PROJECT REFERENCES

Reference no 1:	**Project title**: Joint European-Latin American Universities Renewable Energy Project (JELARE)		**Sector: Energy, Post-secondary Education**		
Reference no:	**Project title:**		**Sector (see paragraph 2.2 in Section II):**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**Partners**	**Donors to the Action (name)** [1]	**Dates**
Hamburg University of Applied Sciences (HAW) (Lead manager)	Germany, Latvia, Bolivia, Brasil, Chile, Guatemala	EUR 1,499,996.62	Partners: Rēzeknes Augstskola, Universidad Católica Boliviana, Universidade Do Sul de Santa Catarina, Universidad de Chile, Galileo Universidad	ALFA III EUROPEAID/126 -821/C/ACT/RAL	28/11/2008- 27/11/2011

Object and results of the Action

Aim of JELARE is to foster innovative labour market-oriented educational & research approaches in the field of Renewable Energy at Latin American and European Institutes of Higher Education

The specific objectives are:

- To increase the capacity of HEI staff to modernise their educational and research programmes and activities
- To develop and implement labour market-oriented research and educational approaches in the field of renewable energy
- To strengthen the link of HEI with the labourmarket, business and public sector in the field of renewable energy
- To establish a long-term EU-LA HEI partnership and network

The expected outputs of JELARE are:

- Renewable Energy Labour Market Survey
- Teaching and Research Concepts for Renewable Energy
- Teaching and Research Pilot Modules for Renewable Energy
- University Staff Capacity Building Programme
- Recommendation Report for European and Latin American Universities
- International JELARE Network

[1] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 2:	**Project title**: Small Developing Island Renewable Energy Knowledge and Technology Transfer Network (DIREKT)		**Sector (see paragraph 2.2 in Section II): Energy, Post-secondary Education**		
Reference no:	**Project title:**		**Sector (see paragraph 2.2 in Section II):**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [2]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW) (Lead manager)	Germany, Mauritius, Trinidad&Tobago, Fiji	EUR 1.168479,59	Partners: University of Mauritius, The University of the West Indies, University of the South Pacific	EuropeAid/127860/D/ACT/ACP	28/11/2009-27/11/2012

Object and results of the Action

The overall objectives for the DIREKT project are:

- To strengthen the internal science and technology capacity in the field of applied science of ACP Small Developing Island States
- To foster sustainable co-operations between the science and technology community with ACP and EU and within the ACP SDI's
- to contribute to the transfer of research results of the key topic of renewable energies and hence assisting with the implementation of Technology Transfer Centres

The specific objectives for the DIREKT project are:

- To increase the capacity and to improve the quality of research within the scientific and technology community of ACP Small Developing Island states
- To develop and establish a market-oriented research framework to better capitalise and disseminate research
- To strengthen the link of ACP Small Developing Island states research community with the regional market, business and legislation (policy) in the field of renewable energy
- To establish a long-term EU-ACP Small Developing Island states science and technology network

The expected outputs are:

- Establishment of a transnational EU-ACP Network
- Establishment of SDI Research and Technology Transfer Centres for Renewable Energy
- Transnational recommendation report
- Research and technology transfer strategies
- Pilot Projects running

[2] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 3:	**Project title:** Renewable Energy Networks between Turkish and European Universities (RENET)		**Sector (see section 2.2 of section II): Energy, Post-secondary Education**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[3]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Turkey, Germany, Sweden	**EUR 464,974.52**	Turkey : Bogazici (University (Lead); Akdeniz Üniversitesi; EU : Hamburg University of Applied Sciences (HAW), Hamburg/Germany; KTH Royal Institute of Technology, Stockholm/Sweden;	EU – Central Finance and Contracts Unit Promotion of the Civil Society Dialogue Between EU and Turkey-Universities Grant Scheme	01/06/2008-30/11/2009

Object and results of the action

Overall objective(s): 1) Improve mutual understanding between German, Swedish+Turkish universities in the field of renewable energy, with a focus on waste-to-energy, solar and bio-fuels, in order to promote information + technology transfer (TT), hence assist with implementation of sustainable (energy) policies. 2) Enhance the awareness of academic staff and foster capacity-building among academics in the EU and Turkey about the EU, and about EU policies and frameworks in the field of renewable energy.
Specific objective(s): Through innovation and TT, awareness-raising and capacity-building, the project tackles a perceived need for more interaction+co-operation between universities in the EU+Turkey on renewable energy, fostering the partnership between the two regions in a key area.
Target Group: Academic staff (lecturers, researchers) at institutions of higher education in Germany/Sweden (European Union) and Turkey. This target group consists of important stakeholders and multipliers for the promotion of renewable energies and sustainable development in general.
Expected Results: The target group benefits directly through improvements of management and technical capacity, information on state-of-the-art technology, networking, and knowledge of best practices on EU legislation, policies and other relevant frameworks. Project results can be replicated and extended, promoting the use of renewables and sustainable development
Activities: Understanding political frameworks (WorkPackage1), promotion of information and technology transfer (WP2), strategic capacity building via summer university (WP3), dissemination, networking and awareness raising (WP4) and overall project management (WP5) to ensure project success.

[3] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 4:	**Project title:** Banana Commercilisation and Agricultural Diversification (AGIL)		**Sector (see section 2.2 of section II): Agriculture, Post-secondary Education**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[4]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	St. Lucia	1.127.430,11	HAW Hamburg (lead), SALCC, St. Lucia (partner)	EuropeAid	01/01/2008-31/12/2010
Object and results of the action					
The project consists of a set of initiatives related to human resource development and training in the agriculture sector, in order to assist the on-going efforts towards improving economic growth in St. Lucia. In methodological terms, it intends to do so by means of an assessment of the current state-of-affairs and training and information needs seen in the agricultural sector, combined with a comprehensive awareness-raising, training and consulting programme to raise its productivity. The project is targeted to a number of entrepreneurs (around 200), agribusinesses (around 20, e.g. members of the known and well-recognized St. Lucia Banana Grower's Association [SLBGA] and certified farmers) and around 20 agencies (e.g. the well-known SLBGA with country-wide operations, but also other, smaller certified farmer groups) on St. Lucia. The project also acknowledges the importance of non-traditional agricultural commodities, such as breadfruit, hot pepper, and mangoes, plantains, sweet potatoes and passion fruit as some of the means to achieve not only greater agricultural crop diversification, but also diversification of export crops into food crops. Main Activities are: Surveys, Researches, Training, Consulting, Network Establishment					

[4] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no5:	**Project title:** Study on technology, market and perspectives aspects beyond the growth in the use of renewable energies in Hamburg.		**Sector (see section 2.2 of section II):** **Post-secondary education, Energy**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[5]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Hamburg, Germany	380.000,00	Hamburg	European Social Funds	01/06/2006-30/06/2007
Object and results of the action					
The goal of this project was to measure and analyse the growth in the renewable energy sector in Hamburg, which now faces a fast growth in the market and, as consequence, an increase in demand for qualified personnel. The study analysed the renewable energy sector and – through interviews with companies – the job market, and offers suggestions for companies so they can better take in the local labour. Finally, the project evaluated the possibilities to organize training programs at Hamburg' universities. For this study, all companies in Hamburg that are active in the renewable energy area (500) were interviewed on the following elements: -Current trends in technical and legislative scope -Demand for current and future staff's qualification -Specific education and human resources training -Need for qualified staff					

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Reference no 6:	**Project title:** German BIOGAS CROPS-Network		**Sector (see section 2.2 of section II): Energy**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[6]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Germany	400.000,00	HAW is partner	German Federal Ministry for Education and Research	01/09/2005-31/08/2008
Object and results of the action					
By amendment of the renewable-energy-law, the German Parliament "Bundestag" has decided to increase the share of renewable energy by the year 2020 up to 20 percent of the whole German electricity supply.Crop biomass can make a huge contribution to the production of biogas. Most suitable are special biogas crops. These biomasses can be used for mono-fermentation as well as for co-fermentation together with manure or other organic materials. The project aims to identify and develop scientific basics for the production of biogas from crop materials using mono-fermentation. This shall be done by a well directed systematic analysis of the microbiological conversion of the material under consideration of the influence of pre-treatment and storage of the crop substrates, the formation of intermediates as well as the process control. The tests will be done by using different types of biogas crops, which differ considerably in structure and material composition and which have a high relevance for a practical usage in agricultural biogas plants. The network of participating institutes (10 German Universities and research institutes) develops a systematic basic research along the whole value-added chain: crop (energy accumulator) > energy conversion process > energy source These include amongst other • investigation of scientific basics for the development of a special pre-treatment for different biogas crops, which will be the basis for an efficient energetic utilisation of the biomass during the subsequent biogas process • research for the development of an optimal anaerobic digestion process for the utilisation of biogas plants based on the tests of different process designs • analysis of the microbial systems, their composition, dynamic of the population and formation of intermediates. The results will be used as basis for new control factors for biogas production from crop materials dependent on type of biogas crop, process design and variable process parameters. pment of mathematical design models for process specification, simulation and standardisation with the objectives of stabilisation, regulation and optimisation of the ic digestion process of biogas crops.					

[6] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no7:	**Project title:** INSPIRE-Inspire School Education by Non-formal Learning		**Sector (see section 2.2 of section II):** **Education, Energy**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[7]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Germany, Latvia, Poland	396.206,00	HAW Hamburg (Lead) NaturGut Ophoven e.V. (Germany) Daugavpils University (Latvia), State Higher Vocational School in Racibórz (Poland)	EU (Life Long Learning Programme / Comenius)	01/11/2007-31/10/2009

Object and results of the action

The EU-project "Inspire School Education by Non-formal Learning" (INSPIRE) fosters information and learning on renewable energy and climate change. The vision of the project INSPIRE is to improve the quality and attractiveness of in-service teacher training in an extracurricular context and by using new learning places.In addition to being a concrete project in the field of education for sustainable development, one unique feature of the project INSPIRE is that it reinforces the contribution of lifelong learning to social cohesion, active citizenship, intercultural dialogue, gender equality and personal fulfillment. The project partnership in Germany, Latvia and Poland will develop approaches, methods and materials which may be used in other countries in Europe and beyond. The main objective of the INSPIRE project is to create synergies and links between out-of-school places of learning and curricular learning, thus improving the base of knowledge of European pupils on matters related to education for sustainable development. In addition, it aims to prepare a set of materials which may support teacher training on renewable energy and climate issues, as well as test such materials with a view to a subsequent use in support of information education.
The main target groups of INSPIRE are teacher training institutes, and non-formal education institutions such as museums and environment centres. It is expected that school teachers and education officers working in non-formal education outlets will access the new pedagogical methods developed as part of the project and use the practical information on teaching approaches here developed, which may optimise non-formal learning processes.

[7] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no8:	**Project title:** From theory and plans to eco-efficient and sustainable practices to improve the status of the Baltic Sea (WATERPRAXIS)		**Sector (see section 2.2 of section II):** **Watermanagement**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[8]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Finland, Germany, Denmark, Poland, Lithuania, Sweden, Latvia, Russia	EUR 2.051.900	Partners: 1. Finnish Environment Institute (FIN) 2.North Ostrobothnia Regional Environment Centre (FIN) **3**. National Environment Research Institute,University Aarhus (DK) 4. Municipality of Naestved (DK) 5. Environment Centre Nykoping F (DK) 6. Lodz Technical Universit (PL) 7. Kaunas University of Technology (LT) 8. Charity and Support Fund Sesupe Euroregion, Sakiai Office (LT) 9. Lulea University of Technology (SE) 10. Rezekne Higher Education Institution (LV)	EU – Interreg IV B Baltic Sea Region	01/01/2009-31/12/2011

Object and reults of the action

Overall objective(s):

Overall objective is to improve the status of the Baltic Sea by contributing to the practical implementation of measures chosen in the River Basin Management Plans in BSR. Specific objectives are to:

1) identify and suggest improvements to present water management practices by analysing the contents and planning processes of RBMPs taking into account existing directives and legislation and new challenges such as climate change, upcoming marine policy and changing institutional set-ups
2) establish local action plans for selected areas representing best practices and measures for water protection and public participation
3) prepare investment plans (incl. technical and financing plans) for water protection measures for pilot areas in Poland, Lithuania, Denmark and Finland
4) disseminate information of best practices and measures of water management via publications, seminars and websites
5) offer education for planners of river basin management and environmental economy

The main outcomes are:

*Examples and guidelines of best water management practices for river basin planning on several levels (official river basin districts, single river basins, local investments) based on previous experiences from different countries and lessons learned in pilot studies of the project (published as report and on web); *Practical examples of good investment projects (published as report and on web); *Training courses for planners on general river basin management focusing on environmental economy; *Water protection action plans for pilot areas in some partner regions

*Investment plans (incl. technical and financing plans) for water protection measures in pilot areas in Finland, Denmark, Poland and Lithuania. The investments will be realised during the extension stage to be proposed at the end of the project.

[8] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 9:	**Project title: Creative City Challenge (CCC)**		**Sector (see section 2.2 of section II): Creative industry, innovation**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[9]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences) (lead partner)	Germany, Netherlands, Belgium, Denmark, Scotland, England, Sweden	EUR 4.149.941	Partners: Bremer Investitions-Gesellschaft mbH, Stadt Oldenburg, Kulturetage gGmbH, Gemeente Groningen, Delft University of Technology, Intercommunale Leiedal, HOWEST University College, Hoje-Taastrup Kommune, Dundee College, Newcastle City Council, TILLT	The Interreg IVB North Sea Region Programme	01/09/2009-31/08/2012
Object and results of the action					
Innovation is vital to scientific development and economic growth. However, in order to be sustainable, innovation requires wider and transnational collaboration. The project **Creative City Challenge (CCC)** aims to identify, develop and test a powerful strategy supported by a range of instruments and methods.The project CCC aims are: (1) to foster creativity and innovation in the North Sea Region by unlocking the potential of creativity and innovation in each participant city, represented by business, economic development agencies, education institutions and local government and disseminate the results across the region; (2) to promote transnational activities in creativity and innovation as tools towards territorial integration and the achievements of the goals set in Lisbon and Gothenburg increasing the sustainability and competitiveness of the North Sea region, using e-learning blended learning, studies and benchmarking in order to obtain tangible outputs to be fed Into local abd regional strategies; (3) to contribute, by means of a set of pilot projects linking government, educational institutions and private businesses to a strong programme of transnational interchange of learning, materials and best practice on creativity and innovation. Of special interest will be the emphasis given to support to creativity and innovation in the participant cities.					

[9] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 10:	Project title: CLIMATE Online Conference (regular yearly event since 2008, 2009, 2010, 2011)		Sector (see section 2.2 of section II): Climate Change, Energy		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[10]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW Hamburg (Hamburg University of Applied Sciences)	Worldwide	Approx. 260 000	HAW	2008: Fondation Prince Albert II de Monaco, Daimler AG, KlimaInvest GTZ (German Technical Cooperation),WMO; 2009: Fondation PA II de Monaco, Daimler AG, BSU, KlimaInvest GTZ; 2010: Fondation PA II, Daimler AG, gtz, KfW, BSU	01/01/2008- 31/12/2009 with conference from 1-5 Nov 2008; 01/01/2009 – 31/12/2009 with conference from 2-6 Nov 2009; 01/01/2010 – 31/12/2010 with conference from 1-7 Nov 2010 01/01/2011-31/12/2011 with conference from 7-12 Nov 2011

Object and results of the action

Although the subject matter of climate change is regarded as a critical issue and sound scientific knowledge is needed in order to address the problem in a holistic way, there is a paucity of events focusing on the different aspects of climate change. Therefore, an internet-based (and therefore largely CO_2-neutral) scientific event concerned with approaches, methods, strategies, and other types of action needed in order to cope with the challenge of climate change has been organised: Climate 2008 was held from 3-7 November 2008 online, Climate 2009 was held from 2.-6. November 2009 online, offering a platform for gathering stakeholder, experts from scientific and policy background to discuss climate change and interact on a world wide platform. Interactive features which are extending the actual platform are constantly added.

The key aims of the CLIMATE conferences are:

- to introduce the latest findings on scientific research on climate change, including elements related to its environmental, social, economic and policy aspects;
- to introduce projects and other initiatives being undertaken in both industrialized and developing countries by universities and scientific institutions, government bodies, NGOs and other stakeholders;
- to discuss the problems, barriers, challenges and chances and potentials related to the social, economic and political aspects of climate change worldwide.
- Last but not least, the CLIMATE series if online conferences will encourage more networking and information exchange among participants and hopefully catalyze new cooperation initiatives and possibly new projects.

Online Conference on Climate Change participants / delegates: Researchers and Academics performing research and studies on aspects related to climate change; Companies; Social institutions concerned with climate change ; NGOs and Associations; Government organizations such as Environment Ministries and Planning Committees; Banks, insurance companies, energy providers and other stakeholders whose activities are influenced by climate change.

[10] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Ref no 11 :	**Project title :** North Sea Skills Integration and New Technologies (SKINT)		**Sector (see section 2.2 of section II):** **Climate Change, Innovation, Water Management**		
Name of organisation	**Location of the Action**	**Cost of the action (EUR)**	**Lead manager or partner**	**Donors to the action (name)[11]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW)	The Netherlands, Germany, Great Britain, Norway	**4,049,381**	Hoogheemraadschap (NL) (Lead), Delft University of Technology (NL) Universität Sheffield (GB) Stadt Bradford (GB) Universität Abertay Dundee (GB) Nordik Institut für Wasserforschung (N) HAW Hamburg (GER)	INTERREG IV B NorthSea Programme	01/10/2008- 31/10/2012

Object and results of the action

Overall objective(s): Coupled with climate change and urbanization, the European Water Framework Directive (WFD) and the Flood Directive (FD) set clear goals about improving water quality and quantity. The Interreg IV B project SKINT aims to facilitate the implementation of sustainable urban land and water management by improving the integration of water management (ground+surface water) in spatial planning processes.
Specific objective(s): SKINT will improve the implementation of the WFD and FD to contribute to the improvement of water quality in urban areas and, inter alia, the reduction of flood risk.
Target Group: Spatial planners, land managers, water managers, experts of tomorrow (students)
Expected Results: xxxxxxxxxxx

Transnational analysis on communication between stakeholders in multidisciplinary urban land and water management processes; and on how to integrate water in urban land use projects;
Permanent web-portal for urban water and land use in Europe
Study to provide professionals with tools for decision-makers to choose sustainable solutions
Web-based and face-to-face training programme for future water and urban land use professionals

Reference no 12:	**Project title: AUS-EUphe Australian-European Public Health Education**		**Industrialised Countries Instrument Education Cooperation Programme (ICIECP) – ICI Joint Mobility Project**		
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[12]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Germany, Denmark, Poland, Lithuania	**413.800,-**	Hamburg University of Applied Sciences (HAW)- Germany; Kauno Medicinos Universitetas (KUM)- Lithuania; Uniwersytet Jagiellonski (JU – Poland; Syddansk Universitet (SDU) - Denmark;	European Commission – DG Education and Culture Cooperation and International programmes	01/10/2008-30/09/2011
Object and results of the action					
Objective of the Project: To strengthen the cultural and educational knowledge base and to enhance mutual understanding in the field of international education and practice in public health. Specific objective: To contribute to the advancement of international relations among faculties of public health by developing multicultural applicable teaching and learning approaches for tackling global health issues. The aim of this mobility project is to offer exchange of students and faculty members between the European and the Australian continent as the public health practice is in urgent need for development in international knowledge, competence, skills and leadership. Target Group: Faculty members and students of all European Universities. Expected Outcomes: 80 students will be trained in a multicultural atmosphere with improved understanding of global health challenges and therefore will have increased qualifications and competencies; Increased knowledge and international experience of 32 lecturers and administrative staff; Development of three modules with topics of international health, with particular focus on reducing inequalities in health and health care; Advanced curriculum provision through integration of topics of international health into educational and training programmes of all universities.					

[12] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 13:	**Project title**: Promoting Renewable Electricity Generation in South America (REGSA)		**Sector (see paragraph 2.2 in Section II): Energy, (Innovation)**		
Reference no:	**Project title:**		**Sector (see paragraph 2.2 in Section II):**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [13]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW) (Lead manager)	Bolivia, Brazil, Chile	EUR 1.835.050,00	Partners: Universidad Católica Boliviana, Universidade do Sul de Santa Catarina, Universidad de Chile	EUROPEAID/128320/C/ ACT/Multi	13/10/2010- 12/10/2014

Object and results of the Action

The aims of REGSA is to contribute to the **increasing use of renewable energy** for electrical power generation in South American countries and to **establish new electricity grids** as well as to **integrate renewable energy** in existing electricity grids which is of great relevance for the socioeconomic development in South American countries

The specific objectives are:

- To identify and disseminate (technical and socio-economic) potential of RE power generation in target countries
- To raise the awareness and support the regional dialogue of regional public and private key actors and decision-makers about renewable electricity generation in target countries
- To support selected pilot communities/regions in the development and implementation of viable renewable electricity generation projects

The expected outputs of REGSA are:

- **Comparative Analysis** of political and institutional **framework** and RE **infrastructure**
- Best-practice cases for **integration of RE** in electricity grids in SA
- **Renewable Electricity Generation Scenarios**
- **Renewable Electrical Energy Communities**
- **Information events, Round tables**
- **Capacity Building** Programme
- **Awareness raising** events (local, regional, international)

[13] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 14:	**Project title**: RECO Baltic 21 Tech (RB21T)		**Sector (see paragraph 2.2 in Section II): Waste management**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name) [14]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW) (Lead manager)	Germany, Sweden, Lithuania, Belarus, Latvia, Spain, Poland, Estonia	EUR 2.786.407,00	Partners: IVL Swedish Environmental Research Institute, Sustainable Business Hub, Kaunas University of Technology, Siauliai Region Waste Management Centre, Alytus Region Waste Management Centre, Belarussian Association of Environmental Management, Waste Management Association of Latvia, North Vidzeme Waste Management Organization Ltd., Ogre Municipality, Consell Comarcal Del Maresme, Universita of Gdansk, Estonian Regional and Local Development Agency, Estonian Institute for Sustainable Development	INTERREG IV B Baltic Sea Region Programme 2007-2013	01/10/2010-30/09/2013

Object and results of the Action

Focus and aim

- RB21T is a project aimed addressing the current problems seen in the field of waste management in the Baltic Sea Region, by fostering municipalities and regions to handle waste matters, meet the relevant EU-directives and prepare for investments in the BSR.
- RB21T will directly target and assist 30 decision makers on local/regional and national level about to realize waste management investments, using the latest research and Best Available Techniques (BAT).
- RB21T aims to play a substantial role in strengthening the Baltic Sea identity and to contribute to an integrated and competitive region, meeting both contemporary and future challenges.

Expected results

- The target for RB21T is to generate investments of 20 MEURO. The investments will make the BSR region more competitive by catalysing waste management investments and attracting more investors and funds to the region.
- Together with its planned Joint Strategy, including the Investment Model and accompanied by a waste management institution, will create a good basis for increasing the competitiveness of the region but also for boosting the transferability of the results on all levels within the BSR, but also throughout Europe.
- RB21T will establish a transnational and cross-sectorial platform for expertise exchange in waste management, which will increase the competitiveness of the region.

[14] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 15:	**Project title**: Network of Climate Change Technology Transfer Centres in Europe and Latin America (CELA)		**Sector (see paragraph 2.2 in Section II):**		
Reference no:			**Sector (see paragraph 2.2 in Section II):**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [15]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW) (Lead partner)	Bolivia, Guatemala, Nicaragua, Peru, Estonia	EUR 1,561,391.08	Partners: Universidad Católica Boliviana/Bolivia; Universidad Galileo/Guatemala; Association of Commercial Sciences University/Nicaragua; POntificia Universidad Catolica de Peru/Peru; Tallinn University of Technology/Estonia	EUROPEAID/129-877/C/ACT/RAL-1, ALFA III, Segunda Fase	16/12/2010-15/12/2013

Object and results of the Action

The **overall objectives** of the CELA project are:

- Improve the quality of research and technology transfer of LA universities
- Strengthen the role of LA HEI in the sustainable socioeconomic development
- Foster sustainable research and technology transfer cooperations between HEI in LA and EU

The **specific objectives** of the CELA project are:

- To increase the capacity and to improve the quality of research within the scientific and technology community in LA and EU
- To develop and establish a market-oriented research framework to better capitalise and disseminate research on climate change
- To strengthen the link of EU+LA research communities with the regional market, business and legislation (policy) in the field of climate change
- To develop and establish a market-oriented EU- LA network of Climate Change Technology Transfer Centres

Expected results:

Transnational report on market-oriented research and technology transfer , i.e. research and technology transfer strategies, Climate Change Research and Technology Transfer Centres and Network created, technology Transfer Pilot Projects implemented, regional + international capacity building seminars and study visits conducted. Broad international Dissemination of project results.

[15] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 16:	**Project title**: Adapting agriculture to climate change: Developing promising strategies using analogue locations in Eastern and Southern Africa		**Sector (see paragraph 2.2 in Section II):** **311 Agriculture,** **41 General Environment Protection**		
Reference no:			**Sector (see paragraph 2.2 in Section II):**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [16]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW)	Kenya, Zimbabwe	EUR 1,200,000	Partners: ICRISAT International Crop Research Institute for the Semi-Arid Tropics (Lead partner), Kenya Meteorological Department (KMD), Kenya Agricultural Research Institute (KARI), Zimbabwe Meteorological Department (ZMD), Midlands State University (MSU), Zimbabwe	German Federal Ministry for Economic Cooperation and Development (BMZ)	01/01/2011-31/12/2013

Object and results of the Action

The **overall objectives** of the this project are:
The project will test potential agricultural adaptation strategies for rain-fed agriculture in the semi-arid and sub-humid tropics. This will be achieved by using a combination of model-based ex-ante analyses and iterative field-based research on station and in farmers' fields. All in all, the project covers eight study locations: Four crop productions zones, hereof two in Kenya and two in Zimbabwe, will be chosen. Then corresponding spatial "analogue locations" for each production zone will be identified, providing a total of eight locations. Special attention will be paid to adaptation to temperature increases; altitudinal effects on mean air temperature will facilitate this.

The **specific objectives** are:

- 4 important crop growing areas in Kenya and Zimbabwe identified and fully characterized – areas comprise cool/dry, cool/wet, warm/dry and warm/wet growing conditions
- Crop-growth simulation models and participatory surveys with farmers to identify and quantify the implications of current and future (climate change) production risk at the study locations
- Potential crop, soil and water management and crop genotype adaptation options evaluated and adaptation strategies formulated for the target locations
- Strengthened institutional capacity (both in understanding climate change impacts and developing effective adaptation responses) through wide promotion and dissemination of project results as well as hands-on capacity-building

Expected results:
This project addresses in particular adaptation to progressive climate change with special emphasis on increasing temperature.

[16] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 17:	**Project title**: North Sea Region Electric Mobility Network (E-Mobility NSR)		**Sector (see paragraph 2.2 in Section II):** **311 Agriculture,** **41 General Environment Protection**		
Reference no:			**Sector (see paragraph 2.2 in Section II):**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [17]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Germany, Denmark, Sweden, The Netherlands, United Kingdom, Norway, Belgium	EUR 6,693,532	Partners: FDT – Association of Danish Transport and Logistics Centres (DK); Lindholmen Science Park (SE); Delft University of Technology (NL); WFB Wirtschaftsförderung Bremen GmbH (DE); Høje-Taastrup Municipality (DK); Northumbria University (UK); Province of North Holland (NL); Cities Institute, London Metropolitan University (UK); Zero Emission Resource Organisation - ZERO (NO); Flanders Region represented by TransEnergy (BE)	INTERREG IV B North Sea Region Programme	01/10/2011-30/09/2014

Object and results of the Action

The **overall objectives** of the this project are:
The main aim of the project is to increase accessibility by fostering e-mobility and stimulating the use of public and private electric car transport, as well as freight, across the NSR region.

The **specific objectives** are:

- To provide state of the art information which may help policy development in e-mobility in the NSR
- To provide insight on gaps and needs in respect of infra-structure, logistics, and preliminary standards for multi charging techniques
- To develop a NSR smart grid concept with charging points, hence increasing accessibility in the region

To provide a long-term basis upon which regional and local governments as well as other relevant stakeholders in the NSR may engage on e-mobility, among others by creating physical or virtual e-mobility information centres in each participating region or city

Expected results: To develop the conditions to steer current and future developments, connect the various networks to form a true transnational "backbone" or "grid" within the NSR for e-mobility and increase accessibility in the region.

[17] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 18:	**Project title**: Innovation Competencies Development (INCODE)		**Sector (see paragraph 2.2 in Section II):** **311 Agriculture,** **41 General Environment Protection**		
Reference no:			**Sector (see paragraph 2.2 in Section II):**		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [18]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Germany, Finland, Belgium, Spain	EUR 397,446	Partners: Turku University of Applied Sciences (FI); Karel Grote Hogeschool (BE); Universidad Politecnica de Valencia (E)	EU (Life Long Learning Programme / Erasmus)	01/10/2011-30/11/2013

Object and results of the Action

The **overall objectives** of the this project are:
One of the important tasks in the changing world and requirements is to make it possible to monitor the change and present methods used in the universities so that present students are educated to be future innovative professionals. In their future professions they have to able to participate in the development of working life processes in an innovation enhancing way.

The **specific objectives** are:

- To design and validate a measuring tool: The Innovation Competencies Barometer (ICB)
  The Innovation Competences Barometer (ICB) is needed to measure usefulness of new R&D based learning methods. The results gained by the ICB will help education policy makers and directors in Universities in forthcoming learning methodology related decision-making situations.
- To produce research-based knowledge on the achievement of innovation competencies generated by new experimental R&D based learning methods

Expected results: The key question is to define the innovation competencies and a measuring tool, the ICB, for assessing them. Also the best methods which should be used when aiming to the development of these competencies should be found. The REHA method, investigated in the INCODE project, will be one value adding method when moving towards the European Union aims.

[18] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 19:	**Project title**: Digital Agenda for the Northsea (DANS-cluster)				
			Sector (see paragraph 2.2 in Section II):		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [19]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Germany, Sweden, Belgium, United Kingdom, The Netherlands	EUR 750.000	Partners: Intercommunale Leiedal (BE), County Administrative Board of Värmland (S), Porism Ltd. (U.K), Hanze University Groningen (NL), Breitband des Bundes/Agency of Technology and Networking (AteneKOM) (D)	INTERREG IV B North Sea Region Programme	01/10/2011-30/03/2013

Object and results of the Action

The **overall objectives** of the this project are:
The fields of creativity, innovation, digital services and e-government are central to the economic development of the Europeran Union as well to its future policy until 2020. The Digital Agenda for Europe in particular is a key element of European policy which is of strategic value to the North Sea Region as well, due to the fact that services related to the Digital Agenda continuesly generate employment, fight social exclusion and contribute to economic development and territorial cohesion. The DANS cluster project, which connects the three INTERREG projects "Ctrative City Challenge", "E-CLIC" and "Smart Cities" aims to contribute to the development of the Digital Agenda in the North Sea Region

The **specific objectives** are:

- To establish a cluster on creativity and innovative products and services
- To foster transnational creative and innovative technology-based services for the citizens of the NSR in an integrated manner
- To develop a jopint Nxorth Sea Region strategy on creative and innovative technology-based services and products

Expected results: The expected results are the wider promotion of the results of the above mentioned three INTERREG IVB NSR projects, to further develop the so-called Citadel initiative as input to the informal EU e-Government Summit, to promote the Smart Cities ESD toolkit – a joint service list for EU services, the development of a good practice guide with selected results from the three projects and the development of a DANS model for the implementation of the Digital Agenda in the North Sea Region.

[19] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 20:	**Project title**: Monitoring and Management of Flowing Rainwater in Baltic Sea Catchment Areas (BalticFlows)				
			Sector (see paragraph 2.2 in Section II):		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [20]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Finland, Estonia, Hamburg, Latvia, Sweden	EUR 2,947,617.60	**Finland**: University of Turku (UTU), Turku University of Applied Sciences (TUAS); **Estonia**: Cleantech Estonia NPO; **Hamburg**: Hamburg University of Applied Sciences; **Latvia**: Latvian Environmental Fund (LVIF), Riga Planning Region (RPR); **Sweden**: Uppsala University (UU), Uppsala County Administrative Board (UCAB)	FP7-Regions-2012-2013-1	01/10/2013 to 30/09/2016

Object and results of the Action

The overall objectives of this project are:

-To lay the foundation for development of new capacities and policies for effectively monitoring and managing the quality and quantities of rainwater moving from one place to the next

-To enhance research and RTD capacities in participating regions in the fields of urban stormwater management monitoring and management to boost economic growth via evolution of regional research-driven clusters into regions of smart specialisation.

The specific objectives are:

- To gain further insight into the opportunities and challenges of water monitoring methods, techniques and technologies, resulting in a European research agenda for fostering new easy-to access water quality monitoring solutions for non-expert use.
- To increase understanding on levaraging citizen activity in grass-root level water quality monitoring
- To boost competitivess on best practices and in the monitoring and management of urban stormwater in Baltic Sea catchment areas
- To create a network of five research-driven European clusters, working together with an international support network, and evolving towards smart specialisation regions in the fields of rainwater monitoring and management
- To develop a worl-class research and sustainable profitable business in the rainwater monitoring and management sector in the research-driven clusters, via exporting expertise and solutions to European and international regions in need of effective methods and tools for effective water management

Expected Results: To bring forth the technological and economic vision that will enable European regions to achieve world-class excellence and sustainable competitive edge in rainwater monitoring and management. New devleopment of sustainable business and innovation in the field of urban water management and monitoring, RTD strategies for smart growth via smart specialisatin of water management technologies, methods, and strategies.

[20] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 21:	**Project title**: AFRHINET: An ACP-EU Technology-Transfer Network on Rainwater Harvesting Irrigation Management for Sustainable Dryland Agriculture, Food Security and Poverty Alleviation in sub-Saharan Africa				
			Sector (see paragraph 2.2 in Section II):		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [21]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Ethiopia, Kenya, Mozambique, Zimbabwe and Germany	EUR 1,176,433.44	**Ethiopia**: Addis Ababa University and Water-Aid Ethiopia; **Kenya**: University of Nairobi and World Agroforestry Centre (ICRAF); **Mozambique**: Eduardo Mondlane University National Institute for Disasters Management (INGC) and the National Directorate of Water (DNA); **Zimbabwe**: University of Zimbabwe and International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)	ACP (S&T II)	01/03/2014-28/02/2017

Object and results of the Action

The overall objectives of this project are:
-To foster endogenous sustainable and self-replicable scientific and technological (S&T) capacities in the field of rainwater harvesting irrigation (RWHI) management and sustainable dryland agriculture; to boost the transfer and the adoption of research results by means of the implementation of Research and Technology-Transfer Activities and Demonstration Actions of innovative RWHI management; to foster efficient cooperation and networking; to contribute to improved food and water security, poverty alleviation, socio-economic and climate resilience, and environmental sustainability

The specific objectives are:
(1) to foster S&T capacities on RWHI, the quality of research and the capacity to attract funding of S&T community
(2) to set-up a market-oriented research and technology-transfer framework to better capitalise and disseminate innovative research results
(3) to develop the capacity of the S&T community and local communities to practically implement adequate RWHI management
(4) to strengthen the link of S&T communities with the regional market, businesses/micro-enterprises, non-governmental actors, policy-making and local communities
(5) to establish a long-term ACP-EU network on RWHI
(6) to disseminate, transfer and replicate the project activities and outcomes, and the ACP-EU S&T/EuropeAid programmes, beyond the project partnership

Expected results: The main outputs of the project are the set-up of policy recommendations to assist partner countries to implement RWHI; the development of S&T skills and local capacity to implement RWHI; the set-up of ACP-EU Research and Technology-Transfer Centres on RWHI; demonstration of innovative RWHI and technology-transfer pilot projects, and a specialist ACP-EU Network on RWHI and sustainable dryland agriculture.

[21] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 22:	**Project title**: Capacity Enhancement to Integrate Ecosystem-based Adaptation into Sub-national Development Planning in Lao PDR (CEEbA)				
			Sector (see paragraph 2.2 in Section II):		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [22]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Laos and Germany	EUR 1,845,328,12	**Laos**: International Union for the Conservation of Nature (IUCN)	EuropeAid / 132-657/L/ACT/LA	17/03/2014-16/03/2017 (terminated by EU on 30 Nov 2015)

Object and results of the Action

The overall objectives of this project are:

- The project "Capacity enhancement to integrate ecosystem-based adaptation into sub-national development planning in Laos PDR (CEEbA)" intends to strengthen the climate change related institutional, policy and regulatory framework in Laos, by building the capacities of local administrative institutions to integrate climate change and climate risks into development planning using an ecosystem-based approach at province and district level.

The specific objectives are:

1) identify the knowledge gaps and improve the technical capacity on climate resilient development planning;
2) EbA-type CCA related capacity assessments and building at sub-national level,
3) Contribution to mainstreaming of CC into the most important related sectors which are agriculture, forestry, water and food and nutrition security.

Expected results:

1) Institutional capacities of at least 4 ministries, in at least 9 districts of 3 provinces have strengthened capacities to undertake vulnerability assessments, identify EbA-type options, prioritize and implement pilot initiatives and develop cost efficient and effective plans for future action;
2) CCA measures, especially EbA, are included in 9 district plans and 3 provincial strategies in their report and budgets, as well as policy recommendations in 4 NAPA sectors;
3) Formal and informal methods for networking, sharing information, and learning are available to capacitate relevant stakeholders, including two national capacity building events, 8 regional capacity building seminars, 6 field excursions, 8 networking events, 5 international/regional study visits, and CCA database, during the project implementation period.

[22] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

CEEbA

Reference no 23:	**Project title**: Planning for Energy Efficient Cities (PLEEC)				
			Sector (see paragraph 2.2 in Section II):		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [23]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Sweden, Finland, Estonia, Denmark, Netherlands, Germany, Austria, Spain, France, United Kingdom, Lithuania, Slovenia, Bulgaria	EUR 4,490,717.96	**Lead:** Eskilstuna Energy and Environment (SE) Partners: Eskilstuna City (SE), Mälardalen University (SE), Turku City (FI), Turku University of Applied Sciences (FI), Tartu City (EE), Stoke-on-Trent City (UK), Hamburg University of Applied Sciences (DE), Vienna University of Technology (AT), University of Copenhagen (DK), Delft University of Technology (NL), University of Rousse (BG), LMS IMAGINE (FR), Smart Technologies Association SMARTTA (LT), Santiago de Compostela City (ES), Santiago de Compostela University (ES), Jyväskylä City (FI), University of Ljubljana (SI)	FP7	01/04/2013-31/03/2016

Object and results of the Action

The PLEEC project uses an integrative approach to achieve the sustainable, energy–efficient, smart city. By coordinating strategies and combining Best Practices, PLEEC will develop a general model for energy efficiency and sustainable city planning. By connecting scientific excellence and innovative enterprises in the energy sector with ambitious and well-organized cities, the project aims to reduce energy use in Europe in the near future and will therefore be an important tool contributing to the EU's 20-20-20 targets.

The main objectives of the project are:

- To assess the energy-saving solutions and potentials to be integrated in a comprehensive city planning
- To demonstrate how integrative planning is more efficient than separate measures
- To develop a synergized model for energy efficiency planning by considering the energy efficiency potential of city key aspects
- To create Action Plans to be presented to decision-makers in the cities
- To identify the future research agenda on the issue of energy-smart cities

[23] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 24:	**Project title**: LifeLong Learning for Energy security, access and efficiency in African and Pacific SIDS (L³EAP)				
			Sector (see paragraph 2.2 in Section II):		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name)** [24]	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Germany, Mauritius, Fiji	583,274.12	Lead: Hamburg University of Applied Sciences (HAW) Partners: University of Mauritius, The University of the South Pacific	EuropeAid / 132-657/L/ACT/ LA	11/10/2013-10/10/2016

Object and results of the Action

The overall objectives for the L³EAP project are:

- Strengthen the capacity of ACP HEI at academic level to provide high level skills for the energy labour market in order to foster energy security and enhance energy efficiency and the use of renewable energy

The specific objectives for the L³EAP project are:

- to develop labour market oriented lifelong learning concepts for the education of staff of public and private sector to meet the challenges of regional and national energy supply
- to increase the academic and management capacity of university staff to modernise their educational and research programmes and activities so as to build capacity to foster energy security and enhance energy efficiency and the use of renewable energy
- to establish a long-term partnership and network between European and ACP universities in an area of strategic technological importance and economic value

The expected outputs are:

- Improved understanding of the LLL needs of the energy sector
- LLL Study programme in high-level skills required by labour market developed
- Joint Pilot study programme in high-level skills required by labour market delivered
- Improved capacity of university staff to implement LLL for the energy sector
- Increased international transfer of knowledge and networking with local and international stakeholders

[24] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 25:	**Project title**: SSL-erate – Accelerate SSL Innovation for Europe				
			Sector (see paragraph 2.2 in Section II):		
Name of organisation	**Location of the Action**	**Cost of the Action (EUR)**	**lead manager or partner**	**Donors to the Action (name) [25]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
Hamburg University of Applied Sciences (HAW Hamburg)	Netherlands, Sweden, Belgium, Spain, France, Lithuania, Italy, Finland, United Kingdom, Switzerland, Germany, Denmark, Norway	EUR 4,639,731.00	Lead manager: Nederlanse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek (TNO) Partners: Lunds Universitet (LU), LightingEurope AISBL (LE), Fundación ESADE (ESADE), Association LUCI Lighting Urban Community International (LUCI), Cluster Lumiere Association (CL), Luce in Veneto Scarl (LiV), Katholieke Universiteit Leuven (KU Leuven), Cluster D'il·Luminacio De Catalunya – Cicat (CICAT), Danmarks Tekniske Universitet (DTU), Stichting Syntens – Innovatienetwerk Voor Ondernemers(SYNTENS), University College London (UCL), Vilniaus Universitetas (VU), Universitaet Basel (UNIBAS/UPK), Aalto-Korkeakoulusaatio (AALTO), Rijksuniversiteit Groningen (RuG), Malmo Stad (Malmö), Comune Di Bassano Del Grappa (Bassano), Hochschule Fuer Angewandte Wissenschaften (HAW), Stavanger commune (Stavanger), Gemeente Eindhoven (Eindhoven), The Chancellor – Masters and Scholars of the University of Oxford (UOXF), Revo Media Partners Limited (RMP), Ludwig-Maximilians-Universitaet Muenchen (LMU)	FP7	01/11/2013-31/10/2016

Object and results of the Action

The overall objectives of the SSL-erate project are:

- Accelerate the uptake of high-quality SSL technology in Europe by means of open innovation with and by bringing validated information to all relevant stakeholders

The specific objectives for the SSL-erate project are:

- Resolve the specific challenges of the Lighting industry: poor SSL quality, lack of information and awareness among citizens
- Enable lighting solutions with a societal and environmental sustainability perspective

The expected outputs are:

- Web-based SSL-erate Innovation platform
- Accelerate innovation process by applying validated insights on 'green business development' and 'lighting effects on health & well-being' in SSL business experiments
- Leading Europe to a global leadership in SSL systems and solutions

[25] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 26:	**Project title:** German-Polish Energy Efficiency Project (GPEE)				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[26]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Germany Poland	299.728,80 (partner budgets unknown)	HAW Hamburg (lead), Envidatec GmbH, Germany (partner) Technical University of Lodz (TUL), Poland (partner) Sto-ispo sp. z o.o., Poland (partner)	Federal Ministry of Edication and Research, Germany and Ministry of Science and Higher Education, Poland	01/03/2013-28/02/2016

Object and results of the action

The central focus of the project is to develop climate protection technologies to increase energy efficiency, by means of fostering energy efficiency in buildings and through the development of innovative approaches to facade technology, to achieve the goal of "zero-emission" buildings. In order to ensure consistency and based on the principle of equal partnership, the project objectives to be achieved in Poland and in Germany are the same. These are as follows:

- to identify current and future technological requirements for energy efficiency in buildings, so as to reduce CO2 emissions and make them more sustainable;
- to measure current deficits in energy efficiency in both countries and to develop technologically based integrated renewable energy systems, with a view to maximise the use of daylight and other factors contributing to more climate-friendly buildings;
- to develop a set of criteria for optimisation (energy and functionality) based on building performance simulations and to suggest possible architectural solutions, including the construction of optimized, external wall systems for buildings

The activities and expected results are :

- Identification of current and future technological requirements in energy efficiency in buildings, including forecasts for future market development (market recognition)
- Survey of energy efficiency and reductions of CO2 emissions in a sample of buildings in Germany and in Poland
- Double criterion optimisation of integrated Renewable Energy Systems (RES) and daylight utilization
- Technology, technical solution and construction of optimized, external wall system
- Practical application and long-life testing

[26] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 27:	Project title: Hamburg Open Online University (HOOU), various online courses				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[27]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	WWW	80,000 EUR	HAW Hamburg	Hamburg Open Online University	09/2015 to 03/2017 and 01/04/2017 to 31/03/2018
Object and results of the action					
As two related, consecutive projects in the frame of the Hamburg Open Online University, a set of two interactive, collaborative online courses have been developed. Promoting digital learning for sustainable development, both offer an interdisciplinary perspective on sustainable energy production and use in Small Island Developing States. The courses aim at introducing online learners to a broad spectrum of energy- but also policy-related topics, for example sustainable energy production, energy access and energy security, energy efficiency and energy management, appropriate renewable energy sources as well as policies, initiatives and programs. The courses serve two different target groups : Whereas the first course (1 pilot run in 2016, 1 run in 2017) has been designed for energy practitioners, the second course (1 run in 2017) has been designed for policy-makers.					

[27] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 28:	**Project title: Cities Cooperating for Circular Economy FORCE**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[28]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Denmark Germany Italy Portugal	11,308,117.50	Lead manager: Kobenhavens Kommune Partner: -Freie und Hansestadt Hamburg -Camara Municipal De Lisaboa -Comune Di Genova -Aage Vestergaard Larsen A/S Teknologisk Institut (DTI) - Letbaek Plast AS - Dansk Rotations Plastic APS - Stadtreinigung Hamburg AOR - Hafencity Universität Hamburg - HAW Hamburg - Consist ITU Environmental Software GmbH -Aurubis AG - Valorsul - Dariacordar Associacao Para a Recuperacao de Desperdicio - Quercus - Associacao da Hotelaria Restauracao e Similares de Portugal - Amiu Genova Spa - Ecolegno Genova SRL - Tecnologie Innovative per il Controllo Ambiental e lo Sviluppo Sostenible SCRL - Active Cells SRL - Addaptcreative LDA	Horizon2020	01.09.2016 to 31.09.2020

[28] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Object and results of the action
The overall objective is to minimize the leakage of materials from the linear economy and work towards a circular economy. Specific objectives are to: • Engage cities, enterprises, citizens and academia in 16 participatory value chain based partnerships to create and develop eco-innovative solutions together. • Develop 10 viable end-markets by demonstrating new applications for plastic waste, metals (EEE devices), biowaste and wood waste. • Develop a governance model for cities based on value chain based partnerships. • Develop decision support tools and assess the actual impact by use of Big Data. • Ensure replication through the FORCE Academy aiming at enterprises, citizens and policy makers. The eco-innovative solutions will be demonstrated across four cities (Copenhagen, Hamburg, Lisbon and Genoa) and using the four materials: Flexible plastics: Recycling and upgrade of 5,000 tonnes of flexible plastic from enterprises and private households will enable virgin material substitution, corresponding to preventing emissions of 12,500 tonnes of CO2. Metals: Citizens will be mobilized to reclaim an additional 2 kg/capita of WEEE (app. 3,600 tonnes). A communication campaign will reach 100,000 citizens and support at least five SME's that repair damaged EEE devices so that 10-20% of the collected WEEE can be redistributed. Wood waste: additional 12,000 tonnes wood waste from urban and mountain areas will be collected. 8-10,000 tonnes of brushwood will be used for compost production, and 14-16,000 tonnes will be processed into wood particles. Biowaste: around 7,000 tonnes of biowaste from the municipal mixed waste stream will be recovered: 3,000 tonnes coming from restaurants and hotels, and 4,000 tonnes coming from households. The partnerships will result in the creation of viable eco-innovative market solutions, exploited by the partners. Replication in other cities will be incentivized thus ensuring competitiveness of European Circular Economy and green growth.

Reference no 29:	**Project title: Small Islands Developing States (SIDS) Online Course**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[29]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	WWW	40,000	HAW Hamburg (lead); Centre of Excellence for the Sustainable Development of Small Island Developing States (COE); International Energy agency (IRENA)	International Energy Agency (IRENA)	01/04/2017 to 31/12/2017

Object and results of the action

In collaboration with two international partners (COE, IRENA), HAW Hamburg has developed and produced a dedicated online course on « Sustainable Energy in SIDS » for policy-makers.

The course aims at introducing online learners to a broad spectrum of energy- but also policy-related topics, for example sustainable energy production, energy access and energy security, energy efficiency and energy management, appropriate renewable energy sources as well as policies, initiatives and programs.

It resembles an interactive, collaborative online courses over 5 weeks, promoting digital learning for sustainable development in small islands. Based on Open Educational Resources (OER) developed in the frame of the EU project L3EAP, the policy-maker course offers an interdisciplinary perspective on sustainable energy production and use in Small Island Developing States and will run in 2017.

[29] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 30:	**Project title: Climate Change and the Emergence of Zika Virus Disease in Fiji: Zika under a climate change and epidemiological perspective**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[30]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Fiji	119,980.00	HAW Hamburg (lead); University of Fiji	Federal Ministry of Education and Research (BMBF, reference: 01DP17034).	01/07/2017 to 30/09/2019

Object and results of the action

The effects of climate change pose a growing challenge to human health. A rise in temperature and rainfall, as well as the increased occurrence of extreme weather phenomena, may accelerate the global spread of climate-sensitive infectious diseases, such as mosquito-borne diseases including Zika, Dengue or Chikungunya. The project "Climate Change and Prevalence Study of Zika Virus Disease in Fiji" (ZIKA Fiji), examines the interaction between climate dynamics, environmental and socioeconomic factors to determine the risk of mosquito-borne ZIKA disease transmission in the Fiji islands.

The aim of the project is:

- to identify influencing factors that favor the local spread of *Aedes* mosquito-borne diseases in Fiji
- to better understand the influence of local environmental factors and to assess their impact on Zika virus disease transmission in Fiji
- to develop climate-related strategies to address the spread of the Zika virus, as well as other *Aedes* mosquito-borne diseases circulating in Fiji

[30] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 31:	**Project title : Waste Education Initiative (Waste-EI)**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[31]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Germany, United Kingdom, Estonia, Croatia and Romania	49,102 EUR	Manchester Metropolitan University (lead); Partners: HAW Hamburg, GMWDA Bucharest Tallinn	Erasmus+	01/09/2017 to 31/08/2020
Object and results of the action					
Using innovative approaches, Waste-EI investigated best practices in waste education delivered across 5 EU regions, with the aim of sharing best practice and encouraging citizens to improve the quality and volume of valuable resources available for recycling. The objective of the project is to change behavior and ensure regions maximise recycling in the most cost effective way through a combination of teaching, educational resources, ICTs and tours to waste treatment facilities. Resource efficiency and the transition to Circular Economy principles were central to all of the outputs, i.e. ensuring consumer behaviour and materials recovery wer included in the project design. The project produced education materials, educated school teachers, created a mobile app for educational purposes, and facilitated visits to local waste infrastructure to educate young people. All outputs and ideas were disseminated throughout the partnership and other established networks to maximize the wider impact of the project.					

[31] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Erasmus+
Waste Education Initiative

Reference no 32:	**Project title: CBSS- Reclaiming stormwater ecosystem services by education and multi-actor dialogue**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[32]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Finland Germany Lithuania	69,844.00	Lead Partner: Turku University of Applied Sciences LTD, Department of Technology, Environment and Business Partner: HAW Hamburg, Kaunas University of Technology	The Secretariat of the Baltic Sea States (CBSS)	01.10.2017 to 30.09.2017
Object and results of the action					
• The project contributes to a sustainable development of a prosperous Baltic Sea region by developing a teaching and training course on sustainable urban stormwater management and related ecosystem services. The course will bring together students, decision makers, planners, and other professionals for a multi-actor, mutual learning programme, comprising on-site lectures, workshops, and online courses. The course will be embedded and disseminated through the "Baltic University Programme" to reach stakeholders from the entire Baltic Sea region. • The project will demonstrate the potential of sustainable stormwater management to respond to climate change-induced increasing risk of urban flooding, and for the improvement of urban ecosystems. It will demonstrate state-of-the art approaches and the innovation potential and capacities, related to sustainable stormwater management, existing in the Baltic Sea region. • Through its multi-actor approach and active knowledge and experience exchange across the Baltic Sea region, the project will foster macro-regional cooperation and developments.					

[32] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 33:	**Project title: Learning Among Regions on Smart Specialisation LARS**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Finland, Germany, Latvia, Lithuania, Norway, Poland, Sweden	1,643,705.00	1) Regional Council of Ostrobothnia (Lead) 2) Vaasa University/Bothnia-Atlantica Institute 3) Region of Västerbotten 4) Office of the Marshal of the Pomorskie Voivodship 5) Regional Council of Päijät-Häme 6) Hamburg University of Applied Science 7) The Lithuanian Institute of Agrarian Economics 8) The Ministry of Environmental Protection and Regional Development in Latvia 9) Oppland County Authority 10) The Lithuanian Innovation Centre	Interreg Baltic Sea Region Monitoring Committee	01/10/2017 – 30/09/2020

Object and results of the action

Programme objective: To enhance growth opportunities based on increased capacity of innovation actors to apply a smart specialisation approach.
The challenge the partnership is jointly tackling is various forms of fragmentation of regional systems of innovation and triple helixes, undermining the implementation of smart specialization strategies, reducing the capacities for innovation-driven growth and diversification. Accordingly, the objective of the project is to improve the institutional capacities of the public sector as leading actor by enabling S3 partners to jointly identify and close gaps between triple helix actors and in innovation networks through triple-helix dialogues on findings inside and across regions. In this way, the project is expected to strengthen regional connectivity, and in that way enable better integration of territorial development strategies as well as cooperation on improved systems of innovation.
The added value is the transnational dimension, through comparative analysis, which reveals opportunities and addresses issues which are not obvious with a perspective inside the region, leading to improved governance and strengthening of the institutional capacity of the public sector as an innovation driver.
The following work packages (WPs) will be delivered:
- Overall project management by lead partner (WP 1)
- Mapping of current strategies in the field of smart specialization within each region (WP 2)
- Exploring, mapping and measuring regional level triple-helix connectivity through a standardized method (WP 3)
- Transnational learning via 5 learning seminars in the regions for broad exploration of possible areas of intervention (WP 4)
- develop strategies for change, aiming to improve connectivity via interaction in selected pairs of regions, with a focus on specific receiving regions (WP 5)
- implementation of pilot actions (5-10 experimental pilot actions) in receiving regions (WP 6).

Results will be communicated and disseminated in ways which are replicable in other regions. [33]

[33] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 34:	Project title: BSR electric				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[34]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Germany, Poland, Finland, Denmark, Sweden, Norway, Estonia, Latvia	3,831,591.40	1. HAW Hamburg (lead); Partner: 2. ATI Küste GmbH, DE 3. Hoje-Taastrup Municipality, DK 4. Lindholmen Science Park, SWE 5. Zero Emission Ressource Organisation, NO 6. Turku University of Applied Sciences 7. Green Net Finland, FI 8. Helsinki Region Environmental Services Authority, FI 9. Institue of Baltic Studies, EE 10. Tartu City Government, EE 11. LTD Ardenis, LV 12. Riga City Council, LV 13. City of Gdansk, PL 14. Urban Transport Administration Gothenburg, SWE 15. Free and Hanseatic City of Hamburg, Borough of Bergedorf, DE	INTERREG BSR	01/10/2017 to 30/09/2020

Object and results of the action

BSR-electric aims to enhance the utilization of e-mobility for urban transport systems around the Baltic Sea Region by demonstrating potential applications of various types of urban e-mobility solutions. Transnational pilot actions outline how different e-mobility applications can be implemented in practice and guide municipalities, public authorities, planners and transport providers in the process of integrating new solutions into urban transport. Pilots / use cases tested:

- Urban Logistics (last mile transport with e-vans)
- E-Logistics (light EVs for maintenance workers)
- E-Buses
- E-Bikes for Commuters
- E-bikes for families (replacing the second car)
- E-scooters for social inclusion
- E-ferries

Various theme-specific capacity building actions improve knowledge whereas facilitated exchanges enhance the target's group capacity for informed decision-making.

[34] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 35:	**Project title: Digital Learning and E-mobility (online course)**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[35]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	WWW	45,000 EUR	HAW Hamburg	Hamburg Open Online University (HOOU)	01/10/2017 to 31/03/2019
Object and results of the action					
The online course "Digital Learning and E-mobility"compiled modules on e-mobility, which can be used as a flexible learning tool. The modules entail tool boxes on "introduction to e-mobility", "types of electric vehicles and technical features", "infrastructure, subsidisation, and European case studies" as well as "challenges and perspectives of e-mobility" and aim at providing students an interdisciplinary way to get involved and learn about e-mobility.					

[35] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 36:	Project title: **The digital introduction of the Sustainabe Development Goals (SDGs) into Higher Education Teaching (online course)**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[36]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	WWW	65,250 EUR	HAW Hamburg	Hamburg Open Online University (HOOU)	01/10/2017 to 31/10/2019
Object and results of the action					
One online course - „The digital introduction of the Sustainabe Development Goals (SDGs) into Higher Education Teaching" - compiled modules that aim at providing materials to integrate SDGs into university teaching. The material will help professors and teachers to introduce the goals 3 (health and wellbeing), 4 (education), 5 (gender equality), 7 (clean energy) and 13 (climate action) of the SDGs into their the learning environment .Thus, teachers act as multipliers, informing students from various disciplines about the SDGs and encouraging them to take a closer look at the sustainability goals of the UN.					

[36] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 37:	Project title: **NBS-ESA: Nature-based solutions for hydro-meteorological disaster risks reduction in European and South American cities**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[37]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Europe (Germany, Portugal, United Kingdom) and South America (Uruguay, Brazil, Columbia)	19,000 EUR	HAW Hamburg	German Federal Ministry of Education and Research (BMBF)	01/11/2017 to 27/02/2018
Object and results of the action					
Within this project, NBS-ESA created a proposal that was submitted as part of the HORIZON 2020 Programme under Societal Challenge 5 'Climate action, environment, resource efficiency and raw materials' Version of 20/02/2017). The aim of the project to be carried out under Horizon 2020 is to investigate the increases in the frequency and scope of extreme hydro-meteorological events on European and South American cities to support the cities to become better prepared to handle these events. The project therefore will investigate the causes of these risks and the impacts they may have in a set of European (i.e. Hamburg, Manchester, Aveiro) and Latin American (Montevideo, La Paz, Florianopolis and Caracas) cities. In addition, the project will develop nature based approaches and methods via which cities may be in a better position to cope with them.					

Bundesministerium für Bildung und Forschung

[37] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 38:	**Project title: Sustainable tourism – Policy Maker edition (online course)**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[38]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	WWW	69.828,46 EUR	HAW Hamburg	Hamburg Open Online University (HOOU)	01/04/2018 to 31/12/2019
Object and results of the action					
In the frame of the Hamburg Open Online University, an interactive, collaborative online course has been developed. Promoting digital learning for sustainable tourism, it offers an interdisciplinary perspective on sustainable tourism and use in Small Island Developing States. The course aims at introducing online learners to a broad spectrum of sustainable tourism, but also policy-related topics. Hence, the courses serves two different target groups ; one being interested in sustainable tourism and one wanting to know more about the policy topics around sustainable tourism.					

[38] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 39:	**Project title: CliMap-HEALTH (online course)**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[39]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	WWW	39,800 EUR	HAW Hamburg	Hamburg Open Online University (HOOU)	01/09/2018 to 31/08/2020
Object and results of the action					
In the frame of the Hamburg Open Online University, an interactive, collaborative online platform will be developed about climate change and health. The CliMap-HEALTH teaching and learning offer primarily addresses students of health sciences and public health within the framework of tertiary education, whereby the content prepared as a web application is made available to learners via lecturers at universities as well as universities of applied sciences. The course aims at introducing online learners to a broad spectrum in the field of climate change, the environment and health. There are some Case Studies for difficult regions in the world teaches about the local health problems with are increasing or arisen due to climate change.					

[39] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 40:	**Project title: Climate 2020 (online conference)**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[40]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	www.dl4sd.org	100,0000 EUR	HAW Hamburg	Hamburg Open Online University (HOOU); GIZ	01/08/2018 to 31/07/2020

Object and results of the action

Suppoted by the Hamburg Open Online University (HOOU) and further partners (international organizations, thinktanks, compabies, NGOs, universities and networks), the objective of the climate-neutral, oppen access on-line conference is to convey the most recent research results on climate change and its impacts, as well as to provide early career researchers from all over the world with the opportunity to present their findings at a global level. The conference also provides information on numerous specific projects, initiatives and strategies, which are currently being implemented on the five continents and considered to be the latest examples of worldwide climate change adaptation and mitigation activities.

Delegates are just a mouse-click away from this event: They may easily log in over the Internet no matter where they are actually located: in their office, at a school, university or on their way home. Thus, the event fills a knowledge gap in respect of thematic discussions on climate change mitigation and adaptation, which will be performed both in an integrative and interactive way.

- The worldwide virtual Conference will take place from 23th 2020 to 30th March 2020 exclusively on the internet, in a climate-friendly manner.
- The Online Conference provides the participants with free unlimited access to all kinds of high-quality scientific articles, climate projects and further learning opportunities 24 hours a day, 7 days a week.
- CLIMATE 2020 offers a unique opportunity to enhance an international dialogue and ideas exchanges between experts from the academic, political, economic and social sectors and the rest of the community.
- The virtual conference is guided by and will contribute to the Sustainable Development goal 13 (Climate Action).
- In addition, it fosters the current debate on securing biodiversity by providing insights on climate change and biodiversity.

[40] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Reference no 41	**Project title: BIO-PLASTICS EUROPE**				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[41]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	Europe	8 503 592.50 EUR	HAW Hamburg (lead partner) Fraunhofer LBF, Kaunas University of Technology, Manchester Metropolitan University, Swedish Environmental Research Institute, Technical University of Tallinn, University of Bologna, Lodz University of Technology, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research, National Research Council, Turku University of Applied Sciences, The Hamburg University of Technology, Hamburg Institute of International Economics, The Austrian Centre of Industrial Biotechnology, Universidad Politecnica de Madrid, TICASS, Heng Hiap Industries, Nature Plast, Arctic Biomaterials, Prospex Institute, Assobioplastiche Servizi, Ecoembalajes España	H2020 European Comission (REA) Grant Agreement No. 860407)	01/10/2019 to 30/09/2023

[41] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.

Object and results of the action
The **MAIN OBJECTIVE** of the project BIO-PLASTIC EUROPE is: ***The development of sustainable strategies and solutions for bio-based plastic products, as well as the development of approaches focused on circular innovation for the whole bio-plastics system. These may be deployed to support policy-making, innovation and technology transfer.*** The **SPECIFIC OBJECTIVES** of the project BIO-PLASTIC EUROPE are as follows: **Objective 1 -** To define, test and deploy innovative product design strategies and to pursue specific Innovative Business Models based on these strategies, targeting efficient reuse and recycling approaches and solutions for bioplastic, including those required to ensure the **health** and safety of recycled materials when used for toys, packaging food stuffs and shipping, fishing, and aquaculture equipment. The materials will be made from renewable sources, with minimal or no competition with food supply chains. They should contain thermo-mechanical properties comparable to conventional plastics with the advantage of being eco-sustainable and naturally biodegradable. Collected data on physical-chemical properties of a variety of materials currently being developed will be assessed and may lead to the transformation of current bioplastic products and/or the creation of new ones. **Objective 2 -** To map current waste collection and management schemes as well as recycling inefficiencies, identifying, listing and addressing some of the technical and economic barriers to bio-based plastics recycling as regards established and/or alternative recycling options, also including safety and impacts on ecosystems and define key priority areas for enhancing waste collection and management. **Objective 3 -** To investigate the potential impacts of bioplastic on the terrestrial and aquatic environments, including on flora, fauna and possible implications to human health. This is part of the procedures for the biodegradable sustainability framework. By means of pre-normative research and tests of various modalities of bioplastic under laboratory and field conditions, a better knowledge about the expected or potential impacts of the release of chemicals deriving from the degradation of bioplastic will be achieved. This can, in turn, provide a solid basis for the further development of those categories of bioplastics known to be less dangerous to human and environmental health. The work performed as part of Objective 3 will contribute to the development of EU-harmonised criteria for biodegradability (in open-air and in oceanic conditions) and a sustainability framework that increases market transparency and improves waste management practices on land and sea. **Objective 4 -** To build a **biodegradable plastics sustainability framework**, also by producing a "**bioplastic safety protocol**" (as a reliable means to ensure the safety of bioplastic materials), and by a mapping focusing on the applications where biodegradable and compostable solutions could support public policies. **Objective 5 -** To develop Innovative Business Models facilitating efficient reuse and recycling strategies and solutions, creating a better framework for systemic innovation and uptake of results through broad stakeholder engagement and improve the professional skills and competences of those working and being trained to work within the blue economy and the bioeconomy by means of the execution of a set of training activities. *Means of delivery of objective 5: Work Package 7 and 8*. **Objective 6** - To design, test and deploy a coordinated Communication Strategy and the related tools for cooperative knowledge sharing of Best Practices and Lessons Learned.. The knowledge basis and on-going stakeholder and citizens dialogue initiated in objectives 1 to 5 will support the communication strategy by identifying joint knowledge creation needs, prompt industry and stakeholders feedback/responses, as well as a proactive communication flows, for successful replication.

Reference no 42	Project title: Klima-GESUND				
Name of organisation	**Location of the action**	**Cost of the action (EUR)**	**lead manager or partner**	**Donors to the action (name)[42]**	**Dates (from dd/mm/yyyy to dd/mm/yyyy)**
HAW (Hamburg University of Applied Sciences)	WWW	190,742.14 EUR	HAW Hamburg	Federal Minister for the Environment, Nature Conservation, and Nuclear Safety (BMU)	01/01/2020 to 31/12/2021

Object and results of the action

The project **Klima-GESUND** (Jan 2020 – Dec 2021) is aiming to develop an education and training programme covering topics of research and action concerning adaptation strategies for health impacts of climate change in Germany through the synergy of traditional and online learning tools. A collection of subject-related materials, designed to teach topics and skills, will be developed with and provided to German institutions of higher education in the area of health sciences, public health and associated fields of research and applied public health.

More specifically, the project's objectives are

(a) To identify the state of the art and priorities of research and action concerning adaptation strategies for health impacts of climate change in Germany, taking into account the needs and perspective of German universities and public health authorities
(b) To develop a learning concept, e-learning architecture and teaching materials as the core of the **Klima-GESUND** educational and training programme
(c) To test and evaluate the teaching materials in collaboration with selected German universities
(d) To establish a network of stakeholders from German institutes of higher education and public health authorities in the field of climate change and health in Germany

The proposed output of the project will be a module handbook, providing guidelines how to use and implement the **Klima-GESUND** educational materials in curricular programs, and to provide recommendations for policy implications for higher education in the area of climate change and public health in Germany.

[42] If the Donor is the EU Commission or an EU Member States, please specify the EC budget line, EDF or EU Member State.