

Regional Partnership " Get greener! Sharing best practices and local solutions for a green growth ":

Gironde Departmental Council – France

Lubelskie Region - Poland

Province of Liège – Belgium

City of Essen – Germany

Cleantech Region – The Netherlands

welcome you at the EWRC 2017 official workshop:

“Drive me green! Local partners for a green growth”

11th October 2017, 9:00 – 13:00

Représentation de la Région Nouvelle-Aquitaine à Bruxelles, 21 rue Montoyer, 1000 Brussels

1

Respect for the environment has become a major issue over the last few decades and will continue to be so for the coming decades, that is why local and regional authorities are committed to a sustainable development. Local authorities and their stakeholders will present projects funded by EU in the field of environment, social and economy that contribute to achieve Europe 2020 objectives. For example, MAC Eau project (funded by LIFE+ program) will be presented. It is aiming at improving the management of water resources, by acting on drinking water consumption, and also tackles the increasing public awareness in Gironde (France) (householders, professionals, local authorities, schoolchildren) about the fragility of the resource and the impact of our consumption and use. The debate will also focus on educational aspect of sustainable development and bioeconomy.

The attendants are responsible actors in the decision-making process focusing on sustainable development issues. The event is an excellent opportunity for a profound exchange of ideas and best practices regarding the different decision-making procedures. So, the debates provide impetus to work out perspectives and strategies for ideal long-term solutions. The debate will be followed by a presentation the local authorities and their food specialties.



ESSEN
2017



GRÜNE HAUPTSTADT
EUROPAS



Province
de Liège



lubelskie
Taste life!

Agenda of the debate:

08h30 - 09h : admission and welcome coffee	
09h00 - 09h15 : Opening of the workshop Mrs. Denise Greslard-Nedelec, Vice-president of Gironde Departmental Council in charge of inclusion	
09h15 - 10h30 PANEL A – Green strategies at local level Green angle is an integral part of the strategies of regional and local authorities in Europe. You will learn how to develop and implement sustainable „green strategies“ in your region, province or city.	<u>Speakers :</u> - Cleantech Region: Strategy - Province of Liège : Presentation of global climate plan - City of Essen : Green City Essen 2017
10h30 - 11h : coffee break	
11h00 - 12h30 PANEL B – Local solutions for green growth Speakers will present concrete projects focused on achieving Europe’s 2020 targets in the fields of energy, education and sustainable development	<u>Speakers :</u> - Gironde departmental Council: Water management (life+ project MAC EAU) - Lubelskie Region: energy assistance project - Cleantech Region: energy transition
12h30 conclusion	
13h00 - 14h30 networking buffet	

Moderator:

Alena MASTANTUONO



Alena Mastantuono graduated at the Palacky University in Olomouc and at the Masaryk University in Brno with major in Economics and Public Administration. She worked at the Czech Ministry of Finance on preparations of the Czech Presidency of the Council of the EU and from 2007 she works for CEBRE- Czech Business Representation to the EU, first as a Deputy Director and from 2011 as a Director of the office. She is a delegate of the Czech Chamber of Commerce to EUROCHAMBRES and substitute to the EESC Member. She publishes and lectures about EU issues.

Partners of the event & Speakers:

I. Cleantech Region – The Netherlands



The Cleantech Region is a regional triple helix partnership situated in the eastern part of the Netherlands that works on a clean future where economy and ecology are in balance. Energy transition and circular economy are its focal areas. Specific targets are energy neutrality by 2030, no more waste by 2030 and 4.000 new cleantech related jobs by 2020. The Cleantech Region stimulates local and regional (bottom-up) initiatives, innovation in cleantech business, clean mobility and an optimal connection between education and the labour market. Europe and its cities and regions are important partners to accelerate the Region's ambitions. The Cleantech Region is an active European partner and participates in the networks ERRIN, ACR+ and Climate-KIC.

Speaker: Andries Heidema

Mayor of the municipality of Deventer since 2007 and chairman of the Strategic Board Stedendriehoek since 2012, a triple helix organization in the east of the Netherlands that is the driving force behind the Cleantech Region. Mr. Heidema studied at Wageningen University and has been politically active since 1990. Mr. Heidema responsibilities as mayor include safety and international policy.



3

Cleantech Region: towards a sustainable prosperity

The Cleantech Region has set itself 2 very challenging long term goals: by 2030 we want to be free of waste and we want to be energy-neutral. We want to accomplish these goals by transforming our economy into a circular economy, in which everything we formerly used to call "waste" can be re-used as a new source of raw material to produce new goods. And newly produced goods are of course 100% re-usable or recyclable! In a parallel process we want to reorganize the way we produce and consume energy, in order to become energy-neutral. Both transitions are very much connected and interdependent. We are convinced that in this process we will generate many thousands of new jobs, not only for highly educated youngsters but also for people who are presently unemployed or working in a declining sector. In that way it also leads to an inclusive society with a place and a role for every citizen. In a first step towards these long term goals we want to reduce our waste by 2020 with 33%, our energy consumption with 10% and generate 4.000 new jobs in our Cleantech Region.

We don't work with a top-down blue print for this transition. Things are changing faster than traditional policy-making processes can cope with. We are inviting public and private entrepreneurs, CEO's of big and small companies and institutions and last but not least our citizens to join our efforts. We take the position of supporting them and empowering them to be able to shift towards a circular way of producing and more energy-efficiency.



Examples of projects the Cleantech Region supports:

- The paper industry is responsible for about 80% of all paper production in the Netherlands. It is one of our leading industry clusters and the largest consumers of both energy and water in our region. We have already reduced the water consumption through an extensive process of filtering and cleaning the used water and re-using it in the industrial process. We are researching new –clean- ways of generating the enormous amount of heat needed in the paper-making process and at the same time looking for ways to re-use this generated heat for heating thousands of houses, offices and possibly green houses. Papermaking is historically speaking a very circular industry already and through innovation and industrial design we are exploring new types of usage for paper, for instance as a building and construction material.
- We are re-generating one of the eldest industrial estates in the Netherland, the Mars in Zutphen, into a modern circular business area. All types of material are gathered and processed here: demolition waste, used plastics and polymers, wood etc etc. They are upcycled to be able to re-use them in the production of new goods. Even sewage waste is collected and processed here for energy production and to extract sulphate to be used in the production of fertilizer. This process generates heat that will be used to deliver to offices and housing blocks.

Visit our website www.cleantechregio.nl for more information, or, even better: visit us in real life!
You are most welcome!

II. The Province of Liège - Belgium

4



The Province of Liège has 1.094.791 inhabitants including 76.328 in the German-speaking Community which represents 30.5% of the Wallonia Region population.

The capital of the province is the city of Liège. The total area of the province is 3.682 km² and it has 84 communes divided into 4 administrative districts: Huy, Liège, Verviers and Waremme.

This province has nine German-speaking municipalities (which form the German Community), located in the Eastern Province of the administrative district of Verviers. Waimes and Malmédy are called linguistic facilities cities; in other words, although they are French-speaking, citizens can express themselves in German at their local administrative bureau.

Since 1976, the Province of Liège has been part of the Eurégio Meuse-Rhin.

The Province and I for the Climate!

Speaker: Mr. Olivier Nisin, he is responsible for the Sustainable Development Department of the Infrastructure and Environment Directorate-General.

He's a Biologist with a background in environmental sciences and a complementary degree in oceanology.





In 2006, the Province of Liège, emphasized the importance of energy in its sustainable development policy.

Following the new European action plan "Climate Energy" package, the Province develops its climate plan in two axes:

- The first axis works to reduce the energy consumption of provincial infrastructures, including the development of an energy cadaster of infrastructures and the awareness of agents on climate issues.
- The second axis encourages municipalities to carry out their own Climate Plan. The Province, in its role of supra communality, offers expertise, support, and analysis of the vulnerability of the territory and the actions to be taken

In order to place itself in the European network and to claim substantial subsidies for these actions, the Province registered itself as a member of Energy Cities, the European association of local authorities in energy transition.

The province of Liège is a signatory to the Covenant of Mayors, the main European movement to improve energy efficiency and increase the use of renewable energy sources in their territories.

It is also involved in the POLLEC project in Wallonia. Today, 52 municipalities are gathering around the Province of Liège and commit themselves to register to the Covenant of Mayors and to realize their Climate Plan with the help of the Province.

For any informations: Centre d'information Europe Direct(CIED): www.provincedeliege/europedirect

III. City of Essen - European Green Capital 2017 - Germany

- 590.000 inhabitants
- 210 km² of territory
- 46 % settlement and traffic area
- 54 % open space
- 150 years transformation process



The more recent history was determined by coal and steel. What began as surface coal-mining in the south of the city had little effect on nature and the landscape. The massive coal production mining that began in the early 19th century, and the subsequent heavy industry, pushed aside nature in the northern through half of the city until the last colliery was closed in 1986.

With a population of 590,000, the City of Essen is the ninth largest city in Germany. It is located in the Federal State of North Rhine-Westphalia, at the centre of the Ruhr Metropolis (also known as the Ruhr Area), where around 5.1 million people live, the third largest conurbation in Europe after London and Paris.

Speaker: Michael Mühlenkamp

Michael Mühlenkamp is a civil servant of the City of Essen. He has been working in the field of waste management (transport and logistics) at Entsorgungsbetriebe Essen GmbH from 1993 -2007. He was also responsible



working for the organization of the ‘World Hydrogen Energy Conference 2010’ in cooperation with the Energy Agency. NRW (State of North-Rhine Westphalia). Since mid-2010, he is significantly involved in the successful application for ‘European Green Capital Award’ and now, as part of the Project Office ‘European Green Capital – Essen 2017’, co-organizing the EGC—Essen 2017-Year.

City of Essen
Project Office ‘European Green Capital – Essen 2017’
Brunnenstr. 8
45128 Essen

IV. Gironde Departmental Council - France



Gironde, land of contrasts

The largest department in France in terms of surface area, Gironde represents 2% of France’s land mass and has a total population of 1,526,016 inhabitants

(on 1 January 2014). It consists in a metropolitan area of more than 761,000 inhabitants (encompassing Bordeaux with 250,000 inhabitants) and a rural territory famous for its vineyards, with 57 “appellations d’origine contrôlée” / controlled designation of origin (e.g. Pomerol, Médoc, Pessac-Léognan, Saint-Emilion) and exceptional natural resources:

- 78 miles of coastline and beaches on the Atlantic Ocean;
- more than 480,000 hectares of cultivated maritime pines: the most heavily forested department in France;
- and the Gironde estuary is the largest in Europe (47 miles long and 7.5 miles wide).

As well as being a well-known tourist destination, Gironde has another major asset – being a land of innovation, with research and technology hubs of international renown. These hubs demonstrate the competitiveness and attractiveness of a territory that is dynamic in many ways, mainly welcoming new populations (more than 15,000 new residents every year, most of them in with jobs).

Speaker: ALAIN RENARD

Alain Renard is Vice-president in charge of Environmental protection, Risk and resource management, Road infrastructure of the Gironde Departmental Council and Member of the Water Committee since his first election in 1988. He represents Gironde Departmental Council in a great number of water related institutions and committees.



The MAC Eau project: Assessing the impact of water-saving measures to preserve drinking water resources



The European project Life + MAC Eau has enabled the implementation of water-saving measures on different levels and the assessment of their technical and economic effectiveness. It provides a guideline in the decision-making process for stakeholders who must find a balance between an ever-increasing population and the preservation of a threatened resource.



A PROJECT WHICH MEETS EUROPEAN TARGETS FOR THE PROTECTION OF WATER RESOURCES

Drought, the constant growth in population and climate change weigh heavily on water resources



and their quantitative balance. The Gironde department is faced with the problem of considerable pressure on the deep aquifers, which supply more than 96% of drinking water, and is confronted with a significant and constant influx of new populations (an average of 15,000 inhabitants per year). The annual renewal volume of water tables is lower than the volume consumed each year to supply drinking water. In other words, the water tables are over-exploited. In view of this and of planning actions already implemented in Gironde, the MAC Eau project puts forward several experimental measures based on a modification in use and the management of drinking water consumption in order to meet European goals for the preservation of water resources.

Implication of stakeholders in the water chain - Different levels of intervention and complementary actions.

The European Life + MAC Eau project was initiated in July 2012 for a duration of 5.5 years. 50% of funding comes from the European Union, 20% from the Adour-Garonne Water Authority and 10% from the Nouvelle Aquitaine regional authority.

It was the result of a technical partnership between the Gironde Departmental Council, who coordinates the project, the Joint Authority for the Study and Management of Water Resources in Gironde (SMEGREG), the town of Mégnac and the Inter-Municipal Drinking Water Authority of Blaye (SIAEP du Blayais). It has enabled the development and implementation of complementary water-saving measures at different levels of water management:

- over 80,000 water-saving kits distributed across the department to nearly 60,000 households, in addition to complementary equipment in 108 public buildings;
- 6 pressure modulators installed on the water authority network in the Blaye area;
- 70 rainwater tanks installed in individual households and community buildings.
- education and vocational training on water-saving actions for individuals, schoolchildren, local authorities and young people.

Encouraging results and informative feedback

All the actions carried out were analysed to measure their impact on consumption and aquifer levels in order to determine their effectiveness. An assessment was made, in parallel, of the socio-economic factors that can influence inhabitants' water consumption, as well as the effectiveness of each measure enabling precise feedback and participation in promoting awareness of water use. The analysis of these data will determine which measures have the highest impact. This will allow all stakeholders to adopt and to make good use of one or more of the measures and tools in place and to anticipate an encouraging economic impact.

This experiment demonstrates the advantage of public policy coordination in the field of water resources, notably in water-saving, and provides decision-making guidelines for different stakeholders: Which water-saving measures should be prioritized? What is the financial feasibility of such measures?

The portability of the project

The project brought to light certain difficulties and constraints during the implementation of measures and their analyses. Thanks to the proposed solutions and the project feedback, the analysis of the implementation method could be used by stakeholders interested in setting up similar measures.

For more information, please visit the project website: www.jeconomiseleau.org or contact us directly: Nathalie Briche, MAC Eau Project Manager

Email: n.briche@gironde.fr

Ph: 033 5 56 99 67 69

Anne-Claire Gonzalez, MAC Eau Project Head

Email: anne.gonzalez@gironde.fr

Ph: 033 5 56 99 33 33 (ext. 51 04)

V. Lubelskie Region - Poland



The Lubelskie Region is located on the eastern EU border with Ukraine and Belarus. It is one of the assets of the Lubelskie Region - a place friendly to investors, willing to act in the neighborhood of eastern markets.

Lublin – the capital of the Lubelskie Region with four universities, a technical university and a few private higher education schools is one of the biggest academic centres in the

country. The economy of the region is based on agriculture. Important industry roles are played also by the following sectors: construction, timber and furniture sector, hard coal mining and machinery sector- with production of helicopters, tractors, agriculture and construction machines.

The Lubelskie Region is an attractive area for tourists who like active rest, there are thousands of kilometers of marked walking trails, cycle and horse riding routes and numerous nature trails in national and landscape parks.

Speaker: Dr Engineer Kajetan Kościak - RES & EE advisory project coordinator, energy advisor.



Main activities and responsibilities:

- Preparation and realization of local, regional and international project related to renewable energy sources
- Conducting of research in university energy crops fields about utilization of biomass for energy purposes
- Preserving science contacts with partners
- Training with students at university level

Low Carbon Economy Plan

Prepared and implemented by each local government unit in the region. Those plans are basing on Sustainable Energy Action Plans idea, given by Covenant of Mayors for Climate and & Energy. Energy

advisers from Regional Energy Office assisted during process of elaborating of those documents in order to make it adequate, measurable and realistic to fulfill. Presently 182 (82%) communes are implementing assumptions from those plans within different projects related to RES production and increasing of energy efficiency.

Moreover assistance for implementing RES and EE projects is available free of charge for public sector, enterprises, associations and foundations, housing sector and individual people. Project named “National advisory support system for public and residential sector, and enterprises on energy efficiency and RES” in the territory of Lubelskie Voivodeship is realized within structures of Regional Energy office where 6 employees are dealing with that topics. Most important performance indicator for advisors is specified amount of supported RES and EE projects leading Lubelskie region towards reaching EU 2020 targets.

Contact: Regional Energy Office, ul. Artura Grottgera 4, 20-029 Lublin, phone: +48 81 47 81 450, rbe@lubelskie.pl

VI. Cleantech Region - The Netherlands



Speaker: Mr André Zeijseink

Mr. Zeijseink already worked for 25-years in the electricity business before he made the switch to supporting bottom-up energy initiatives. As co-founder of Loenen Energie Neutraal (LEN), mr. Zeijseink supports local energy initiatives in the village of Loenen and surroundings, in the east of the Netherlands. The LEN initiative was kick started by an Interreg IVB

subsidy for the project ‘Academy of Champions for Energy’, that stimulates renewable energy awareness, use and production in the daily life of people, business and education. In cooperation with i.a. the Technical University of Eindhoven and the municipality of Apeldoorn, mr. Zeijseink developed a new Interreg VB proposal to start community based virtual power plants.



9

Loenen Energy Neutral, a bottom-up energy transition process

In 2013 the municipality of Apeldoorn initialized our civilian based energy transition initiative, by organizing a 200.000 euro prize contest for its surrounding villages for the best plan for local energy transition. This prize contest was funded by the European Union through Interreg NWE. A key condition was that the plan should have a long term view. 200K is a drop in the ocean if spent on just another energy project. To give an idea: even for our small village Loenen of 3000 inhabitants an amount in the order of tens of millions euro’s would be needed for full transition. So we made a plan with a team of villagers to make the 200.000 euro count much higher. In July 2013 this plan was rewarded as the winner by the City of Apeldoorn due to the development of a revolving fund (Loenen Energy Fund) as most differentiating aspect.



The prize led to a successful foundation of volunteers (Loenen Energy Neutral) with a revolving fund. These volunteers are driven by a sense of urgency that is still lacking in too many places. In three years' time this fund has catalysed an investment of 1 million euro's in some 150 local energy transition projects (PV and insulation), that are funded for >93% with private money. Moreover, for at least the next decade this revolving fund will stimulate another 100.000 euros of private investments annually. On the basis of this success, the foundation was nominated for the European Sustainable Energy Award of 2015. Village community spirit contributed largely to this success, and we feel it is quiet replicable to other places of similar constituency.

Analysis by a local class of primary schoolkids (!) has shown that Loenen has enough suitable rooftop to cover 125% of the local household electricity demand by solar power alone. This naturally kick-started an even more important next step for further upscaling and professionalization of the Loenen activities. Such upscaling and professionalization provides significant acceleration in energy transition, contributes to our ambition and creates new jobs while doing it.

This next step, called the civilian based virtual power plant, is a novel concept, which will become the basis for realising up to 100% of renewable electricity production and consumption (net/net) for Loenen. This concept will be the backbone of locally owned village power plant, consisting of several types of local renewable energy sources. Solar will be the basis in Loenen. Later to be added by biomass. But energy transition is not merely a matter of renewable energy sources; in case of intermittent renewable energy sources, even more important are the networks and the balance between supply and demand. Therefor the project will also work on demand side management and energy storage.

Visit our website <http://www.loenenenergie.nl/> for more information.

