCE EXPENDITURE (sum of (1) to (5))

<table>
<thead>
<tr>
<th>Budget (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80,000</td>
</tr>
</tbody>
</table>

### C. Financial & Scientific Administration and Coordination (max. of 15% of B.)

<table>
<thead>
<tr>
<th>Budget (€)</th>
</tr>
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<tbody>
<tr>
<td>12,000</td>
</tr>
</tbody>
</table>

### D. TOTAL EXPENDITURE (B+C)

<table>
<thead>
<tr>
<th>Budget (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>92,000</td>
</tr>
</tbody>
</table>
COST Grant System

6
Contract Finalisation
+ Annexes

7
Pre-payment to Grant holder
65% of grant amount

8
Action Management
by the Chair
Grant Agreement & Financial reporting

- Templates available at
  - http://www.cost.eu/download/Template_COST_Grant_agreement
Action Monitoring

- Annual Progress Report
  - Next one: 25/05/2013
- Annual DC Rapporteur Report
  - Next one: 20/06/2013
- Annual Progress Conference
  - 3-4/07/2013 in Rijeka (HR)
  - Oral presentation (by the chairs) (25/05/2013)
- Public event
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Thank you for your contribution and good luck for the upcoming 4 years!

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