





























SUB-URBAN – A European network to improve understanding and use of the ground beneath our cities

COST TU1206 SUB-URBAN – A European network to improve understanding and use of the ground beneath our cities			
no.	Country		Name and Surname
1	Austria		Sebastian Pflleiderer; Wolfgang Fischer
2	Bosnia and Herzegovina		Snjezana Musa
3	Croatia		Danijela Jurić Kačunić; Marijan Car; Mario Bačić; Meho Saša Kovačević
4	Cyprus		Antonis Toumazis
5	Czech Republic		Lucie Kondrova; Nada Rapantova
6	Denmark		Gert Laursen; Susie Mielby
7	Finland		Ossi Ikavalko; Petri Lintinen
8	France		Beatrice Bechet; Cecile Le Guern; Fabrice Rodriguez
9	FYR of Macedonia		Igor Peshevski
10	Germany		Walter Leal
11	Greece		Irene Zanarini
12	Ireland		Beatriz Mozo Lopez; Karlo Martinovic
13	Italy		Lara Pajewski
14	Netherlands		Ignace van Campenhout; Jeroen Schokker; Kees de Vette; Roelof Stuurman
15	Norway		Guri V. Ganerød; Johannes de Beer; Ingelov Eriksson; Johan Borchgrevink
16	Poland		Adam Rybka; Grzegorz Ryżyński; Krzysztof Majer; Anna Wilimowska
17	Portugal		Luis Loures; Luisa Goncalves
18	Romania		Ada Pandele; Constantin Radu Gogu; Stefan Dragos Gaitanaru
19	Serbia		Djurdjica Stojanovic
20	Slovakia		Ján Kaňuk; Jaroslav Hofierka; Michal Gallay
21	Slovenia		Lucka Lorber; Milos Bavec; Mitja Janza
22	Spain		Cristina Conde; Josep de Trincheria; Miguel Pazos Otón; Rubén Camilo Lois González
23	Sweden		Peter Dahlqvist
24	Switzerland		Jannis Epting
25	Turkey		Aydın Üstün
26	United Kingdom		Alex Donald; David Lawrence; Diarmad Seumas Campbell; Gillian Dick; Helen Bonsor; Katie Whitbread

i. General information		 
First and last name:	Sebastian Pflöiderer	
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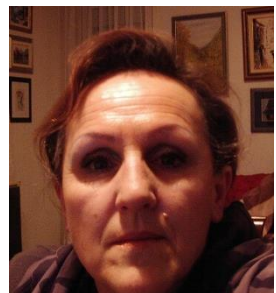
ii. Short biography
<p>Sebastian Pflöiderer graduated at the University of Aachen, Germany, as a hydrogeologist and obtained his Ph.D. at the University of Toronto in 1992. After two years as post-doc at AECL (Canada) and CNRS (France) he started as researcher at the Geological Survey of Austria, Department of Mineral Resources. His areas of interest combine resource geology, hydrogeology, environmental geochemistry, geostatistics and geomodelling. Current projects include modelling of the Alpine Foreland Basin (project GeoMol), the design of information systems for geothermal energy usage, the evaluation of geothermal potential for the city of Vienna and the study of regenerative mineral resources in Austria. He was chief investigator in the Vienna Urban Geology project which developed an urban geological map of Vienna, a 3D model of the shallow and medium depth of Vienna's underground, hydrogeological and geotechnical parameter sets for the main geological features and geochemical background values of stratigraphic units.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG1, WG3</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is • (WG1) the documentation of 3D modelling and application activities in the city of Vienna in cooperation with the Municipal Department for Energy Planning and possibly • (WG3) an advisory role in the preparation and testing of the toolbox.</p>

i. General information		 <p>Grazer Integrative Geographie Institut für Geographie und Raumforschung</p> 
First and last name:	Wolfgang Fischer	
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ii. Short biography
<p>Wolfgang Fischer works at the Institute of Geography and Regional Sciences, University of Graz since 1990. He graduated in 1992 and made his Ph.D. in 2002. Beside he was also working for Joanneum Research in Graz and he is also teaching at Pedagogical Highschool in Graz. His area of interest is regional development and environmental studies (e.g. waste management, brownfield management) in urban and rural environments.</p> <p>He is member of the Austrian Geographical Society (OEGG) and responsible for the study „Environmental System Sciences – Geography“ and is member of the curricula commission. He is leader of several EU-projects concerning the after-utilization of industrial and mining areas and many other international and national projects.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG2, WG4</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is in developing state-of-the-art in dealing with subsurface in Austria. He is included in WG2 „Subsurface Urban Planning and Management“ (subproject 1).</p>

i. General information		
First and last name:	Snjezana Musa	 
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ii. Short biography
<p>School: Natural Science Faculty, Sarajevo, Department for Geography / 1975-1979- Teacher; Natural Science Faculty, Beograd-Faculty of Geography / 1984-1988- Master of science; Natural Science Faculty, Zagreb, Department for Geography / 1995-1998- PhD</p> <p>I'm working on demographic, urban, environmental problems and cartographic research in the B&H, and geographical observations development of Bosnia and Herzegovina. Published several investigation works and related papers on the above-mentioned subjects as well as participated in international congress.</p> <p>Holding full professor rank and teaches the subjects: Applied cartography, The thematic mapping, Geographic basis of regional and spatial planning, Geography of karst, Regional geography of Bosnia and Herzegovina, The Heritage in Tourism, Geo-ecology</p> <p>Researches demography and the settlements of B&H, regionalization of B&H, methodology of the mentioned researches and in regard to that the thematic presentation and studying of B&H population and settlements.</p> <p>Characteristics: team worker, creativity, organizational skills, presentation and communication skills.</p> <p>Languages: English –good, Russian-excellent, local languages in B&H-excellent</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member</p>

i. General information		 
First and last name:	Danijela Jurić Kaćunić	
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ii. Short biography
<p>Danijela Juric Kacunic is assistant professor at Department of Geotechnics, UNIZG-FCE, where she received PhD in 2009 for developing new approach of determination of karst stiffness using non destructive geophysical methods. Her area of interests include field and laboratory investigation works, as well as risk management in area of underground construction. She is currently involved in research of ground improvement methods and determination of degree of improvement by using non destructive methods. Dr. Juric Kacunic has published over 30 papers in journals and conference proceedings in the field of underground engineering and risk management. As an associate, she has been involved in more than 40 projects in domain of underground engineering. Dr. Juric Kacunic is Secretary of Croatian Society for Underground Construction, and she is a member of Croatian Geotechnical Society (HGD), International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) and International Society for Rock Mechanics (ISRM). Currently, she is Head of Geotechnical Laboratory on Faculty of CE. She is also MC Member in 'TU1208 Civil Engineering Applications of Ground Penetrating Radar' and MC Substitute 'TU1202 Impact of climate change on engineered slopes for infrastructure'.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute, WG1, WG3, WG4</p> <p>Her role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' will be manifested through development of state-of-the-art (WG1), through preparing and testing of Toolbox in collaboration with City of Zagreb (WG3) and through dissemination activities (WG4).</p>

i. General information	
First and last name:	Marijan Car
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ii. Short biography
<p>Marijan Car is surveying engineer employed at Department for Geotechnics, Faculty of Civil Engineering in Zagreb. His research is focused towards remote surveying methods such as photogrammetry and LiDAR scanning. He has experience of monitoring of underground structures and karst phenomena such as cavern and caves and developing complex models of underground karst phenomena based on scanning. He was strongly involved in surveying during construction of Croatia's highway network through karstic terrain when collaboration between geology-geotechnics-surveying during tunnels construction was of great importance.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute, WG1, WG3, WG4</p> <p>In this COST Action Marijan Car will contribute through development of state-of-the-art, through preparing and testing of Toolbox in collaboration with City of Zagreb and through dissemination activities.</p>

i. General information		  
First and last name:	Mario Bačić	
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ii. Short biography
<p>Mario Bacic works at Faculty of Civil Engineering at University of Zagreb, where he graduated in 2010 and received PhD in 2015. He is a postdoctoral researcher at Department for Geotechnics. His area of interest include numerical modelling and non destructive testing in underground engineering, including application of seismic, electric and electromagnetic methods for soil and rock surveying. His work is also focused on non destructive testing of rockbolts for determination of rockbolt grouting quality. He is member of is Croatian Socitey for Underground Construction (CSUC), Croatian Geotechnical Society (HGD), International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) and International Society for Rock Mechanics (ISRM). He is also MC Member in COST Action 'TU1208 Civil Engineering Applications of Ground Penetrating Radar' and MC Substitute Member in COST Action 'TU1202 Impact of climate change on engineered slopes for infrastructure'.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG3, WG4</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is in developing state-of-the-art in dealing with subsurface in Croatia. Also he will be included as co-leader of WG3 whose task is to prepare and test Toolbox and WG4 where he will be included in dissemination activities.</p>

i. General information		  
First and last name:	Meho Saša Kovačević	
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ii. Short biography
<p>Meho Saša Kovačević is full time professor at Department of Geotechnics, UNIZG-FCE, and is currently Head of the Department. His area of interests include field and laboratory investigation works, NDT investigation methods, geotechnical monitoring and exploitation of shallow geothermal resources. He was leader or associate on 5 domestic research projects and 4 international research projects and mentor on 11 MSc and PhD thesis. He has published more than 90 journal and conference proceedings papers and he is an editor of 3 books in domain of underground engineering. He is also involved as designer or consultant on numerous projects in Croatia, with some innovative solutions. He is President of Croatian Society for Underground Construction, and he is a member of Croatian Geotechnical Society (HGD), International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) and International Society for Rock Mechanics (ISRM). Prof. Kovačević, is member of Advisory Board of the International Geothermal Center in Bochum. He is also MC Member in COST Action 'TU1202 'TU1202 Impact of climate change on engineered slopes for infrastructure'.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG3, WG4</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' will be in WG1 where he will contribute in developing of state-of-the-art, in WG3 where he will contribute in preparing and testing Toolbox along with partners from City of Zagreb and in WG4 where he will be included in dissemination activities.</p>

i. General information		 
First and last name:	Antonis TOUMAZIS	
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ii. Short biography
<p>Dr Antonis Toumazis, civil engineer with PhD in Hydraulics (breaking waves) and MSc in Soil Mechanics and Engineering Seismology is a partner in the firm Dion Toumazis & Associates, Architects and Consulting Engineers, and a visiting lecturer in coastal engineering at the University of Cyprus.</p> <p>He has been involved with infrastructural projects in urban areas (roads, drainage, sewerage, buildings) and in research in urban drainage / flooding (coastal and inland flooding) at European level for many years, in COST Actions (C22 Urban Flood Management, ES0901) and in the FP7 Project SMARTeST (Smart Resilience, Technology, Systems and Tools for Flood Protection).</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG2, WG3, WG4</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is in transferring his expertise and knowledge from the civil engineering practising perspective and the experience of Nicosia. Nicosia is a city divided above ground by military boundaries and united beneath ground through a unified sewerage collection network and treatment system.</p>

i. General information		 <p>CZECH GEOLOGICAL SURVEY</p> 
First and last name:	Lucie Kondrová	
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ii. Short biography
<p>She's been working at the Czech Geological Survey since September 2006 as a GIS specialist. During the years 2008-2010 she was member of the core team for developing the geological metadata profile and catalogue for the OneGeology-Europe project and nowadays is responsible for its maintenance. In 2011 she was appointed head of the Section of processing and management of applied data of the CGS Department of Information systems. She works as a GIS specialist (mainly in the field of development and management of enterprise GIS) and is also responsible for the implementation of INSPIRE requirements at the Czech Geological Survey. Her further research interests include creating data models for spatial data (for example for 3D geological data) and provision of data via distributed systems. She is a member of the Czech National Geological Committee (CNGC), of the Czech National Technical Working Group for metadata, and of the Spatial Information Expert Group by EuroGeoSurveys (SI EG).</p>


iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG2.3</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is in testing of combination of different data types in the data model for the subsurface, testing the visualization possibilities, and promoting of the topic of dealing with subsurface in the Czech Republic (communication with city partners).</p>

i. General information		 
First and last name:	Nada Rapantova	
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ii. Short biography	
Education:	1985 Ing. - Mining Geology, VSB – Technical University of Ostrava 1992 Ph.D. - Geology of Deposits and Applied Geophysics 2001 associated professor in hydrogeology
Employment:	1990 - now pedagogue, VSB-Technical University Ostrava 2010 - 2014 vice-dean of the Faculty of Mining and Geology, VSB -Technical University Ostrava 2014 – now head of the Institute of Geological Engineering, VSB -Technical University Ostrava
Research and consulting activities in the field: hydrogeology, mining hydrogeology, groundwater protection, numerical modelling of groundwater flow and mass and heat transport.	
Publications: 107 scientific papers in journals and conference proceedings, 68 of them broad	
Membership:	
2005 – 2009	president of Czech Chapter of International Association of Hydrogeologists (IAH)
2008 - now	member of Executive Council of International Mine Water Association (IMWA)
2009 – now	vice-chair of Czech Association of Hydrogeologists

iii. Contribution to COST TU1206 Action
Role in Action: WG1, WG2 VSB - Technical University of Ostrava will focus on the study of limitations of urban development and use of the ground beneath mining cities. The current practises and case studies in the Czech Republic will be reviewed. The map of hazards related to mining for Ostrava-Karvina coal region will be processed for urban planning purposes. Methodology of assessment of risk factors will be elaborated (multi-criteria and multi-objective evaluation).



i. General information	
First and last name:	Gert Laursen
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ii. Short biography
<p>Since 1988 I've been working with the solution and dissemination of geological, hydrogeological and chemical problems in a "county", municipal, private and educational context. Currently, most focusing on public (municipal) administration and planning regarding groundwater production, groundwater protection, climate change adaptation, suburban activities and the strategic actions concerning the use of groundwater for cooling or heating (ates / btes). I'm also in charge for an inter-municipal response group that provides environmentally/technically assistance to Police etc in case of emergency.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1 and WG2</p>

i. General information	
First and last name:	Susie Mielby
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ii. Short biography
<p>Project manager of the hydrogeological data collation in the national groundwater mapping.</p> <p>Experienced in mapping of aquifers, urban geology and national groundwater levels.</p> <p>Experienced manager of digital mappings and large cross-disciplinary projects.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, Member of WG1, Chair of WG2, WG3</p>

i. General information	
First and last name:	Ossi Ikavalko
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ii. Short biography
<p>1990 - 2006 Geologist in the city of Espoo</p> <p>2006 - 2013 Chief geologist in Geological Survey of Finland (GTK), head of the urban geological research programme of GTK</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG3</p> <p>City of Helsinki is an example from Finland (data management, underground Master Plan). Two possible pilot areas for modelling, Suurpelto area in Helsinki and pilot area in City of Tampere (in connection of city model of Tampere)</p>

i. General information		 
First and last name:	Petri Lintinen	
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ii. Short biography
<p>Responsible for Energy supply; Environment and land use & Construction related studies in GTK. These studies are organised in research programmes: Marine geology & global change; Energy; Urban geology and Groundwater & rock materials.</p> <p>Personal research interests: Linkage between geology of soft sediments and geotechnical properties in 3D, groundwater issues in urban areas, geochemistry of urban soils, stratigraphy of glacial sediments.</p> <p>Publications includes topics such as: Chemical characterization of metal-contaminated soil; Terminal electron-accepting processes and recharge processes in petroleum hydrocarbon-contaminated ground; Extractability of metals and ecotoxicity of contaminated soils; Survey of a buried ice-marginal deposit by airborne EM measurements; Sedimentation and lithostratigraphy; Glacial history</p>




iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute</p>

i. General information		 
First and last name:	Béatrice Béchet	
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ii. Short biography
<p>Dr Béatrice BECHET is a hydrogeochemist and a researcher at the French Institute of science and technology for transport, development and networks (IFSTTAR) which is a research centre focusing on the city and the territories, transportation and urban engineering. She is co-leader of a research team working on urban soils and recycled materials. She is also the coordinator of a research federative program on urban soils at the Institute for Research on Urban Sciences and Techniques (IRSTV-CNRS, Nantes).</p> <p>She has 20 years of experience in transport of pollutants in soils, especially on the colloidal facilitated transport of heavy metals in soils and groundwaters. She has been participating in a number of national research projects in the field of urban soil pollution and in a European project (MIRAGE, FP4). She is currently MC Substitute in COST TU1201 Action „Urban gardens”. She is co-author in 12 research articles and 1 book chapter over the last 5 years.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute, WG1</p> <p>WG1 – Compile inventories of existing methods, practices and case studies</p> <p>NANTES case studies : co-responsible for the state-of-the art on soil pollution (sources, transfer, management)</p>



i. General information	
First and last name:	Cécile LE GUERN
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ii. Short biography
<p>Cécile Le Guern joined BRGM more than 15 years ago, after a postdoctoral position at the University of Delft (NL) and a PhD thesis on Environmental Geosciences (University of Lorraine, F). She is also a graduate of the Engineering School of Geology of Nancy (F). At present, she works as a senior researcher at the regional geological survey of Pays de la Loire, located in Nantes, where she manages projects (applied research and operational studies) in collaboration with various partners (e.g. local authorities, stakeholders, academics, engineering societies). Her areas of interest include geochemistry of soils and underground, including geochemical background and pollution linked to various human activities (e.g. industrial, domestic, agricultural). Her work deals for instance with sources of pollution in soils and subsoils (characterisation, origin, mapping at local to city scale) and transfer of pollutants to groundwater (including on site monitoring, modelling). Part of her work is directly linked to urban management questions. In this frame, a 3D modelling of subsoil is in progress in Nantes.</p> <p>She is member of the Federative Research Institute on Science and Technics of the City (IRSTV-FR CNRS 2488), where she's the co-leader of the federative research program on urban soil (PRF SOLURB). She is also a member of the French Group on Soils (AFES).</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG1 (city case studies), role in other WG to be defined</p> <p>Within the COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities', she's involved in WG1. She contributed to the state-of-the-art dealing with subsurface in Nantes (France). She may further be involved in other WG, e.g. WG2 whose task is to identify best practises and WG3 whose task is to prepare and test a Toolbox.</p>

i. General information	
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ii. Short biography
<p>Researcher in the „water and environment“ team in a Geosciences department, F Rodriguez is one of the main contributor of IFSTTAR in urban hydrology. His research activity focuses both on hydrological modelling of urban areas and on hydrological variables observations (rainfall and flowrate in sewers, latent heat fluxes). He is involved in several regional, national research projects aiming at evaluating the impact of sustainable urban drainage systems in urban areas. He organized a national research experiment in Nantes in 2012 devoted to the evaluation of the spatial variability of heat fluxes in a heterogenous urban catchment. His current research deals with the study of soil-sewer interactions in order to better estimate the urban water budget.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1 and more, still to be defined</p> <p>Nantes case study referent.</p>

i. General information	
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Hamburg University of Applied Sciences



ii. Short biography
<p>Walter Leal is a Professor of Environment Management and Health at the Hamburg University of Applied Sciences, in Germany. He directs the International Climate Change Information Programme (ICCIP) www.iccip.net which is a leading programme on climate change education, information and communication. His research interests are on sustainable water management, climate change and renewable energy. He has over 300 publications among authored/edited books, book chapters, papers published in refereed journals and/or presented at international conferences, to his credit.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member for Germany and contributor to WG4.</p>

i. General information	
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ii. Short biography
<p>Geologist-Geophysicist, currently working as a Researcher at EKBA-IGME. Before IGME has worked as a PDRA at the University of Bradford, UK. Graduate of Aristotle University of Thessaloniki, holds an MSc and a PhD in Geophysics. Recently working on Urban/Suburban (e.g. cities of Nafplio, Volos, Igoumenitsa) and Marine Geology studies. Specialist on GIS applications and databases; data harmonization/standardization according to EU directives (1Geology-Europ plus initiative). Scientific responsible in EU-funded projects (GEO-SEAS, EMODNET2), involved in NSRF projects (e.g. GEOCHART, YPOTHER). Representative of Greece in the Marine Geology Expert Group of EuroGeoSurveys. A total of peer-reviewed 23 publications and 47 conference presentations. Editor in Chief of «Hellenic Geosphaera» the newsletter of IGME. Other research interests include archaeo-, palaeo- and environmental magnetism.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG2</p>

i. General information	
First and last name:	Beatriz Mozo Lopez
Country:	Ireland
Institution:	Geological Survey of Ireland
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Position in Institution:	Geologist
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ii. Short biography
<p>Beatriz Mozo Lopez has Master Degree in Geology from the University of Oviedo (1998). A higher diploma in GSI and remote sensing from the University of Maynooth (2004) and a diploma in environmental engineering from Trinity college Dublin (2007)</p> <p>She works at the Geological Survey of Ireland in the Geotechnical/Quaternary section. Her area of interest includes 3D modelling for Quaternary and Bedrock deposits.</p> <p>She is also involved in the development and management of the National Geotechnical Borehole Database and in the Landslides susceptibility mapping.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG member [WG2 and WG4]</p>

i. General information		  
First and last name:	Karlo Martinović	
Country:	Croatia / Ireland	
Institution:	Faculty of Civil Engineering, Uni. Zagreb (<i>up to 01/09/2013</i>), Croatia Gavin&Doherty Geosolutions (<i>from 01/01/2014</i>), Ireland	
Institution address:	Kačićeva 26, 10 000 Zagreb	
Position in Institution:	Junior researcher	
tel.:	00385913237903	
e-mail:	karlokum@gmail.com	

ii. Short biography
<p>Education and training:</p> <p>2008 – 2010: MSc Civil Engineering – Geotechnics (Faculty of Civil Engineering, Uni Zagreb, Croatia)</p> <p>2005 – 2010 BSc Civil Engineering (Faculty of Civil Engineering, University of Zagreb, Croatia)</p> <p>Work experience:</p> <p>09/2010 – 09/2013: Research Assistant</p> <p>Department of Geotechnics, Faculty of Civil Engineering, University of Zagreb, Croatia</p> <p>Work consisted of scientific, educational, and expert activities at Department of Geotechnics. Scientific activities: participated in various research projects with geotechnical background, and also published a number of papers. Expert activities: consultant, designer and assistant designer on various geotechnical projects (landslides, tunnels, soil improvement, soil investigation etc.).</p> <p>01/2014 – present: Geotechnical Design Engineer (Gavin&Doherty Geosolutions) and a PhD student at University College Dublin, Ireland</p> <p>Involvement in other COST Actions:</p> <p>Co-leader of WG4 (Hazard/Risk) in COST TU1202 (Impact of Climate Change on Engineered Slopes for Infrastructure)</p>

iii. Contribution to COST TU1206 Action
Role in Action: MC Member, WG4

i. General information		 
First and last name:	Lara Pajewski	
Country:	Italy	
Institution:	Department of Engineering «Roma Tre» University	
Institution address:	Via Vito Volterra 62, 00146 Rome	
Position in Institution:	Researcher	
tel.:	00390657337095	
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website:	www.uniroma3.it, www.GPRadar.eu	



ii. Short biography
<p>Lara Pajewski received the Laurea degree in Electronic Engineering cum laude from «Roma Tre» University of Rome, Italy, and the Ph.D. in Applied Electromagnetics and Electrophysics Sciences from «La Sapienza» University of Rome. She is a Researcher in Electromagnetics at «Roma Tre» University, where she teaches the «Laboratory of Microwaves and Antennas» and «Electromagnetic Instrumentation» courses for Bachelor's and Master's Degrees in Electronic Engineering. Her main research interests are in Ground Penetrating Radar, electromagnetic modelling, antennas, electromagnetic pollution and radiation protection. Lara Pajewski is the Chair of COST Action TU1208 «Civil Engineering Applications of Ground Penetrating Radar» launched in April 2013 – this Action focuses on the exchange of scientific-technical knowledge and experience of GPR techniques in civil engineering, aiming at promoting throughout Europe a wider and more effective use of this safe and non-destructive inspection method.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG4.</p> <p>Her main contribution to the Action will come from her experience on Ground Penetrating Radar. This non-invasive imaging technique can be effectively used for underground mapping in urban areas (detection of subterranean cavities and voids, groundwater/pollution evaluation, buried utility sensing, road/tunnels/concrete/cellar inspection, analysis of geological structures for the mapping of soil, rock or fill layers in geotechnical investigations, ...). Synergy with COST Action TU1208 will be pursued.</p>

i. General information		 
First and last name:	Ignace van Campenhout	
Country:	the Netherlands	
Institution:	Rotterdam Municipal Engineers	
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ii. Short biography
<p>Studied geology at University of Amsterdam. Worked as exploration geologist/geophysicist for Shell and Halliburton in Africa, Middle East, UK and Russia At Rotterdam Municipal Engineers managing Rotterdams' contribution to various national and regional programmes that focus on bringing the subsurface as early as possible into the spatial planning process. Also active as chief geologist for Brabant Water, involved in seismic and geological evaluation of geothermal energy plays in the Netherlands.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute member, WG1, WG3 (leader)</p> <p>By the time we, subsurface specialists, meet urban developers in the spatial development process they should already have ambitions with the subsurface, they should be aware of its constitution, its structure and its potential. In fact we should start informing them and the general public as early as possible (secondary school).</p> <p>That's where I see a major role for our COST action: seducing the general public with our urban geology models, presenting the subsurface in such a way that the subsurface becomes a part of their imagination. Urban developers and other stakeholders need this imagination in order to define their ambitions, and only after having ambitions they can make plans with the subsurface.</p>

i. General information		 
First and last name:	Jeroen Schokker	
Country:	The Netherlands	
Institution:	TNO - Geological Survey of the Netherlands	
Institution address:	PO Box 80015 NL-3508 TA Utrecht	
Position in Institution:	Geologist / geomodeller	
tel.:	+31 6 46847280	
e-mail:	jeroen.schokker@tno.nl	
website:	https://www.tno.nl/en/focus-area/energy/geological-survey-of-the-netherlands/	

ii. Short biography
<p>Dr Jeroen Schokker (1975) graduated in Applied Physical Geography and Quaternary Geology at the Vrije Universiteit Amsterdam and subsequently received his PhD at Utrecht University on the sedimentary architecture, palaeoclimatic significance and dating of Middle- to Late Pleistocene sediments in the Roer Valley Graben (South-Eastern Netherlands). Being appointed as a geologist at the Geological Survey of the Netherlands in 2003, he has since been involved in many different projects related to mapping and 3D-modelling of the geology of the Netherlands. Applications comprise a.o. shallow subsidence, ground stability, preservation of archaeological heritage, extraction of raw materials and urban spatial planning. Jeroen is actively involved in European projects on cross-border geological mapping and modelling the urban subsurface.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: Leader WG2.3</p> <p>Within COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities', Jeroen is coordinating WG2.3 (3D modelling & visualisation), which identifies current best practices and knowledge gaps in urban subsurface modelling & visualisation within the framework of subsurface spatial planning.</p>

i. General information	
First and last name:	Kees de Vette
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ii. Short biography
<p>Since 1983 I'm working in the subsurface. In the first twenty-five years mainly in soil research and remediation. In the beginning with a contractor who did all the work from research to remediation and making the rapport.</p> <p>Since the early Nineties, I'm working for the municipality of Rotterdam. The last years next to soil remediation of former gasworks, more and more subsurface knowledge based informing my colleagues.</p> <p>My goal in life is to support people and projects which can help to form a sustainable urban area. Cycling is a good way to see outside how cities work or don't function.</p>


iii. Contribution to COST TU1206 Action
<p>Role in Action: WG1</p>


i. General information		 
First and last name:	Roelof Stuurman	
Country:	The Netherlands	
Institution:	Deltares	
Institution address:	Princetonlaan 6 3584 CB, Utrecht	
Position in Institution:	Senior researcher & advisor	
tel.:	0031651594075	
e-mail:	Roelof.stuurman@deltares.nl	
website:	www.deltares.nl	

ii. Short biography
<p>Roelof Stuurman, senior hydrogeologist working at Deltares since 1986 is specialist in "Integral management of environment, groundwater and soil", hydrogeological systems analysis at a regional and local scale in support of spatial planning, environmental and water policy planning & (ground-) water management. Until 2005 studies were focused on (1) groundwater and surface water quality and ecology, (2) urban (ground-) water and (3) regional topics, like monitoring networks and spatial planning. Since 2005, many international project were elaborated: 2006-2014 New Orleans, Dutch Dialogues and Water Management Strategy project; 2011-2013 Aruba, groundwater and surface water management, design urban water system, solving salinization. 2009-2012, India (Orissa), Improving Rural Water Supply. Short urban water projects (1-week stakeholders dialogue meetings) in Taiwan (Kaohsiung), Saudi Arabia (Hafar Al-Batin) and India (Delhi, Mumbai). Project leader of European climate adaption project "Blue Green Dreams", dealing with new sustainable urban water solutions in urban areas. Member of winning Rebuild by Design team (2014: New York, Nassau County), planning resilience after Sandy storm.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG2</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities'. Focussing on mapping the antropogenic subsurface and on groundwater and subsidence monitoring.</p>



i. General information	
First and last name:	Guri V. Ganerød
Country:	Norway
Institution:	Geological Survey of Norway
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ii. Short biography
<p>I am a structural geologist of education, from the University of Bergen, with a PhD in applied geology on underground constructions and rockslides in Norway. I have worked ca. 10 years in the cross-over of geology, geophysics and engineering geology with the emphasis on tunnels and large scale rockslides. Since 2013 the worktasks are Sub-urban geology together with Hans de Beer and the team for groundwater and urban geology at the Survey (NGU).</p> <p>In addition, I work towards the educational system, especially in Trondheim, to enhance the focus on geology in schools.</p>


iii. Contribution to COST TU1206 Action
<p>Role in Action:</p> <p>Member of WG 4, MC-substitute</p> <p>Started to work with Sub-Urban in the fall of 2013.</p>

i. General information		 Norges geologiske undersøkelse Geological Survey of Norway 
First and last name:	Johannes (Hans) de Beer	
Country:	Norway	
Institution:	Geological Survey of Norway	
Institution address:	P.O. Box 6315 7491 Trondheim	
Position in Institution:	Team leader	
tel.:	004773904303	
e-mail:	hans.debeer@ngu.no	
website:	www.ngu.no / www.grunnvann.no	

ii. Short biography
<p>Hans de Beer (43) has a MSc in hydrogeology from the VU University Amsterdam (1994) and 20 years experience in urban water management, groundwater monitoring and modelling. After 10 years as project manager and hydrogeology consultant in the Netherlands, mostly involved with urban water management projects, Hans started early 2005 at the Geological Survey of Norway (NGU). At NGU, Hans has been working as senior researcher in hydrogeology. In the last 8 years, Hans worked on restoration of the groundwater level at the World Heritage Site Bryggen in Bergen in close cooperation with the Directorate for Cultural Heritage in Norway. Since 2012, Hans holds the position of team leader for the Groundwater and Urban Geology group at NGU and pursues a PhD on hydrogeological characterisation for in-situ preservation of urban archaeological sites.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Vice Chair, STSM co-ordinator, WG1, WG2, WG3, WG4</p> <p>Since April 2013, Hans is Vice-chair and STSM co-ordinator for COST Action TU1206, Sub-Urban. With his experience in urban groundwater management, geological modelling and project management, Hans participates in working group activities (workshops/meetings) that are specifically related to groundwater, modelling and urban geology.</p>

i. General information	
First and last name:	Ingelöv Eriksson
Country:	Norway
Institution:	Agency for Planning and Building Services
Institution address:	Vahls gate 1, N-0102 OSLO, Norway
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ii. Short biography
<p>Oslo, the capital of Norway , is developing the underground project, 2013-2016. Ingelöv Eriksson is the project manager of this interdisciplinary project that is treating subjects related to geology, hydrology, hydrogeology, urban planning and law as well as GIS, sub surface data capture and management.</p> <p>During this four year project we will treat subjects such as management and 3D modelling of sub surface data, urban planning of the underground, and impact of groundwater changes on buildings and other man made urban structures.</p> <p>The aim of the project is to find a sustainable way to manage the sub surface of our city.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, co-leader in WG 1 and WG2</p>

i. General information		 
First and last name:	Johan Borchgrevink	
Country:	Norway	
Institution:	Oslo planning and building agency	
Institution address:	Vahls gt 1, 0187 Oslo	
Position in Institution:	Senior Architect	
tel.:	+ 47 95700215	
e-mail:	Johan.borchgrevink@pbe.oslo.kommune.no	
website:		

ii. Short biography
<p>Johan Borchgrevink graduated as an architect from the University of Trondheim (Norway) in 1972, specializing in land use planning. Professional experience has been gained through various employments in private consultancy and governmental and municipal administration. He has since 2003 been working for the municipality of Oslo, mainly with land use and transport related tasks. In this vein he joined the Oslo underground project in February 2013, and has since been advisor on matters related to planning of the underground. Oslo has major challenges connected to planning of future railway and metro tunnels.</p> <p>Borchgrevink was introduced to the work of COST 18th of February 2014, as he gave a presentation in Amsterdam on „Major infrastructure developments in Oslo“ addressing the topic of „what are the planners needs?“</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG3, WG4</p> <p>Participant in WG1 and WG2. In WG2 Johan represents Oslo in subproject 1 Urban planning.</p>

i. General information		  
First and last name:	Adam Rybka	
Country:	Poland	
Institution:	Faculty of Civil and Env. Eng. Rzeszow University of Technology	
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Position in Institution:	Professor	
tel.:	0048178651624	
e-mail:	akbyr@prz.edu.pl	
website:	http://wbiis.prz.edu.pl/	

ii. Short biography
<p>education: Wrocław University of Technology, Faculty of Architecture, November 1995, Habilitation Thesis – work, Warsaw University of Technology, Faculty of Architecture, PhD , November 1986, PhD thesis, Warsaw University of Technology, Faculty of Architecture , Master`s degree , March 1979. I am the Professor in the subjects of the Degree and Master of architectural study in the field of design and environmental conditioning of architectural objects. I am the Member of the Degree Project and of the Master`s Dissertations. I am also Professor of the field of Architecture. I give seminars and conferences at universities and at national and international institutions. I am the Head of Department of Architecture and Urban Planning, Rzeszow University of Technology where I carry out research and design work in the field of architecture and urban planning, for instance: Design of architectural objects prototypes, Organization of design competitions, exhibitions and performances. I collaborate with several companies in the civil engineering sector. I am the author of several article in specialized magazines about architectural design, and I have also written about the Town planning methodology. I worked as an architect in firm State Conservation Lab since 1984 till 1987, having carried out more than 120 architecture projects in several fields such as houses preservation, interior design preservation, historic buildings. I worked as an architect in the area of projects of the City of Rzeszow, doing development works, urban design. I collaborate with different architects as a consultant of the architecture design as an expert in efficiency and sustainability. I have won several awards in the field of science and architecture. At present, I am a member of the scientific and professional associations Podkarpackie Province Chamber of Architects (since 2001), Scientific Society in Rzeszow (since 2005), the Association of Polish Architects (since 1981). Research interests are: Development of architectural and urban planning, Maintenance of historic buildings, Maintenance of historic urban complexes, Urban Planning, Building Physics. Scientific publications: More than 100 articles and speeches at conferences, foreign and domestic. Author and co-author of three monographs.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG2 In COST Action TU 1206 I am interesting in Development of architectural and urban planning methodology.</p>

i. General information		 
First and last name:	Grzegorz Ryżyński	
Country:	Poland	
Institution:	Polish Geological Institute – National Research Institute	
Institution address:	4 Rakowiecka Str., 00-950 Warsaw	
Position in Institution:	senior specialist	
tel.:	0048696647828	
e-mail:	gryz@pgi.gov.pl	
website:	www.pgi.gov.pl	

ii. Short biography
<p>Specialized in engineering geology, geotechnics and hydrogeology.</p> <ul style="list-style-type: none"> establishing ground-water conditions (ground investigation reports according to Eurocode7 and geotechnical design reports). Specialized in geological investigations for Power Plants, linear infrastructure and landslides. performing in-situ geotechnical investigations (CPT, DMT, DP, FVT, geological drilling and sampling) and their interpretation, deriving geotechnical parameters, creating geological /geotechnical subsoil model, establishing physical, mechanical and hydraulic parameters of soils – field and laboratory tests, developing and implementing experimental and innovative laboratory and field testing methods landslide monitoring, design and implementation of monitoring system and GIS database, interpretation and visualization of data, drilling and in-situ field tests supervision, soil sampling and in work coordination of geological investigation field teams, coordination of reporting process and laboratory tests. statistical analysis of geotechnical data, especially for verification of geotechnical model. geological landslide mapping, GPS field survey in ArcGis environment engineering-geological database management, visualization and analysis methods for borehole data, data quality management,

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute</p>

I. General information		 
First and last name:	Krzysztof Majer	
Country:	Poland	
Institution:	Polish Geological Institute - National Research Institute	
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II. Short biography
<p>Krzysztof (Christopher) Majer graduated Faculty of Geology (direction of environmental protection) at Warsaw University. Nowadays he works in Polish Geological Institute - National Research Institute since October 2000. He worked mainly in the departments related to the engineering geology. Now he works as a main specialist in GIS techniques and he deals with engineering geological cartography.</p> <p>His areas of interest include mainly engineering geological research but first of all engineering geological cartography using GIS tools. His work is directed on GIS analyses, mainly for engineering geological and construction conditions. He has scored some important cartographical works, such as The Engineering Geological Atlas of Lodz Agglomeration or The Engineering Geological Atlas of Wroclaw Agglomeration.</p> <p>He is the member of Polish Geological Survey (PSG), Polish Engineering Geological and Environmental Protection Committee (PKGiŚ), Polish Committee for Standardization (PN) and other. He is also MC Member in COST Action 'TU1206: SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities'.</p>

III. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG2, subgroup 2 member</p>

i. General information	
First and last name:	Anna Wilimowska
Country:	Poland
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ii. Short biography
<p>Anna Wilimowska works in the Municipal Office of the Capital City of Warsaw, in Cadastre and Geodesy Department as an inspector. She is responsible for the construction and development of the Spatial Information Infrastructure of the Capital City of Warsaw, including the implementation of The City of Warsaw's Spatial Data Warehouse function as a district node of Spatial Information Infrastructure. She is also involved in cooperation with organizational units of the Municipal Office in terms of creation and use of spatial data and conducting matters related to the preparation and implementation of public procurement in terms of Spatial Information Infrastructure. M.Sc. in geography, specialization in remote sensing and GIS.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member Substitute, WG2 member</p>

i. General information	
First and last name:	Luis Loures
Country:	Portugal
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ii. Short biography
<p>Luís Loures is a Landscape Architect, Professor at the ESAE in the Polytechnic Institute of Portalegre, who holds a Ph.D. in Urban Planning, and has published several peer reviewed papers at the national and international levels and he has been a guest researcher/Professor at several Universities as is the case of Michigan State University (USA), University of Toronto (Canada) University of Trás-os-Montes e Alto Douro (Portugal), Letterkenny Institute of Technology (Ireland), University of Algarve (Portugal), Ryerson University (Canada), among others. His research is mainly focused on urban redevelopment and environmental planning issues.</p> <p>He is also a researcher both at the CIEO - Research Centre for Spatial and Organizational Dynamics - University of Algarve, and the C3I - Interdisciplinary Research Centre for Innovation - Polytechnic Institute of Portalegre, where He coordinates(ed)/cooperates(ed) several financed research projects focusing different investigation domains such as urban planning and urban redevelopment, and the use of urban planning as a tool for achieving sustainable development, (TUD COST Action - TU0602 - Land Management and Urban Dynamics); and TUD COST Action TU1003 - MEGAPROJECT: The Effective Design and Delivery of Megaprojects in the European Union.</p>



iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member</p>

i. General information	
First and last name:	Luisa Gonçalves
Country:	Portugal
Institution:	Institute of Systems and Computer Engineering of Coimbra (INESC) / Polytechnic Institute of Leiria
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ii. Short biography
<p>Luisa Maria da Silva Gonçalves holds a degree in Geomatic Engineering from the University of Coimbra a MSc in Geographical Information Systems (GIS) from the Technical University of Lisbon and a PhD in Civil Engineering, in the scientific area of Urban, Regional Planning and Transportation, from the University of Coimbra. Currently, she is the head of the Civil Engineering Department at the School of Technology and Management of the Polytechnic Institute of Leiria where she is also Professor of Urban and Regional Planning, Geographic Information Systems and Remote Sensing. She is a visiting professor of the Master degree in Science and GIS at the ISEGI-New University of Lisbon, teaching Cartographic Sciences. She has more than 10 years of experience in Remote Sensing and GIS, having coordinated and participated as a team member in research and development projects, specialized consultancy studies ordered by several public institutions and companies in areas related with Planning, Remote Sensing and Geographic Information Systems. She is also a research member of the Institute of Systems and Computer Engineering of Coimbra (INESC) and MC Member in COST Action 'TU1208 Civil Engineering Applications of Ground Penetrating Radar. Her research work focus on Remote Sensing, GIS, modelling and processing the uncertainty information associated with spatial data. One of the present investigation interests is GeoBIM and the application of non-destructive methods such as image processing techniques, multi-spectral image analysis and GPR for building assessment and cultural heritage diagnostics.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG2</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is in developing state-of-the-art in dealing with subsurface in Portugal. Also she will be included in WG2 in Subsurface Urban planning & management Subproject.</p>

i. General information		 
First and last name:	Ada Pandeale	
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Position in Institution:	Senior researcher	
tel.:	0040724505421	
e-mail:	ada.pandeale@hidro.ro	
website:	www.hidro.ro	

ii. Short biography


Ada Pandeale is a senior researcher within the Groundwater Department of the National Institute of Hydrology and Water Management (NIHWM) with more than 15 of years experience in the research field. Ms. Pandeale graduated in 1991 the Faculty of Geology and Geophysics - University of Bucarest and worked between 1991-1994 for the Romanian Waters National Administration. Between 1994-1996 she took the Master of Sciences courses organized through TEMPUS Programme by the Technical University of Civil Engineering Bucharest – Faculty of Hydrotechnics. Further, she prepared her doctoral thesis within the same faculty, with the following topic mathematical modeling of groundwater regime and transport of contaminants in saturated zones (1996-2002). In the next period Ms. Pandeale followed different training courses – GIS (2007), FEFLOW – 2007, MIKE SHE – 2010. As researcher, Ms. Pandeale worked at different type of studies (groundwater supply systems protection and evaluation, aquifers vulnerability assessment etc). Starting with 1999 she was implicated as a researcher and project manager in several national and international research projects, within the frame of programmes such as CEEX RELANSIN, PNCD2, LIFE, PHARE, Intereg SEE, EEA Grants.

iii. Contribution to COST TU1206 Action

Role in Action: MC Member

Her role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is in developing state-of-the-art in dealing with groundwater in Romania.

i. General information	
First and last name:	Constantin Radu GOGU
Country:	Romania
Institution:	Groundwater Engineering Research Center Technical University of Civil Engineering, Bucharest
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Technical University of Civil Engineering Bucharest
Groundwater Engineering Research Center



ii. Short biography
<p>Constantin Radu Gogu is a senior researcher with experience in hydrogeology, numerical modelling as well as spatial data analysis. His resume shows about 25 years of experience in groundwater modelling, groundwater vulnerability assessment, groundwater artificial recharge, geospatial databases design, and GIS-based geosciences modelling tools. This was achieved during different international projects in various European countries: Switzerland, Belgium, Spain, Greece, and Romania.</p> <p>Currently, Dr. Gogu is associate professor and the head of the Groundwater Engineering Research Centre (CCIAS) at Technical University of Civil Engineering of Bucharest. Since 2011 he built up the Groundwater Engineering Research Centre (CCIAS) of the Technical University of Civil Engineering Bucharest, Romania (www.ccias.utcb.ro). The CCias team develops applications within several contracts targeting both private and public sectors (FP7, EEA Grants, European Space Agency, Swiss National Funds, local authorities and others).</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action:</p> <p>To be defined.</p>

i. General information		 <p>Technical University of Civil Engineering Bucharest Groundwater Engineering Research Center</p> 
First and last name:	Stefan Dragos Gaitanaru	
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ii. Short biography
<p>Dragos Gaitanaru is a young researcher with 8 years of experience in geoscience international and national projects. He obtain his BSc in Geography at the University of Bucharest and the MSc in Applied Climatology at the same university. Currently is a researcher and a Phd student. His main topic of research is the application of different GIS and webmapping tools to different geo domains: (1) Hydrology - Surface and Groundwater - several projects and contracts (EU FP6 project <Gabardine> for artificial recharge - where he was the lead GIS analyst for a Decision Support System based on a ArcGis Framework, national projects <ECAVAS, SITAR, SIMPA, AQUPROTECT> where he was responsible for GIS software development and geospatial database, different contracts for development of custom GIS application for hydrology <QUIMET, GH-MOD>; (2) Geology - he was involved in the development of a ArcGis plug-in for geological analysis and visualization <HEROS>. Also he was the architect of a WEBGIS Decision Support System for CO2 injection in deep saline aquifers (EU FP7 Project MUSTANG); (3) Seismic - he participated in the development of an open source application that assess and maps the damage risk correlated with seismic events in the south part of Romania <THIMA>; (4) Environmental science - he currently is the architect of a WEBGIS solution to assess the brownfield impact <EU FP7 TIMBRE>, 2 conservation projects <Life-Nature> where he collected, analyzed and updated geospatial database. Also as a Phd student he is teaching the Technical University of Civil Engineering two GIS laboratories: Geospatial Data Visualization and GIS application for geotechnics.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action:</p> <p>Do be defined.</p>

i. General information		  
First and last name:	Djurdjica Stojanović	
Country:	Serbia	
Institution:	Faculty of Technical Sciences University of Novi Sad	
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Position in Institution:	Assistant Professor	
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website:	www.ftn.uns.ac.rs	

ii. Short biography
<p>Prof. Dr. Djurdjica Stojanović is an Assistant Professor at the University of Novi Sad. Her main research interests include transport logistics in supply chains (particularly road freight transport), logistics outsourcing, international logistics, sustainable supply chain, green and reverse logistics and urban green freight transport. She has taught and/or currently teaches the following undergraduate and graduate courses: Reverse and Green Logistics, Sustainable Logistics, Freight Forwarding, International Logistics, and Intermodal Transport Technologies. She has published two books and more than 60 papers in the national and international conferences and journals. Prof. Dr. Djurdjica Stojanović has been involved in one international project, the INTERREG (Project No. INTERIM5D202, 2006 - 2008, the project value of 1 256 000 EUR) and several national projects (funded by the Republic of Serbia's Ministry of Science and Education). Her main contributions were in the areas of transport management, transport optimization, outsourcing, logistics database and information system development and transport impact on environment.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1</p> <ul style="list-style-type: none"> • Providing information and literature (focusing on information from Serbia) • Translating when necessary • Write text contributions • Reviewing / editing • Involving stakeholder(s) from Novi Sad, if possible.

i. General information	
First and last name:	Ján Kaňuk
Country:	Slovakia
Institution:	Institute of Geography Faculty of Science Pavol Jozef Šafárik University
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ii. Short biography
<p>2009 – PhD. – University of Prešov, Slovakia 2009 – junior researcher, University of Prešov, Slovakia 2010 – lecturer, Pavol Jozef Šafárik University in Košice, Slovakia Projects: International projects: COST Action TU1206: SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities. National projects: New methods of spatial modelling using laser scanning and 3-D GIS Spatial analyzes and modeling for a 3-D GIS Geographic Information Science textbook for geographic study programs Modelling the distribution of solar radiation in urban areas and its potential for use A potential for the use of renewable energy in the territory of Slovakia</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1</p> <p>Methodology for integrated surface and subsurface 3-D LiDAR data in GIS</p>

i. General information		 
First and last name:	Jaroslav Hofierka	
Country:	Slovakia	
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ii. Short biography
<p>Jaroslav Hofierka is a professor of Geographic Information Science at the Faculty of Science, Pavol Jozef Safarik University in Kosice, Slovakia. Currently, he is a director of the Institute of Geography. His area of interest includes spatial interpolation, geomorphometry, landscape processes and 3-D city modeling. He has been a principal investigator of several research projects and participated in numerous application projects. He has been a member of the GRASS GIS development team and co-worked on several GRASS GIS software modules for spatial interpolation, geomorphometry analysis, hydrological and solar radiation modeling. He is a member of advisory boards in several scientific journals.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' – contributions to the inventory of existing 3D methods and tools and state-of-the-art of research in this field in Slovakia, cooperation and support in dissemination activities.</p>

i. General information	
First and last name:	Michal Gallay
Country:	Slovakia
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ii. Short biography
<p>Education: 2010 – PhD., School of Geography, Archaeology and Palaeoecology at Queen's University Belfast, UK, Thesis: Assessing alternative methods for acquiring and processing digital elevation data; 2005 – MSc. in Physical Geography and Geoecology, Comenius University in Bratislava, Slovakia; 2003 – BSc. in Geography and Cartography, Comenius University in Bratislava, Slovakia; Job: 2008 – Current - Lecturer of GIScience, Pavol Jozef Šafárik University in Košice, Slovakia 2013 – Current - Deputy for research and foreign relations at the Institute of Geography Research: Specialized on digital geomorphometry and its application on LiDAR and ground survey data for environmental modelling.</p> <p>National projects: New methods of spatial modelling using laser scanning and 3-D GIS Spatial analyzes and modeling for a 3-D GIS Geographic Information Science textbook for geographic study programs</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG1 Member</p> <p>Methodology for integrated surface and subsurface 3-D LiDAR data in GIS.</p>

i. General information		 
First and last name:	Lučka Lorber	
Country:	Slovenia	
Institution:	Faculty of Arts Department of Geography University of Maribor	
Institution address:	Koroška cesta 160, 2000 Maribor	
Position in Institution:	Lecturer and researcher	
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website:	www.um.si/	

ii. Short biography
<p>Lučka Lorber is Vice-Rector for Quality development and Assist. Professor on Geography at the Department of Geography, University of Maribor and former State Secretary for HE in Slovenia. Her teaching and researching is mainly on the field of Regional and Human Geography (Economic Geography and Transport Geography). She was guest professor at different European institutions (intercultural skills for the teaching in international courses) and she is the member of several editorial boards of the international scientific journals. She was national coordinator of the SEE research project: Revitalisation of Traditional Industrial Areas in South East Europe (ReTiNa). University of Maribor was knowledge provider and she was responsible for a variety of project focusing on different aspects of implementation of the result (Brownfield Revitalisation Methodology, BRM), especially to the stakeholders. She has held various executive and non-executive positions in the domains of Higher Education (universities, ministry, international organizations), at present she is also evaluator for IEP EUA and NAKVIS in the field of quality assurance.</p> <p>Remark: She is also involved in COST Actions TU 1209.</p> <p>Bibliography: http://izumbib.izum.si/bibliografije/Y20121009104659-06182.html</p>


iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG3</p> <p>Lučka Lorber, national coordinator of the ReTiNa project, Revitalization of Traditional Industrial Areas within the SEE, noticed the presence of a great need for a planned and systematic study of brownfields subsurface in urban areas. Therefore her role in the COST Action 1206 in pursuit of the following objectives primarily will be:</p> <ul style="list-style-type: none"> - Provide training and continuing support and advice to better inform and empower decision makers and other end-users, partikulary stakeholders. - Foster development of policy which reflects the importance of the urban subsurface.

i. General information	
First and last name:	Miloš Bavec
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ii. Short biography
<p>Geologist, Head of the Regional geology department at Geological Survey of Slovenia. Involved in various national and international projects; mainly in the field of geohazard and geological maps/models.</p> <p>Research interests: Quaternary geology, paleoseismology, sesimotectonics, Earth surface processes, sedimentology (glacial, alluvial, fluvial, mass movement processes), active tectonics, glacial geology, geohazard, structural geology, geology in spatial planning, popular science.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member</p>

i. General information		 
First and last name:	Mitja Janža	
Country:	Slovenia	
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Position in Institution:	Senior researcher	
tel.:	0038612809822	
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website:	www.geo-zs.si	

ii. Short biography
<p>Mitja Janža is a researcher at Department of hydrogeology at Geological Survey of Slovenia. He received his Ph.D. in geology from University of Ljubljana in 2004. His research areas of interest include numerical modelling, remote sensing and GIS/spatial analysis in hydrogeology. He is a member of Slovenian Chamber of Engineers, Slovenian Geological Society, International Association of Hydrogeologists and ECQA certified EU project manager.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute, WG1, WG2</p> <p>In COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' he coordinated activities for a Ljubljana city case description for the report of WG1. He is also involved in work of WG2 sub-group Urban Groundwater Monitoring, Geothermal and Modelling in the field of best practice of communicating groundwater data, models, and knowledge to decision making tools.</p>

i. General information	
First and last name:	Cristina Conde
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Universidad
Rey Juan Carlos



ii. Short biography
<p>PhD in Computer Sciencia and Mathematical Modelling. Associate Professor at Faculty of Computer Sciencie, at University Rey Juan Carlos in Madrid (Spain). Vice-Dean of Studies. Strong knowledge and technology base in computer vision, pattern recognition and bimensional and threedimensional visualization and object recognition. Collaboration as researcher in several COST actions and European and National projects, as project leader in some of them.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute</p>

i. General information		 Hochschule für Angewandte Wissenschaften Hamburg Hamburg University of Applied Sciences 
First and last name:	Josep de Trincheria	
Country:	Spain	
Institution:	Research and Transfer Centre „Application of Life Sciences“ at Hamburg University of Applied Sciences	
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Position in Institution:	Project Manager and Researcher	
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e-mail:	josepmaria.detrincheriagomez@haw-hamburg.de	
website:	http://www.haw-hamburg.de/en/ftz-als/about-us/team1.html	

ii. Short biography
<p>Since 2011, Josep de Trincheria manages international applied research projects focusing on rainwater harvesting management, small-scale irrigation and climate change adaptation. He is also carrying out a PhD research focusing on the impacts and cost-efficiency of groundwater dams in eastern Africa. He is not currently involved in any but he is managing two projects funded by Europe-Aid and FP7 which show synergies with COSTTU1206. Specifically, the projects focus on how to tap groundwater resources potential in rural drylands of sub-Saharan Africa (AFRHINET project), and flood management in urban areas of the Baltic Sea Region (Baltic Flows, http://www.balticflows.eu/)</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG4</p> <p>Promotion and networking of COSTTU1206 in Germany and other related EU-funded projects.</p> <p>Technical content development.</p>

i. General information	
First and last name:	Miguel Pazos Otón
Country:	Spain
Institution:	Faculty of Geography University of Santiago de Compostela
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FACULTAD DE GEOGRAFÍA E HISTORIA



ii. Short biography
<p>Miguel Pazos Otón, PhD (M), is full professor in Geography, in the Department of Geography and Town and Country Planning, University of Santiago (Spain). His research lines are focused on tourism and regional development. He has participated in projects whose theme was related to the Camino de Santiago, new challenges of governance in the Atlantic Axis Galician cities, the pursuit of sustainability in land management and the design of management models and institutional and financial solutions for historic cities. Also he collaborated in the European project ARTS funded by the 5 Framework Program.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute, WG1, WG2, WG3, WG4</p>

i. General information	
First and last name:	Rubén Camilo Lois González
Country:	Spain
Institution:	Faculty of Geography University of Santiago de Compostela
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Position in Institution:	Professor
tel.:	0034 647 344 141
e-mail:	Rubencamilo.lois@usc.es
website:	www.usc.es/ante


 FACULTAD DE GEOGRAFÍA E HISTORIA


ii. Short biography
<p>Rubén C. LOIS-GONZÁLEZ is a university professor of Geography at the University of Santiago de Compostela, in the Department of Geography and Town and Country Planning. He is a specialist in urban and cultural Geography. He also dedicates his time to developing tourist analysis referring to historic cities, cultural itineraries and pilgrimage routes. He has been Director General for Tourism of the Autonomous Galician Government (2005-2009), Dean of the Faculty of Geography and History (2003-2005) and is currently the Director of the Euro-regional Study Centre (CEER), an organism for scientific cooperation between the universities in Galicia and the northern region of Portugal. He is the principal researcher of the draft for the Regional Atlas Project for the 2020 Strategy from the EU. He is also directing a cooperation project with Africa and he is the person in charge of the Competitive Reference Group, ANTE (Territorial Analysis), at the University of Santiago.</p>


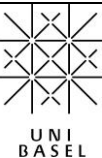

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG2, WG3, WG4</p>

i. General information	
First and last name:	Peter Dahlqvist
Country:	Sweden
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Position in Institution:	Senior Geologist
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ii. Short biography
<p>Hydrogeologist involved in SUB-URBAN.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG2</p>

i. General information		  
First and last name:	Jannis Epting	
Country:	Switzerland	
Institution:	Applied and Environmental Geology, University of Basel	
Institution address:	Bernoullistrasse 223, 4056 Basel	
Position in Institution:	Senior researcher	
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ii. Short biography
<p>From 1995 to 2002 Jannis Epting studied Hydrology at the Institute of Hydrology, Albert Ludwig University Freiburg. Since 2003 he performs basic and applied research at the Applied and Environmental Geology group of the University of Basel. His work is related to regional geological and hydrogeological questions (e.g. groundwater flow, heat and transport modeling, determination of groundwater protection zones, well capture zones, nitrate transport and geophysical investigations of contaminated sites, consideration of subsurface heterogeneity). Research and project work includes the management and protection of surface water and groundwater during the construction of major infrastructures in urban areas. This included the development and application of new methods for adaptive urban groundwater management and protection. He obtained teaching experience by delivering lectures and courses in geotechnics and hydrogeophysics as well as presenting research results to students. His field experience includes: Organization, management and realization of tracer and pumping tests as well as drilling surveys; setup and support of extensive field observation systems; several field experiments with hydrogeophysical methods to investigate contaminated sites, flow processes near to dam structures and processes of river-groundwater interaction.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG2 (Section 2)</p> <p>His role in COST Action 'TU1206 SUB-URBAN - A European network to improve understanding and use of the ground beneath our cities' is in developing guidelines and best practice of city-scale groundwater monitoring for urban areas with large data availability and city wide monitoring infrastructure.</p>

i. General information	
First and last name:	Aydın Üstün
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ii. Short biography
<p>Aydın Üstün graduated as a Geodesy and Photogrammetry Engineer at Selcuk University, Konya in 1993. He received the PhD degree from Yildiz Technical University in geodesy, İstanbul in 2002. Between 2004 and 2012 he worked as faculty member at Selcuk University and from 2009 he is the head of Geodesy Division.</p> <p>His research interests are on physical and space geodesy and the related fields. He managed the research projects on detecting and mapping land subsidence by means of geodetic techniques and the recovery and use of local geoid models by heterogeneous terrestrial data in Konya Closed Basin.</p> <p>Aydın Üstün is a member of in International Association of Geodesy (IAG) and American Geophysical Union (AGU).</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG2, WG3, WG4</p>


i. General information	
First and last name:	Alex Donald
Country:	United Kingdom
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ii. Short biography
<p>Alex has worked at the Geological Survey of Northern Ireland for 11 years and is currently involved in information delivery and data management having previously worked on a regional geophysical and geochemical sampling programme.</p> <p>Alex runs the GSNI 3D visualisation suite in Colby House and works with Universities, Government departments and commercial users to assist with visualisation and enhanced interpretation of data.</p> <p>Alex has produced interactive displays for science and visitor centres using the 3d visualisation facility and produces GSNI's books, atlas and printed publications.</p> <p>Software experience: ArcGIS, GeoVisionary, GSI3D, web technologies</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Member, WG1, WG4</p> <p>Website development</p> <p>Website content</p> <p>Contribution of case studies for WG1</p>

i. General information	
First and last name:	David Lawrence
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British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL



ii. Short biography
<p>David graduated from the University of Durham and joined BGS, the British Geological Survey (then Institute of Geological Sciences) in 1975. A field geologist by training, he has been instrumental in the evolution of methods for presenting the results of applied geological mapping projects conducted by BGS on behalf of the UK Government and in demonstrating the relevance of geoscience information to planning and development in urban areas of the UK. He has contributed to and led a variety of urban mapping projects within the UK since the mid 1980s, specialising in coalfield areas. During this time he has embraced the opportunities opened up through computerisation including the establishment of borehole databases, use of GIS and the development of 3D subsurface models. Most recently he has broadened his role of promoting the public understanding of geology through a series of pioneering geodiversity studies in northern England.</p> <p>He was appointed a BGS Honorary Research Associate In 2013.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG1 , WG2 and WG4</p> <p>Prominent in preparation of the Action and its guidance through the submission process.</p> <p>Now acting as Scientific & Meeting Secretary to the Action.</p>

i. General information	
First and last name:	Gillian Dick
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Position in Institution:	Principal Development Plan
tel.:	00441412878614
e-mail:	gillian.dick@glasgow.gov.uk
website:	www.glasgow.gov.uk/developmentplan




ii. Short biography
<p>BSc(Hons) Town Planning (Heriot Watt) 1988, BSc(Hons) Human Geography (Open University) 2005. Member of the Royal Town Planning Institute 1989 onwards.</p> <p>Banff & Buchan District Council / Aberdeenshire Council – Development Management, Forward Planning & Implementation. Land supply issues, sustainable transport. Participated in Intereg 2c project NOORDXXI Quality by Identity 1998 – 2001</p> <p>Glasgow City Council – Landscape & environment; Suds, Outdoor Access, Local Development Plan, Green Network, Strategic planning, Natural environment Framework, Strategic drainage, energy Planning, Antonine Wall World Heritage. Was on working group that developed CIRIA report into reuse of previously developed land.</p> <p>Work closely with Glasgow Caledonian University to support 2 placement students on 4 month placement within our service every year.</p>


iii. Contribution to COST TU1206 Action
<p>Role in Action: MC Substitute, WG1, WG2, WG3, WG4</p>

i. General information		 <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p> 
First and last name:	Helen Bonsor	
Country:	U.K.	
Institution:	Groundwater Programme, British Geological Survey	
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Position in Institution:	Hydrogeologist	
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e-mail:	helns0@bgs.ac.uk	
website:	www.bgs.ac.uk	

ii. Short biography
<p>Helen studied geology at the University of St Andrews, before going on to study Hydrogeology at the University of Birmingham (2008). She has since worked at the British Geological Survey as a Hydrogeologist. Her interests are focused to groundwater resource characterisation, including large-scale data reviews and groundwater resource characterisation within Africa and SE Asia, national groundwater quality sampling, and urban groundwater monitoring in the UK. Helen is currently leading a review of urban groundwater monitoring practices within Europe as part of the Sub-Urban Action (TU1206) within the EU COST research programme. She has also led two Short Term Scientific Missions (STSMs) within the Sub-Urban Action for knowledge exchange on urban groundwater monitoring and subsurface data management with BSU Hamburg, and with GEUS, City of Odense and VCS Odense.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: Hydrogeologist young researcher WG2</p> <p>Co-ordinating a review on urban groundwater monitoring practices within Europe within the Sub-Urban Action.</p>

i. General information	
First and last name:	Katie Whitbread
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British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL



ii. Short biography
<p>I joined the BGS in 2005 after graduating from Cambridge University with an Msci in Natural Sciences (Geological Science). In my role at the BGS I undertake a range of commercial and strategic science research projects in the fields of sedimentary geology, Quaternary geology and geomorphology. I have extensive experience in geological and geomorphological field surveying in northern England, Wales and Scotland, and in the development of 3D geological models of superficial deposits in urban areas of southern Scotland and northern England. I also lead research utilising GIS-based terrain analysis to assess surface erosion processes, and conduct geodiversity audits.</p> <p>Between 2008 and 2012 I took study leave from BGS to undertake a PhD at the University of Glasgow. I developed research into erosion in postglacial rivers, using cosmogenic nuclide analysis, GIS analysis and geomorphic field surveying.</p>

iii. Contribution to COST TU1206 Action
<p>Role in Action: WG1, WG2</p> <p>I represent the BGS on working groups 1 and 2, of the Sub Urban COST Action, providing information on 3D geological modelling undertaken by BGS, particularly in relation to work in the city of Glasgow developed under the Clyde Urban Super Project.</p>