

Report of the UBC Commission on Environment

Evaluation of the work of the UBC Commission on Environment

Introduction

The secretariat has been actively implementing the work with the cross-sectoral UBC Sustainability Action Programme 2010 – 2015 approved in the General Conference in Kristiansand September 2009. The basic resources provided by the host city and the UBC combined with the successful project funding have enabled the secretariat to carry on a strong coordination role with a current staff number of 19 full-time professionals (Finnish-Swedish-Polish-Russian-German-Ukrainian-Danish). The UBC EnvCom is co-chaired by Ms Dace Liepnice from City of Liepaja and Mr Mikko Jokinen from City of Turku. Both co-chairmen are actively taking part in the activities and events of the UBC EnvCom. The secretariat is located in the Baltic Sea House in the old centre of Turku.

The commission is activated in different development projects, policy-, networking-, and capacity-building activities. However, the most important resource of the commission are the active UBC member cities who contribute with their knowledge, experiences, motivation and strong involvement for the mutual benefit.

During year 2012 the focus has been on implementing projects and further develop the cooperation between the UBC Commissions and UBC activities and networking in general. A successful joint *UBC Commission meeting was held in Halmstad including UBC Commission on Energy, Environment, Urban Planning and Transport including approximately 85 participants*. The *UBC Good Practice Database* is working to better serve and collect information, data, good practises etc. from projects, meetings and UBC member cities. More than 550 Good Practice cases are already listed in the database (see www.ubcwheel.eu).

Baltic Cities Environmental Bulletin had the thematic editions on “New city cooperation of cities” 1/2012, with the editorial written by the German Minister of Environment Mr Karen Ellen Ellemann and 2/2012 to be published in November 2012 with the focus of “Green Growth” and the editorial written by EU Commissioner on Climate Ms Connie Hedegaard.

In line with the working principles of the UBC, the Commission on Environment has also contributed strongly to Baltic Sea Regional and European policy co-operation processes on cities’ environmental governance and sustainable urban development. The commission is representing the UBC at the CBSS/Baltic 21 and the Baltic Marine Environment Protection Commission (HELCOM).

The implementation of the EU Strategy for the Baltic Sea Region is a key issue for UBC EnvCom. UBC EnvCom has actively been involved in several actions and flagship activities. This strategy goes hand in hand with the new UBC Strategy and UBC Sustainability Action Programme and therefore there has been a need to combine the development of both processes simultaneously.

The activities and services of the UBC Commission on Environment are closely tied to funding possibilities and the secretariat is therefore dependent of external funding programmes.

1. Information of Member cities participation in the meetings, projects and other work of the Commission

UBC member cities have as usually been involved in UBC EnvCom activities in different ways. Via UBC Commission meetings (1-2 annually General open meetings), in projects and directly in consultation or request related activities.

An important goal for the activity of UBC EnvCom has been to reach as many as possible of the UBC member cities in one way or another.

All UBC member cities have been approached via the webpage www.ubc-environment.net, the UBC Good practice database www.ubcwheel.eu and our bi-annual UBC Environmental Bulletins. Below is a summary of the different activities where the UBC member cities have been involved.

The full number of meetings in respective projects are too many to be listed in this report. Part 1.c presents the current projects activities and list of projects a focus on projects activities and what UBC member cities are involved in the projects is in focus.

1.a. UBC Commission meetings:

UBC EnvCom had the main coordination responsibility in the Halmstad Joint UBC Commission meeting 8 – 11 May 2012

Involved/Participating UBC cities:

Halmstad, Vaasa, Gdynia, Örebro, Elblag, Klaipeda, Greifswald, Tampere, Umeå, Turku, Pori, Liepaja, Pärnu, Gdansk, Gävle, Riga, Jelgava, Sundsvall, Aarhus, Kolding, Söderhamn, Malmö, Tartu, Oskarshamn, Panevezys, Rostock,
(26 UBC cities)

Former UBC members: Stockholm, Göteborg

Short description:

The UBC Commissions on Urban Planning, Environment, Energy and Transport were together arranging a seminar 8 – 11th May in Halmstad, Sweden involving social, economic, environmental and architectural aspects of sustainable city development and raises the question on how to create synergies, how to overcome physical and mental barriers in sustainable urban planning. All of these aspects are dealt within UBC Commissions, who now jointly organise this seminar to enable its member cities to exchange on this highly interdisciplinary topic. In Halmstad the seminar two areas of Halmstad, Tullhammarkajen and Larsfrid – Östra stranden, will be studied, discussed, elaborated and proposals for revitalizing of these two areas will be proposed. The seminar will facilitate discussions and practical work on how to create mixed-use-areas, accessibility, challenges arising from traffic, industry and energy, how to approach climate change effects and how to decrease harmful environmental impacts. At the seminar the launch of the Baltic Sea Region Covenant Club was also launched.

1.b. Consultations:

UBC EnvCom has been involved in several consults/development discussions (bilateral or multilateral) with UBC member cities during the year in respect to applications, conferences or search for experts. The new UBC Member, the city of Arendal has for example asked for consultation and assistance in becoming an active UBC member city with ambitious goals.

1.c. UBC Member city involvement in UBC EnvCom projects:

CHAMP project

Involved UBC cities

Turku, Espoo, Helsinki, Tampere, Lahti, Kotka, Porvoo, Växjö, Liepaja (9 cities)

Short description

Altogether 58 cities in four countries (Finland, Italy, Germany and Hungary) were trained during the project to use integrated management in their local climate work. From Finland, 14 municipalities and 1 region took part in the series of Integrated Management trainings (5 workshops in 2010-2011). Of these, 7 were UBC member cities. In the workshops, they presented their cases to other Finnish pilot cities and to European audience in the CHAMP Baltic Sea Region Conference (Oct 2011 in Liepaja) and in the online CHAMP Final Conference (Dec 2011, still available at www.climatechampions.eu). The following UBC member cities took part in the Finnish training series: Turku (Risto Veivo, Mikko Jokinen, Miika Meretoja and Helena Pakkala), Espoo (Sari Soini), Helsinki (Pauliina Jalonen, Päivi Kippo-Eklund, Nea Kielenniva, Markus Lukin and Jari Viinanen), Tampere (Kaisu Anttonen, Katri Laihosalo, Sanna Ovaska) Lahti (Kari Porra, Timo Permanto, Johanna Saarola, Hanna Suhonen, Sanna Vääriskoski-Kaukanen), Kotka (Heli Ojala, Pia Outinen, Eeva Linkola and Annika Aalto-Partanen), Porvoo (Jukka Palmgren, Pirkko Paatero). In addition, the Mayor of Malmö Bo Frank wrote the key note paper to the CHAMP final conference and one case study was produced from Växjö.

Regional (BSR) final conference was organised in Liepaja jointly with the General Assembly of UBC. So, the results were disseminated to several member cities.

A European Partnership for Integrated Sustainability Management to continue similar trainings in EU-27 was launched in June 2011. Since, we have got new members from BSR in Poland (Sendzimir Foundation).

Duration

March 2009 - April 2012

Project partners

UBC Commission on Environment, Lead Partner, ICLEI Europe, Ambiente Italia, Lake Constance Foundation, Coordinamento Agende 21 Locali Italiane, Lake Balaton Development Coordination Agency, Association of Finnish Local and regional Authorities

BaltCICA project – Climate Change: Impacts, Costs and Adaptation in the Baltic Sea Region

Involved UBC cities

Helsinki, Espoo, Tampere, Riga, Klaipeda, Rostock, Greifswald, Wismar, Pärnu, Haapsalu, Bergen (11 cities)

Short description

The BaltCICA Project focused on the most imminent problems that climate change is likely to cause in the Baltic Sea Region. Adaptation to climate change cannot be solved solely locally and in isolated attempts, but calls for cooperation and integrated approaches in the Baltic Sea Region. The BaltCICA project with local and regional partners prepares regions and municipalities to cope with a changing climate. The BaltCICA project uses climate change scenarios to discuss and develop adaptation measures with relevant planning authorities and stakeholders. The project assesses costs and benefits of adaptation in case studies and on a pan-Baltic level. Case studies results support multi-level and transnational approaches in the Baltic Sea Region.

Duration

February 2009 - March 2012

Project partners: Altogether 24 partners

Leadpartner: Geological Survey of Finland, UBC EnvCom, City of Helsinki and Helsinki Metropolitan Region (Helsinki, Espoo), City of Tampere, City of Riga, City of Klaipeda, Cities of Rostock, Greifswald

and Wismar (through Case Study on the State of Mecklenburg-Western Pomerania), Cities of Pärnu, Haapsalu (through Case study on West Estonian Coast), City of Bergen

NetCom project

Involved UBC cities

Guldborgsund, Rakvere, Espoo, Greifswald, Jelgava, Tukums, Gdynia, Örebro, Botkyrka, Halmstad, Oskarshamn, Karlskrona, UBC EnvCom/Turku (13 cities). Indirectly all Member cities of UBC who have signed up for the Covenant of Mayors is part of the target group for NETCOM

Short description:

Networking Covenant of Mayors has the objective of sharing the knowledge and experiences within the Baltic Sea Region on the Covenant of Mayors, and in particular the UBC member cities as the primary target audience.

The activities include, training seminars with site visits, networking sessions for sharing experiences and contacts valuable for the obligations connected to the Covenant of Mayors. So far, a newsletter is sent out every 3 weeks updating on the latest activities in the Baltic Sea Region that can be of interest for cities who has signed up for the Covenant of Mayors. The Network has 11 similar networks spread over Europe and more independent platforms are miming the initiative, which is a good indication of the relevance of the project. (see list of partners

Duration

April 2011 to November 2013

Project partners

Klimabündnis Österreich Gemeinnützige Förderungs- und Beratungs GmbH Austria, Vereniging van Vlaamse Steden en Gemeenten Belgium, Association Municipal Energy Efficiency Network EcoEnergy Bulgaria, City of Turku/ Varsinais-Suomen Energiatoimisto and UBC EnvCom Finland, Klima-Buendnis / Alianza del Clima e.V. (CA), Germany, Alleanza per il Clima Italia onlus Italy, Vereniging Klimaatverbond Nederland Netherlands, Association of Municipalities Polish Network "Energie Cités" Poland, Orase Energie in Romania Romania, ZAUJMOVE ZDRUZENIE MIEST A OBCI PRE TRVALO UDRZATELNU ENERGETICKU EFEKTIVNO Slovakia, Klimatkommunerna (CM), Sweden

NordLead project

Involved UBC cities

Turku/UBC EnvCom (1 city directly. All UBC cities indirectly/see amounts of respondents below)

Other partners: NordRegio (Stockholm) and Associations of Municipalities in Iceland, Norway, Sweden and Finland

Short description

Within the project, a survey on the success factors and support needs of local climate change management was conducted. A publication in the Nordic Council of Ministers TemaNord series will come out in November 2012 to present the study results and recommendations to support municipalities better in their local climate work. The focus countries (amount of responding municipalities and UBC member cities) were:

Finland (154 cities responded altogether/9 UBC member cities participated)

Sweden (125 cities responded altogether /15 UBC member cities participated)

Norway (89 cities responded altogether /1 UBC member cities participated)

Iceland (29 cities responded altogether)

Duration

June 2011 - December 2012.

Project partners

NordRegio (Stockholm), Associations of Local Authorities in Iceland, Norway, Sweden and Finland

Green Citizens project

Involved UBC cities

Umea, Turku, Robertsfors (3 cities)

Short description

The overall objective of GREENCIT is to demonstrate how environmental policy can be interpreted and implemented into concrete citizen-oriented actions, which motivate and help citizens to change their behavior. Three specific settings have been selected. Individual apartments in residential areas; jointly used waste management areas in residential blocks and the intra-city-region mobility system. Within these settings we will set up a number of actions, which aim to demonstrate methods and techniques that inspire and motivate people to change their behavior and become part of a process towards more sustainable city management policy and governance.

UBC will primarily take care of the dissemination and outreach activities, showcasing and linking the regional activities in Sweden to the rest of the Baltic Sea Region as well as involving UBC member cities in the two major conferences in Turku 2011 and Umea 2013.

Duration

01.10.2010 - 31.05.2015

Project partners

UBC EnvCom, Umeå kommun, Bjurholms kommun, Nordmalings kommun, Robertsfors kommun, Vindelns kommun

Vännäs kommun, Umeå Energi, Umeå Bostaden, UPAB, Umeå City Airport, Region Västerbotten, Trafikverket Västerbottens läns landsting

SNOOP project

Shipping-induced NOx and SOx emissions – OPERational monitoring network

Involved UBC cities:

Turku, Helsinki, Kotka, Tallinn (4 cities)

Short description

Lead by the City of Turku, Environmental Protection Office, SNOOP aims to find out how ship exhaust emissions are effecting to marine environment on Baltic Sea area. The project studies also possible influences to human health in port areas in Finland and Estonia. SNOOP focuses on the shipping-induced NOx, SOx, PM, CO and CO2 emissions. The project pursues to establish a long-term follow-up network on ship exhaust emissions, which makes possible to observe development of ship exhaust emissions in the Central Baltic area. The project aims also to tie the information from the network to an effect estimation framework for Helsinki Commission (HELCOM) and port cities participating to the project.

Duration

09/2009–04/2013

Partners

City of Turku / Environmental Protection Office (Lead Partner), Centre for Maritime Studies of University of Turku

Estonian Environmental Research Centre, Finnish Meteorological Institute, HSY Helsinki Region Environmental Services Authority, Kymenlaakso University of Applied Sciences, Tallinn University of Technology / Marine Systems Institute, Metropolia University of Applied Sciences, Åbo Akademi University

BSR InnoShip project

Involved UBC Cities:

Tampere, Mariehamn, Rostock, Pori, Kotka, St Petersburg (6 cities)

Short description

The BSR InnoShip project addresses the joint challenge of the Baltic Sea countries and the key marine stakeholders to cooperate in minimizing ship based air pollution, while aiming at optimizing competitiveness. It promotes efforts to make the Baltic Sea a model region for clean shipping. The project will produce information of sustainable management of the resources and up-to-date knowledge of innovative technical solutions for political decision-makers, authorities, shipping companies and other stakeholders of the marine industry. Raising public awareness and sharing the information efficiently are an important part of the project.

BSR InnoShip closely co-operates with CleanShip project, which is led by an UBC member city, Trelleborg. Both projects participated in the Baltic Development Forum Summit (June 2012, Copenhagen) with a stand in the project village, with numerous contacts to the member cities (approximately 700 participants in total).

“Transport scenarios” –workshop was arranged in Pafos, Cyprus, September 2012 back-to-back with TransBaltic project final conference. Participants from 6 member cities (Karlskrona, Helsinki, Kaliningrad, Gdansk, Trelleborg, Turku) + region Västerbotten, region Blekinge, region Västra Götaland, Sweden.

Duration:

June 2010 – September 2013

Project partners:

The Baltic Institute of Finland, Tampere (lead), UBC EnvCom, Finnish Meteorological Institute, VTT Technical Research Centre of Finland, University of Turku, Centre for Maritime Studies, Kymenlaakso University of Applied Sciences, Klaipeda University, State Enterprise Klaipeda State Seaport Authority, Estonian Environmental Research Centre, Maritime University of Szczecin, Polish Register of Shipping, City of Mariehamn, Baltic Institute of Marketing, Transport and Tourism at the University of Rostock, Latvian Maritime Academy, Norwegian Meteorological Institute Maritime Development Center of Europe, Chalmers University of Technology, Södertörn University, Institute of Shipping Economics and Logistics, ISL

SmartComp project

Involved UBC cities

Riga, Tallinn, Turku (3 cities)

Short description

Led by UBC Commission on Environment in Turku, the SmartComp project aims to support smart, environmentally

sustainable growth and cooperation between maritime clusters, cities and universities in the Central Baltic Region. SmartComp will improve the competitiveness of the maritime cluster through triple helix cooperation in Finland, Estonia and Latvia. The project research team will work to provide an insight into the current state and future scenarios of the Central Baltic Region maritime cluster. Reports concerning both sectoral and company level in all three participating countries will be published, as well as a report comparing the Central Baltic Region to other successful maritime clusters globally. The research conducted during the project will be the basis for all other activities, including consulting individual companies and creating policy recommendations. The project culminates in an international SmartComp Forum in November 2013 in Turku, where the results and achievements of the project shall be presented to a wide range of participants. Main outputs of the project: Extensive research report on the Central Baltic maritime cluster: Current situation and future scenarios. Brand strategy for the Central Baltic maritime cluster. Triple helix contact database: Improving the networking between corporate, public and research sectors

Four free-of-charge consultation days for companies: Encouraging cooperation and networking to find new, smart business models and policy recommendations for supporting maritime clusters of the region

Duration.

1.5.2012–31.12.2013

Project partners

SmartComp project consortium consists of nine partners from Finland, Estonia and Latvia: (Lead partner) Union of the Baltic Cities, Commission on Environment (Kirsi-Marja Lonkila), University of Turku / Centre for Maritime Studies (Ms Sari Nyroos), University of Turku/Pan-European Institute (Prof. Kari Liuhto), Tallinn University of Technology (Prof. Alari Purju), Centrum Balticum Foundation (Ms Annika Forbes-Sarantsin), University of Tallinn (Ms Esta Kaal), Åbo Akademi University (Prof. Kim Wikström), Riga International School of Economics and Business Administration (Prof. Vulfs Kozlinskis and Artis Pabriks, Minister of Defense, Latvia), Latvian Maritime Academy (Mr Maris Katranzis)

Pure project

Involved UBC cities :

Mariehamn, Jurmala, Riga, Lubeck, Gdansk, Szczecin, St. Petersburg (7 cities)

Short description:

PURE (Project on Urban Reduction of Eutrophication) aims at annual reduction of at least 500 tons of phosphorous load to the Baltic Sea. This is achieved by direct investments by selected wastewater treatment plants (WWTP) in Latvia and in Belarus. Objective is that WWTPs reach HELCOM recommendation regarding phosphorous content in the out flow. Moreover the project has identified solutions for improving the sludge management within WWT and a book on good sludge management practices, first of its kind in the Baltic Sea Region, has been published. Further, a new online tool "PURE BenchMark" has been developed, to improve sharing and visualizing information on municipal wastewater treatment and loads to the Baltic Sea.

Duration:

November 2009 - May 2013

Project partners:

In addition to UBC city partners: Brest from Belarus, Helsinki Commission (HELCOM), John Nurminen Foundation from Helsinki, Finland, Kohtla-Järve WWTP from Estonia.

PRESTO project

Involved UBC cities

Turku, Kaunas, Riga, St Petersburg, Kronstadt (5 cities)

Short description

PRESTO combats eutrophication of the Baltic Sea by significantly reducing nutrient load to the Sea. In wastewater treatment plants of Baranovichi, Grodno, Molodechno and Vitebsk (Belarus) technical studies and investments will be performed to identify and implement the most cost-efficient way to reach the HELCOM-recommended level of nutrient removal. PRESTO project will organize three dissemination forums to raise awareness about environmental impacts of wastewaters as well as to increase knowledge on efficient wastewater treatment technologies. The topic for the first forum is environment and it will be organized during the project kick-off. The second forum is targeted to WWT operators and designers and it will have a technical approach. The third forum provides an arena for decision makers and authorities to discuss water management policies. Environmental dissemination session in Grodno, Belarus, April 2012 as parallel session in the Belarusian Lithuania Finnish Economic Forum. Participants from 3 member cities (Turku, Kaunas, Daugavpils) and several others. Technological forum and workshop in St Petersburg in May 2012. Participants from 5

member cities (Turku, Kaunas, Daugavpils, St Petersburg, Kronstadt). Sludge management and laboratory practices workshop in Daugavpils and Kaunas in October 2012. Participants from 4 member cities (Turku, Kaunas, Daugavpils, Riga).

Duration

2011 – 2014

Project partners

UBC EnvCom (lead partner – overall project coordination), John Nurminen Foundation, Berlin Technical University, Germany, Daugavpils water utility, Latvia, Kaunas water utility, Lithuania, Water utilities/cities of Baranovich, Grodno, Molodechno and Vitebsk, Technical Universities of Brest, Minsk and Polotsk,

Associated partners: Belarusian Ministry for Housing and Communal Services, Belarusian design institutes, Finnish Embassy of Lithuania, Vodokanals of Slonim, Polotsk, Brest and St Petersburg, University of Latvia Faculty of Geography and Earth Sciences

NEW BRIDGES – Strengthening of Quality of Life through Improved Management of Urban Rural Interaction

Involved UBC cities

Örebro, Kärđla, Jelgava, Jekabpils, Kaunas, Turku (6 cities)

Short description

The project contributes to making the Baltic Sea Region an attractive and competitive region to live and work in. Our aim in the project is to improve the management of urban-rural interactions. This will be done through introducing the concept of quality of life to the regional planning practices. We will work within three themes that are considered as main pillars that have a major impact on the quality of people's life. The pillars are residential preferences, provision of services and mobility and accessibility.

All of the following partners were actively involved with all the activities in the NEW BRIDGES throughout the whole project duration. Turku: Christina Hovi, Olavi Ahola, Jaana Solasvuo, Heikki Saarento, Mikko Laaksonen. Örebro: Eva Järliden, Eva Norman, Christin Gimberger). Kärđla (Hiiumaa): Annely Veevo, Reet Kokovkin, Aare-Villu Kattel, Piret Sedrik. Kaunas: The official partner in NEW BRIDGES was the Kaunas district municipality but the city of Kaunas was also involved through the activities implemented in the project. Zemgale planning region (Jelgava, Jekabpils): The Zemgale planning region was the official partner in the project but the municipalities within the areas were involved through the activities. The contact persons: Raitis Madzulis (Project planner), Aivars Okmanis, Gints Kaminskis.

NEW BRIDGES Final conference 30th of November – 1st December gathered around 100 participants in Hamburg, Germany. Besides the NEW BRIDGES project partners the following UBC member cities participated: Helsinki (Sakari Saarinen, Tarja Koskinen-Nisula), Gdansk (Jacek Lenzion), Gdynia (Anna Majewska), Kärđla (Ülle Näksi), Kiel (Ernst Hansen, Christine Keller, Wolfgang Schmidt, Adrian Weiß), Narva (Georgi Ignatov, Tarmo Tammiste), Guldborgsund (Begitta Blahaut), Tallin (Jüri Uljas).

Duration

November 2009 – February 2012

Project partners

UBC EnvCom, Nordregio –Nordic Centre for Spatial Development, ECAT-Lithuania –Environmental Centre for Administration and Technology, Regional Council of Southwest Finland (FIN), City of Turku (FIN), Free und Hanseatic city of Hamburg (DE), Region of Lower Silesia (Voivodeship) (PL), Municipality of Kaunas district (LT), Zemgale Planning region (LV), Örebro municipality (SWE), Hiiumaa Co-operation Network (EST)

Eltisplus - promoting and enhancing sustainable urban mobility across Europe

Involved UBC cities

Helsinki, Kotka, Tampere, Pori, Turku, Umeå, Rostock, Liepaja (8 cities)

Short description

The project has two targets: 1). To promote the Eltis portal on Urban Mobility to cities and invite cities to share their experiences on urban mobility in the portal. 2). To raise awareness and promote the concept of Sustainable Urban Mobility plans (SUMP) through providing information, training and opportunities for exchange of experiences between cities. **The target group has been all the cities in the Baltic Sea region including UBC member cities.**

UBC EnvCom organised on the 18th of September a Finnish Technical training event on SUMP in Helsinki. The event was targeted at local and regional authorities in Finland. The following UBC member cities participated with one or more participants: **Helsinki, Kotka, Jyväskylä, Turku, Espoo, Lahti**. UBC EnvCom has involved the following member cities to provide Eltis case study examples about their good practices in sustainable mobility. **Tallinn** (Raimond Tamm), **Umeå** (Emma Ödling), **Helsinki** (Riikka Aaltonen, Mette Granberg), **Tampere** (Krista Willman), **Turku** (Paula Väisänen, Marja Tommola), **Pori** (Timo Widbom), **Rostock** (Ilona Hartmann), **Liepaja** (Dace Liepniece).

Duration

April 2010 – April 2013

Project partners

UBC Env Com, Austrian Mobility Research FGM-AMOR (Lead partner), Rupprecht Consult – Forschung und Beratung GmbH, Mobiel 21, REC / The Regional Center for Central and Eastern Europe, Transport Research Institute; Edinburgh Napier University, Technische Universität Dresden, Trt Transport e Territorio, Institut d'Estudis Territorials, ATU, POLIS, SAPE, TOP CAM, Lund University

Quest – Quality management tool for Urban Energy efficient Sustainable Transport

Involved UBC cities

Gävle, Halmstad + upcoming cities from Estonia, Latvia, Lithuania and Finland (2 + upcoming cities)

Short description

QUEST develops an audit tool that evaluates a city's urban mobility policies. The aim of the QUEST audit is to support cities in their efforts of developing more sustainable urban mobility systems. In total QUEST involves 50 cities all around Europe.

Gävle: Gävle is an official project partner in QUEST and has therefore participated in most of the activities in the project. Gävle has gone through an audit process during 2012 with a methodology developed by the Quest project that aims to evaluate city's urban mobility policies. Gävle is also responsible for organising a workshop for the other QUEST cities. The main contact persons: Helena Werre (Head of traffic dept.), Madelene Hakansson and Ingegerd Krantz.

Halmstad: Quest involves 45 external cities that go through the Quest audit process and Halmstad is one of them. It is not official partner in the project but has been intensively involved with the project activities. The contact person is: Marianne Olovson (The city of Halmstad/Environment strategy)

In the upcoming year the QUEST method will be increasingly promoted to UBC member cities in Finland, Estonia, Latvia, Lithuania.

Duration

May 2011- November 2013

Project partners UBC Env Com, Ligtermoet & partner (LP), TTR- Transport & Travel research, Koucky & partners, CDV, EURIST, ETT, Mobilcity consultancy, University of Maribor, ISIS, EURODITE, Tritel, CITEC, POLIS, City of San Sebastian-Donostia, City of Ghent, City of Padova, City of Gävle and City of Bath

NEAT 2.0. – New Environmental Awareness Tools

Involved UBC cities

Saint Petersburg , Tampere, Kotka, Turku (4 cities)

Short description

The website of the Committee of Nature use, Environment Protection and Ecological Safety of the City of St Petersburg was launched in December 2009 as a new service for citizens. The project NEAT was further developing it with new attractive elements and increasing the use of the portal by adding new levels of communication with citizens.

During the project, the different channels of communication were analyzed and incorporated with the launched website. Use of social media was tested as a new approach of passing information to the targeted audiences.

During the project implementation a competition among students was announced for development of new on-line environmental games about the Baltic Sea. Website games are a new way to St Petersburg to disseminate environmental information to specific target groups. For the school children competition was organized aiming at development of comics to eco-tips, which also were located at the developing web-portals.

Duration

1.09.2010 – 1.12.2011

Project partners

Union of the Baltic Cities, Commission on Environment, Committee of Nature use, Environment Protection and Ecological Safety of the City of St Petersburg, City of Kotka, City of Turku, Valonia, Service Centre of Sustainable Development and Energy for Southwest Finland, Ecofellows Ltd.

Baltic Sea Needs Actions (BSNA) project

Involved UBC cities

Saint Petersburg, Turku (2 cities)

Short description

Based on the experiences of the Work Plans of Environment Cooperation between Finnish Cities and Saint Petersburg 2008-2011 the project focuses on further development of user friendly and motivating interactive education/awareness raising materials on environmental problems of the Baltic Sea by creating/redeveloping support materials for teachers, experts and other stakeholders carrying out environmental education and awareness raising of non-expert audiences. The project is part financed by the Finnish ministry of Environment, part of program for Environmental cooperation between Finnish cities and St Petersburg

Duration

01.07.2012 – 28.02.2013

Project partners

Union of the Baltic Cities, Commission on Environment, Committee of Nature use, Environment Protection and Ecological Safety of the City of St Petersburg, Valonia, Service Centre of Sustainable Development and Energy for Southwest Finland

2. Number and relevance of meetings, events and other activities organized by the Commission.

One general UBC Commission meeting was arranged as the Joint UBC Commission meeting in Halmstad 8 – 11 May 2012. The second planned meeting was postponed due to problems in the planned host city.

The total number of meetings in respective projects are too many to be listed in this report (over 100). In the part 1.c with the focus on project activities and UBC member cities involvement some of the major meetings have been listed.

UBC EnvCom has been involved in co-organization of a series of meetings/conferences or events. The role has often been to assist other organizers with experts, speakers and in arrangement of venues and contact information. During the last two years UBC EnvCom has been involved in assisting Green Growth meetings in Malmö, Gdansk, Riga, Tallinn and Firenze.

Videoconf meetings

ADOBE Connect Pro has been widely used in the office for UBC and project meetings but also tested in training including 5 – 15 cities on the same time. Using ADOBE Connect Pro has saved resources (time and money) and made the activities more efficient. Instructions for the use of ADOBE Connect Pro have been developed in the office. ADOBE Connect Pro has been used more or less every week during the last year. During the period 1.1-16.11.2012 a total of 105h 57min of active ADOBE Connect Pro used has been accumulated

Visits to our office

During the last year UBC EnvCom has been co-organizing together with Centrum Balticum Foundation so called Ambassador Meetings for promotion of our respective work. So far the following meetings of Ambassadors in Finland have taken place (Latvia, Estonia, Lithuania, Poland, Russia). Upcoming Ambassador Meetings are Belarus, Germany, Sweden, Denmark, Norway.

Meetings organized and participated by the Commission are of high relevance for the success of the work done by UBC. Meetings are strengthening the integration between our member cities and other stakeholders and are essential part of the Baltic Sea region cooperation.

3. Financial and human resource contributions by Member Cities for the work and activities of the Commission

The total budget in year 2012 for the UBC EnvCom Secretariat was approximately 1,3 million euro.

- City of Turku contribution to UBC Commission on Environment secretariat hosted in City of Turku (2010 – 2015), financial and technical assistance and backup from City of Turku annually 120.000€

- Annual support from UBC 12.000€ according to the application made in 2011.

Number of staff during 2012 working with the UBC Commission general tasks (not project related)

Partly time work for Commission issues:

Björn Grönholm, Head of Secretariat. Main responsibility for contacts to UBC Executive board, Secretary General and other UBC Commissions.

Esther Kreutz/ Jeppe Mikel Jensen. Network Managers. Responsible for UBC and other contacts Communication strategy and graphical outlook of UBC EnvCom.

Sari Sariola, publications and layout related issues

Kaj-Mikael Lang, web, database and social media tasks

Jussi Välimäki, reporting and budgeting of UBC EnvCom tasks

Human resources totally during 2012, 21 persons, on average 17 in office.

UBC EnvCom use the same external auditor PricewaterCooper Ltd. as the City of Turku (decision by the City of Turku) for audits of projects and activity. Throughout the year the external auditor has executed approximately 30 audits in the office.

4. Outside funding for projects and other activities of the commission

Project	Management	Donor(s)	Budget
			UBC = UBC EnvCom
Champ	Turku (EnvCom)	LIFE +	2,03 M € total 616 751 € (UBC)
BaltCiCa	Finnish Geological Survey	BSR INTERREG IVB	5,27 M € total 129 340 € (UBC)
NetCom	EnergyCities	EACI	1,86 M € total 130 390 € (UBC)
Nordlead	Turku (EnvCom)	NCM	113 000 € total 81 250 € (UBC)
Green Cities	Umeå	Life+	2,67 M € total 77 789 € (UBC)
SNOOP	Turku (EnvCom)	Central Baltic programme IVA	2,9 M € total 379 511 € (UBC)
Innoship	Baltic Sea Institute (Tampere)	BSR INTERREG IVB Finnish Ministry of Environment	3,6 M € total 240 000 € (UBC)
SmartComp	Turku (EnvCom)	Central Baltic programme IVA	1,2 M € total 240 642 € (UBC)
PURE	Turku (EnvCom)	BSR INTERREG IVB Finnish Ministry of Environment	3,2 M € total 533 975 € (UBC)
Presto	Turku (EnvCom)	BSR INTERREG IVB Finnish Ministry of Environment	4,55 M € total 609 104 € (UBC)
New Bridges	Turku (EnvCom)	BSR INTERREG IVB Finnish Ministry of Environment	2,53 M € total 584 172 € (UBC)
Eltis+	Austrian Mobility Research (Amor)	EACI	2,49 M € total 45 930 € (UBC)
Quest	Ligtermoet & Partners	IEE	1,99 M € total 76 320 € (UBC)
NEAT	Turku (EnvCom)	Finnish Ministry of Environment	153 450 € (UBC)
BSNA	Turku (EnvCom)	Finnish Ministry of Environment	62 550 € (UBC)
<p>A total project portfolio budget on 35.618.000€ where UBC EnvCom is involved</p> <p>Current UBC EnvCom Secretariat project portfolio budget in period 2011 – 2013, 3.960.000€ (In addition to this sum above, UBC partner cities have been allocated with own resources).</p>			

Concerning "Activities for respective project", we refer to point 1 of this report.

Staff working in projects during 2012; Björn Grönholm, Jussi Välimäki, Sanna Erkko, Jaana Karppinen, Jeppe Miken Jensen, Esther Kreutz (maternity leave), Sari Sariola, Kaj-Mikael Lang, Pekka Salminen, Agnieszka Ilola, Anne Koivisto, Anna Koreneva, Anne Hovi, Mia Hytti, Kirsi-Marja Lonkila, Anu Keltaniemi, Maija Rusanen, Hannamaria Yliruusi, Olena Zinchuk, Hanna Radzko, Stella Aaltonen.

5. Joint activities with other UBC Commissions and other organizations

In the following, a short presentation on some of the key activities the Environmental Commission have contributed to jointly with both fellow UBC commissions as well as external organisations.

UBC EnvCom is coordinating the UBC Sustainability Action Programme 2010 – 2015 as part of the UBC Strategy 2010 – 2015. As part of this coordination duty the UBC EnvCom is communicating and supporting each other.

UBC Commission meeting was arranged as the Joint UBC Commission meeting in Halmstad 8 – 11 May 2012. The meeting was arranged together with the UBC Commissions of Energy, Environment, Transport and Urban Planning. The intention is to continue these Joint Commission meetings as we have received only positive feedback for these meetings. The cooperation with these UBC Commissions is close and constructive. Ms Dace Liepnice is also the co-chairman of the UBC Energy Commission together with Mr Stefan Windh in Oskarshamn. More intense cooperations with the Chairman of the Urban Planning Commission Niels-Peter Mohr in Århus is ongoing as also with the UBC Commission on Transport, Mr Andreij Bien and Monika Pawlinska in Gdynia.

UBC Environmental Bulletin

The UBC Environmental Bulletin is made together with UBC Commission on Energy and discussions with other UBC Commission take place for the moment. The UBC Environmental Bulletin is published twice a year including relevant projects and initiatives from the UBC member cities in relation to environmental development in the Baltic Sea Region.

Spring edition (28pp): Theme: Co-operation on a city level. Containing: 13 articles from UBC member cities; 5 articles on the commissions project work for the region; Editorial by Head of secretariat, Bjoern Groenholm Special part from the Energy Commission.

Fall edition(28pp): Theme: Green Growth. Containing: 12 articles from UBC member Cities; 5 articles on the commissions project work for the region; Editorial by the EU Commissioner on Climate Action Connie Hedegaard; Special part from the Energy Commission

In the past year new initiatives have been developed, with a specific focus on relevance and actuality to provide the best possible service to our member cities. It is expected that a new format of the Environmental Bulletin will be presented next year (See future activities).

The Turku Process

The UBC EnvCom has been an active partner of the establishment and proceeding of the Turku Process to become a Horizontal Action statues of the EU Strategy of the Baltic Sea Strategy.

Civitas+ application

UBC has been involved in a joint successful CIVITAS+ application together with UBC TransCom/Gdynia . The project CIVITAS Dynamo will start in January 2013.

Sump Training event

UBC EnvCom was the main organizer of the Finnish Technical training event on SUMP (Eltisplus), 18th of September 2012 in Helsinki (over 80 participants). The event was organized in cooperation with the Finnish Ministry of Environment, Finnish Ministry of Transport and Communication and Motiva Ltd.

World Urban Forum

UBC EnvCom has been active in development of the declaration on Mobility and Youth in collaboration with United Nations Human Settlements Programme at the World Urban Forum in Naples, Italy. The declaration is intended to contribute to the new Habitat Agenda III process, which will take place in 2013.

6. Major results and achievements of the Commission's activities and its contribution to the implementation of UBC Strategy 2010-2015

Major results can be summarized as follows;

Good coordination and follow up of the UBC Sustainability Action Programme 2010 – 2015 as a part of the UBC Strategy 2010 – 2015 implementation. Many goals of the Action Programme have already been fulfilled. In beginning of 2013 a follow up survey is planned to take place as an obligation included in the UBC Sustainability Action Programme and UBC Strategy (see point 8 and 9 in this report).

High level of external resource allocation for the development work of member cities via ongoing projects. Altogether **38 UBC cities** have directly been or are currently, involved in UBC EnvCom projects. An elaboration of the projects show that **approximately 41 full time and 48 part time employees** are working and paid via above listed projects. In addition a high number of trainees have been involved in the cooperations as well.

Good competitive and skillful reputation. The UBC EnvCom has a reputation for being skillful in project management. During 2012 the UBC EnvCom staff has been asked to participate in EU funding programme trainings in the Baltic Sea Region to present the UBC, efficient project management and also to develop proposals for upcoming EU Programmes and EU funding periods.

UBC EnvCom has succeeded to be an active **and successful partner in the EUSBSB implementation.** UBC EnvCom is involved in several flagship projects. The Flagship projects PURE (PA1), PRESTO(PA1) and INNOSHIP (PA4) are among the most successful flagship project implementation of the EUSBSR. In the Baltic Sea Region Programme IV B and the BSSSC Conference in Lillestroem the success of the UBC projects was brought up as central achievements of the EUSBSR. Furthermore the UBC EnvCom is a central partner of the Turku Process (also mentioned above) into a Horizontal Action of the EUSBSR. In addition UBC EnvCom has been involved in priority area 5 "To mitigate & adapt to climate change" and priority area 8.4 "Make the Baltic Sea an Eco-efficient region".

The PURE projects and the partners have managed to **remove three HELCOM "hot-spots"** from the HELCOM Hot-spot list (problem list). The processes in the water treatment plant of Kohtlajärve and two plants in Szezcin have been improved and now meet the demands of the HELCOM for phosphorous emissions thanks to the PURE project.

Information and communication results (directly measurable)

Adobe Connect Pro (Virtual meetings)

(1.1-16.11.2012): Total 105h 57min

Bulletin 1/2012: The UBC Environmental Bulletin occurs twice a year

- Paper version distributed appr 650 per number (twice a year)

- E-Mailed: 130 contacts, PDF Downloads: 92

All Ministers of Environment in Baltic Sea countries have participated as editorial writers of the UBC Environmental Bulletin in the period 2006 – 2012. EU Commissioner on Climate Connie Hedegaard is the writer of the UBC Environmental Bulletin 2/2012.

Social media

Blog:	Visits: 303.	Unique Visitors: 171
Facebook:	Page likes: 113	
Twitter:	Followers: 323	
Linkedin:	Followers: 29	
Google+:	Followers: 30	
Web sites 2012 (ubc-environment.net)	Visits: 6,353.	Unique Visitors: 4,187
Database 2012 (ubcwheel.eu)	Visits: 5,101.	Unique Visitors: 4,224

EnvCom communication process

UBC EnvCom has initiated the process analysing the internal communication and missions and vision and the external communication with members cities in order to provide the right content most suitable to our our member cities.

Other major results include:

- Success in receiving externally funded projects
- Broad involvement of UBC member cities
- High number of requests for joining projects / conferences / Different types of communications
- Broad participation in meetings
- Good cooperation with other UBC Commissions & Joint Commission meetings & Bulletins (as described in chapter 5 above)
- Broad international staff in office
- Good testing of new technologies for efficient meeting management
- Publications both in paper and electronical version
- Good cooperation with the Centrum Balticum think tank

7. Future plans for the development of the Commission's work

UBC EnvCom Strategy

In line with the current UBC communication strategy development process (as described above), various activities will be initiated to optimize our service to our member cities as well as strengthen the integrity within the network to attract future project.

This is done in the combination of internal processes, the UBC fourth Baltic Cities Sustainability survey 2013 and the planned study of sustainability & environmental administration in member cities. This will result in the necessary knowledge on: where UBC EnvCom excel, members cities specific needs for support and a status on member cities administration on environmental and sustainable issues. This three steps will show both *how* to support, *who* to support, but also signal future focus areas of UBC EnvCom.

The UBC fourth Baltic Cities Sustainability survey 2013 shall take place. A further development of the survey itself must take place as the earlier surveys have been quite time and resource consuming for the UBC cities. This development work will take place with the old and respected cooperation partner, Åbo Akademi University.

As the EU funding period 2008 – 2014 is approaching an end the need for finding funding is evident in 2013 and 2014. The situation also bring up a need for broadening the project portfolio. For this purpose and with the good reputation of UBC in mind the UBC EnvCom plan to launch a communication among the UBC member cities', funding instruments and other policy related stakeholders such as the EUSBSR, INTERACT etc.

The future change of concept for the UNC Environmental Bulletin is a part of a larger change of the UBC Commission on Environment's general outlook. This will affect: bulletin, the website and the other products produced in-house. The graphical outlook is developed in line with the internal and external communication strategies in order to align the graphical outlook with the messages, products and projects we deliver to support our member cities.

8. Evaluation of results and relevance of the Commissions work by other stakeholders like Member Cities, other Commissions and key partners.

The UBC Baltic Cities Sustainability survey 1998, 2001, 2004, 2009, 2011-2012 and 2013 serve as an important basis for the evaluation of the work by the UBC EnvCom. Therefore the upcoming survey is of most interest and relevance.

Good cooperation between UBC Commissions the implementation of the UBC Sustainability Action Programme 2010 – 2015 as a part of the UBC Strategy 2010 – 2015 implementation. The cooperation between the Commissions in particularly concerning arrangement of meetings has been highly appreciated.

The relevance, interest and importance of the UBC EnvCom coordinated projects or projects where UBC EnvCom is involved can be seen in a high number of successful projects approved by financiers. The UBC EnvCom has participated in 12 project proposals and 10 out of them were approved (period 2011-2012). The UBC EnvCom also have a high number of project applications accepted in as 10 out of 12 applications have been successfully accepted (period 2011-2012). Furthermore the level of funding % has successfully been raised for UBC EnvCom.

Participation in projects / allocation of funding to UBC member cities (funding for personnel). A careful estimation of **65** work year (40 full time and 48 part time employees) with salary paid via UBC EnvCom projects in UBC member cities, in current projects.

An increasing number of invitations to participate in UBC member city, regional or international conferences and events as a speakers and experts.

Broad and efficient publications. High rate of followers and readers of the UBC EnvCom web, UBC Environmental Bulletin, UBC Good Practise Database and UBC Commission meetings.

9. Plan of Action and budget for the coming year, 2013

In the year 2013

The work, coordination and participation of projects will continue. The total UBC EnvCom budget in 2013 will be approximately 1.2 million euro. This sum include all activities of the UBC EnvCom. The projects build the biggest part of the UBC EnvCom budget. The project money is nevertheless tied to exact and project related activities and can therefore not be used for "general issues".

Therefore the support from UBC is of most importance as these resources are crucial if we want to develop our own internal activities. In addition we refer to point 7 of this report, Future plans where we have indicated the further development needs of UBC EnvCom and whole UBC. UBC EnvCom will in addition to projects focus on the following "A. Basic UBC EnvCom activities" and "B. Development activities". For these activities UBC EnvCom wants to get funding from UBC as explained below;

The amount of money that UBC EnvCom claim is totally, 41.500 €

Explanation of activities;

A. Basic activities;	total
26.500€	
- 2 - 4 Bulletins in 2013	7500€
- Web portal, Social media and Database maintenance and development	4000€
- UBC Commission meetings (Tallinn spring 2013 (3000€) UBC XII Annual Conf. Mariehamn autumn 2013 (2000€)	5000€
- UBC fourth Baltic Cities Sustainability survey 2013	10000€

More detailed budget:

<u>Task</u>	<u>Expenses UBC</u>	<u>Expenses external (ÅAU)</u>
Preparation of questionnaire	500	2500 (already secured)
Building web-based survey platform	500	-
Sending question & receiving answers	1600	-
Analyses of answers	3600	2500
Printing (800 copies)	1300	-
Posting and dissemination	1000	-
	<u>7500</u>	<u>5000</u>
	Budget total:	12500€

B. Development activities;	total 15.000€
- Study of sustainability & environmental administration in member cities. New large scale project application together with Universities and research Institutions in Europe. Co-funding for salaries and travel expenses, totally 10 000€.	
- Support service to UBC member cities for upcoming EU funding period 2014 – 2020. Funding for arranging 5 meetings in relation to funding opportunities and needs of external funding in UBC member cities, totally 5000€.	

NOTE:

Attachement is send with the paper version of the report to the General Secretariat in Gdansk.

- Publications (paper version and electronical)

Annexes;

You can find the PURE BOOK from the PURE webpage:

<http://www.purebalticsea.eu/index.php/pure:materials>

Offline and online communication – when to use, what to consider?

http://www.ubc-environment.net/index.php/main:neat_communication

Project site <http://www.localmanagement.eu/index.php/champ:home>

The CHAMP project (2009-2012) aimed at training and supporting local and subregional authorities in implementing an integrated management system for climate change mitigation and adaptation, and to promoting the model European-wide. Altogether, over 20 training workshops for the piloting 58 municipalities and regions were organised. More information on the national trainings is available at the [national training hubs'](#) pages.

The main output of the project is the [Capacity Development Package](#) supporting local authorities in implementing the IMS for climate change mitigation and adaptation. The Capacity Development Package is available in English, German, Hungarian, Italian, Finnish and Swedish.

The CHAMP final conference was organised completely online. If you missed the event, all material including live stream sessions, videos, presentations and articles are available at www.climatechampions.eu!

Read more about the project from our [Layman's report](#), [project newsletters](#) and the [project blog](#). We invite you to find out more about our project and the Integrated Management System for local sustainability on our website!

To promote the IMS model European-wide and to continue the work after project lifetime, a [European Partnership for Integrated Sustainability Management](#) was launched. The search for new partners to join our growing network of organizations interested in offering IMS trainings to local authorities is ongoing.

- [The last CHAMP newsletter is out!](#) Fri 27 Apr 2012 14:56
- [CHAMP Layman's report has been published](#) Wed 25 Apr 2012 10:21

UBC Environment and Sustainable Development Secretariat
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REF: Application for financial support for the UBC Baltic Cities Sustainable Development Survey 2013

To: UBC Executive Board

Background

The UBC EnvCom secretariat has been according to the decision taken in UBC General Conference in Klaipeda Lithuania 2003 and in Kristiansand in 2009, actively been coordinating and working with the implementation of the **cross-sectoral UBC Agenda 21 Action Programme 2003 – 2009 and the UBC Sustainability Action Programme 2010-2015**. The programmes have been implemented under the supervision of the Executive Board and based on contributions of several UBC commissions and networks. The implementation has proceeded extremely well and the programme is reaching a high concrete impact on the ground, at UBC member cities. The UBC Sustainability programme are totally in line with several other Europe-wide programmes and strategies and therefore supports the work within UBC as well as strategies and work with other organisations. The UBC and the UBC Sustainability Programmes are well known and have been model programmes for several other organisations throughout Europe.

The Sustainability progress of UBC cities have earlier been assessed via the Baltic Cities Sustainable Development Survey 2004/2005, 2006/2007 and 2009. The answering rate between 65 – 73% reflects the interest and commitment of UBC members and provides an excellent basis for analysis. Results of this surveys show that a lot of development steps have been taken among the UBC member cities and in our Baltic Sea region is therefore clearly one of the forerunner regions globally. The programme activities and the surveys also strongly support and give valuable data for the European policy development on urban sustainability. These evaluations are extremely valuable as they provide our city network with information on development trends, possible problems and good practises all important for a balanced and dynamic development of the Baltic Sea Region. *The UBC Cities Sustainable Development Surveys are genuine and no other network has a similarly long lasting and broad data collection of the activities and development.*

The UBC Baltic Cities Sustainable Development Survey 2013

The UBC Baltic Cities Sustainable Development Survey 2013, is a mid-term assessment of the UBC Sustainability Action Programme 2010 – 2015 and should be carried out in spring – summer 2013 in order to be presented during the UBC General Conference 1 – 4 October 2013 in Mariehamn.

The surveys have been coordinated by the UBC Commission on Environment secretariat in Turku and the surveys have also usually been carried out together with external partners specialised in research and analytical work (Universities and Polytechnic Schools) in order to give necessary skills and support to the survey work. In this UBC Baltic Cities Sustainable Development Survey 2013, external support will also be available by Åbo Akademi University to secure the survey progress, in a similar way as it was done in 2009.

*For this survey we have not succeeded to get complete funding for the survey. Our cooperation partner Åbo Akademi University have secured co-funding 2500€ and we therefore apply to the UBC Executive Board for financial contribution to carry out this mid-term survey of the cross-sectoral UBC Sustainability Action Programme 2010 - 2015. **UBC Commission on Environment hereby apply for totally 10.000 Euro for preparation and submitting the survey as well as for printing and distributing the survey report.***

Budget for the third Baltic Cities Sustainable Development Survey 2013

Task	Expenses UBC	Expenses external (ÅAU)
Preparation of questionnaire	500	2500 (already secured)
Building web-based survey platform	500	-
Sending question & receiving answers	1600	-
Analyses of answers	3600	2500
Printing (800 copies)	1300	-
Posting and dissemination	1000	-
	<hr/> 7500	<hr/> 5000

Budget total: 12500 €

Turku 15.2. 2013



Mikko Jokinen
Co-chair
UBC Commission on Environment



Björn Grönholm
Head of Secretariat
UBC Commission on Environment

