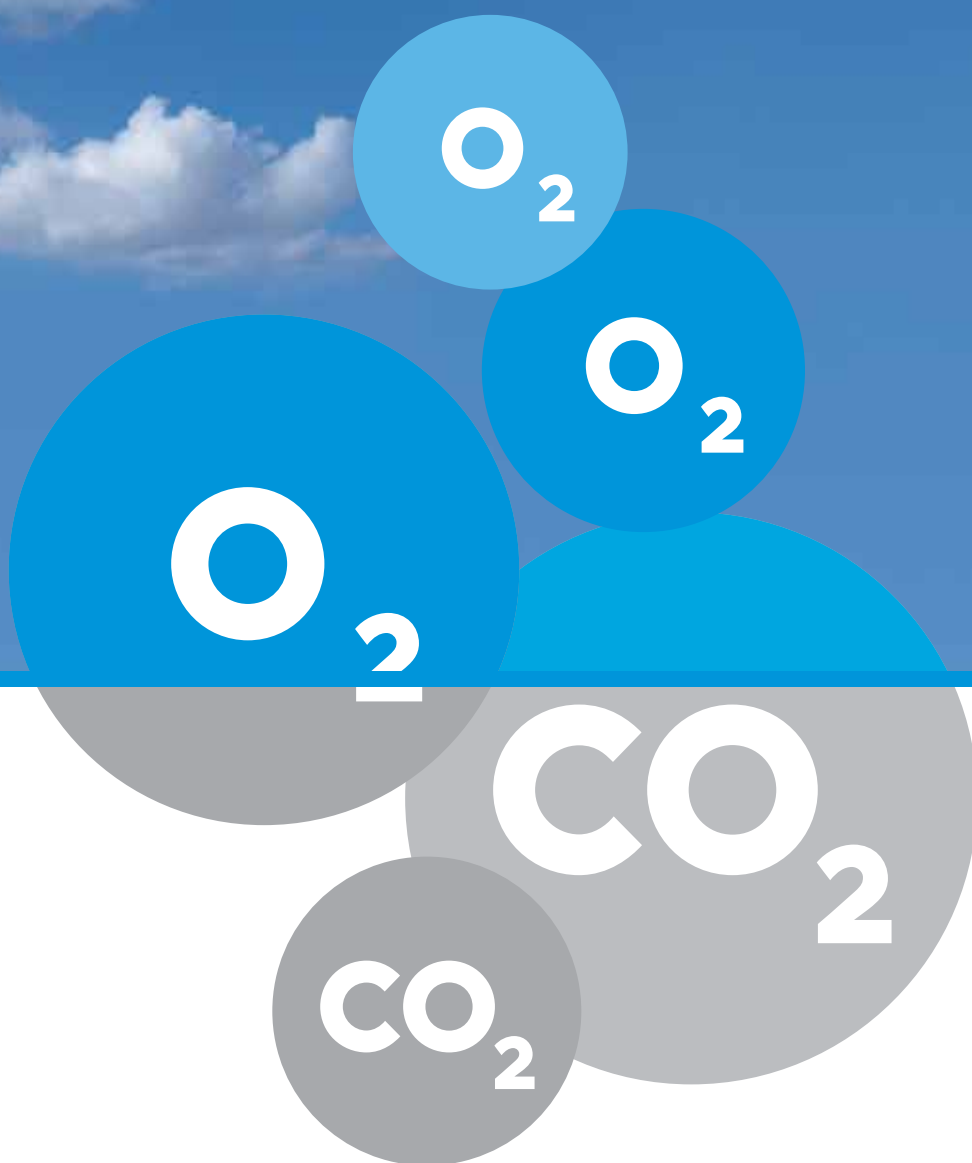


A tool
for your
community

ENESCOM



Why CO₂ matters



This simple gas is the main regulator of the Earth's temperature producing a natural greenhouse effect. We have lived the last 800,000 years with a concentration of CO₂ in the atmosphere never above 300ppm (part per million), providing a safe, balanced condition that allowed life on Earth to flourish.



Now things are changing. Human activities, heavy industrialization and intensive use of fossil fuels are pouring large amounts of CO₂ into the atmosphere every year. The concentration of CO₂ has already reached 390 ppm, far above the safety limit of 350 ppm that climate scientists indicate.



Global Warming is already threatening our safety and our economies, we are facing a real challenge and we have to react in a rapid and effective way as international community.

The ENESCOM project is a part of the Intelligent Energy Europe program and aims to promote information, dissemination activities and Sustainable Energy Action Plans within 14 European partners and over 56 local communities. This means concrete actions to reduce CO₂ emissions and develop a sustainable way of life.

CO₂

Accumulates in the atmosphere and takes a long time to be reabsorbed by the system. Other greenhouse gases, potentially more powerful, have shorter lifecycles or are far less abundant. The raising of CO₂ will potentially raise the emissions of other greenhouse gases from natural sources like permafrost and sea beds.

1 litre

One litre of diesel fuel produces about 2,4 kg of CO₂, transport is the third largest CO₂ emitter after energy production and agriculture.

2°C

This is the safety limit for the rise of the average temperature on the planet indicated by the Intergovernmental Panel on Climate Change (IPCC). Scientists are warning that without severe and immediate reduction in CO₂ emissions we are likely to exceed this limit (realistic predictions concerning actual trends are between 1,8 °C and 3,4 °C - GIEC).

350 ppm

The safety limit of CO₂ in the atmosphere (currently 390 ppm). We have to do our best to consistently reduce our emissions.

The Covenant of Mayors



The key role of local authorities

Local authorities have a key role in mitigating climate change. Over half of greenhouse gas emissions are created in and by cities. 80% of the population lives and works in cities, where up to 80% of energy is consumed. Local authorities, being the closest administration to the citizens are ideally positioned to understand their concerns. Moreover, they can address the challenges in a comprehensive way, facilitating the conciliation between the public and private interest and the integration of sustainable energy into overall local development goals, be it development of alternative energy more efficient energy use or changes in behaviour.

The Covenant

The Covenant of Mayors is an ambitious initiative of the European Commission that gives the lead to Europe's pioneering cities to mitigate climate change through the implementation of intelligent local sustainable energy policies that create stable local jobs and increase citizens' quality of life and address crucial social issues.

Sustainable Energy Action Plans

The local governments signing up to the Covenant of Mayors commit to submit their Sustainable Energy Action Plans (SEAPs) within the year following adhesion. The Sustainable Energy Action Plan is a key document that shows how the local government will reach its CO₂ reduction target by 2020. Since the Covenant's commitments concern the whole geographical area of the city/town, the SEAP should include actions concerning both the public and private sectors.

In principle, it is anticipated that most SEAPs will include actions in the following sectors:

SEAPs

A Sustainable Energy Action Plan is the key document that shows how the community will reach its CO₂ reduction target by 2020. It defines the activities and measures set up to achieve the targets, together with time frames and assigned responsibilities.

2100

Over 2100 local authorities have already signed the Covenant and are planning a cleaner and safer future.

- Built environment, including new buildings and major refurbishment;
- Municipal infrastructure (district heating, public lighting, smart grids, etc);
- Land use and urban planning;
- Decentralised renewable energy sources;
- Public and private transport policies and urban mobility;
- Citizen and, in general, civil society participation;
- Intelligent energy behaviour by citizens, consumers and businesses.

Reductions of greenhouse gas emissions due to industry delocalisation are explicitly excluded from the SEAP.

Sustainable Energy Action Plans should be presented and debated by the civil society. SEAPs with a high degree of citizen participation are the most likely to get continuity in the long-term and to succeed in attaining their objectives.

20-20-20

The EU is committed to transforming itself into a highly energy-efficient, low carbon economy. The 20-20-20 targets are part of this program. By 2020 we have to produce:

A reduction in EU greenhouse gas emissions of at least 20% below 1990 levels;
20% of EU energy consumption to come from renewable resources;

A 20% reduction in primary energy use compared with projected levels, to be achieved by improving energy efficiency.

Signatories of the Covenant of Mayors contribute to these policy objectives through a formal commitment to go beyond this target through the implementation of their Sustainable Energy Action Plan.

ENESCOM for Mayors



Workflow

STEP 1: Signature of the Covenant of Mayors

Creation of adequate administrative structures

Baseline CO₂ Emission Inventory & SEAP development with stakeholders and citizens

STEP 2: Submission of your SEAP

Implementation of the SEAP

Monitoring and reporting

STEP 3: Regular submission of implementation reports

-20% CO₂
by 2020

What can ENESCOM do for you?

The ENESCOM team can assist administration in the process to adhere to the Covenant of Mayors. In particular, ENESCOM experts can provide expertise and assistance for the following tasks.

Understanding the CoM

They can help the administrator to fully understand what the Covenant of Mayors is, what it implies and all the opportunities that it brings into a community. The ENESCOM team can organize meetings with Covenant Pioneers and experts to improve awareness, create networking opportunities, and collect key information about the Covenant process.

Energy baseline

The Baseline Emission Inventory quantifies the amount of CO₂ emitted due to energy consumption in the territory of the Covenant signatory. It allows to identify the principal sources of CO₂ emissions and their respective reduction potentials. The ENESCOM team will offer assistance and expertise for this fundamental activities.

Training and dissemination

Organization of information and training activities addressing different target groups and creation of local front offices to act as info points for all citizens. These activities support the communities willing to integrate and institutionalize the intelligent use of energy into all areas of life.

SEAPs drafting

ENESCOM will foster the drafting of a Sustainable Energy Action Plan that reflect not only the point of view of administrators, but the involvement of the whole community.

International team working

14 European partners and over 50 towns involved for a continuous exchange of data, expertise, creativity and knowledge.



ENESCOM for citizens



What can ENESCOM do for your community?

Having the ENESCOM project active in your community creates an interesting opportunity to move towards a new way to consider energy and the way we use it. Political will and investments in this field are important but the involvement of citizens and stakeholders is essential.



Every family, every company, every single person can act modifying the impact of his community on the planet. That's why ENESCOM will help to train and organize a network of info-points ready to provide correct informations to each involved community.



Understanding consequences and opportunities

The Covenant of Mayors is a practical instrument for the Community, bringing together best practice opportunities and allow the community to plan for the future. Sustainability and energy efficiency are part of the social and economical evolution of our communities and everything starts from raising awareness. ENESCOM will help local administrations to organize dissemination events to raise general awareness and understanding of the issues related to Global Warming and the CoM process.

Best practices and adaptation

The info points that ENESCOM will help to create are also dedicated to spread the word about best practice, providing guidance to case studies and experiences that proved effective and to suggest adaptation of these practices to your current situation.

Not two communities are the same and the way we use energy or we produce pollution are often different from place to place. The data collected during the energy base line analysis of each community will greatly help in the selection and adaptation of the actions to take in every community.

Learn

Changing our lifestyle isn't too difficult if we understand where and how we waste energy. Investing time in learning how things work around us can prove very useful. Public Info Points and trainings in your community will provide the opportunity for citizens to receive correct information and exchange experiences.

Save

Energy saving is the easiest way to reduce the carbon footprint of our lives. With a minimum effort we can cut consumption while reducing our costs at the same time.

Talk

Sharing knowledge and opinions about Climate Change, pollution and issues concerning our use of energy is part of the community awareness raising process. Providing a fundamental platform to foster change. Encouraging talk and discuss about these topics at home, school, workplaces, etc.

Care

We should care about the Future, because this will improve our present. Act now.

ENESCOMs' partners

ENESCOM intends to promote widespread information and dissemination activities targeting 14 different EU countries aiming at achieving the following main objectives:

- to increase the number of EU local communities engaged in the mitigation of climate change through the promotion and adhesion of the Covenant of Mayors' initiative
- to develop capacity in building in energy sustainability and the adoption of intelligent local sustainable energy policies (creation and implementation of SEAPs)
- to promote the integration and institutionalization of energy efficiency, and use of renewable energy sources (energy-efficient behaviours and lifestyles) within EU local communities, targeting all relevant stakeholders (public administration, businesses, citizens...)
- The objective will be reached by means of a 30-months joint cooperation between the 14 participating EU countries leading to the creation of a network of regional and local front offices with the main role of informing and counselling users on energy matters based on the analysis/assessment of the local situation, promote and facilitate local authorities in the adhesion to the Covenant of Mayors and preparation of SEAPs/roadmaps, organize and run several training, dissemination and awareness-raising activities tailored to different target beneficiaries (students, citizens, stakeholders, policy-makers).

This activity will be supported by the creation of specific information and communication tools, materials and actions also involving the media. The widespread involvement of Pioneers of the Covenant of Mayors and disseminators/multipliers at local, regional, national and international levels will contribute to the achievement of the main project outputs and objectives, creating the basis for multiplying effect-transferability-replication of actions and knowledge.

Useful references

www.enescom.org

The site of ENESCOM project

www.eumayors.eu

The site of the European program with document, forms, news and explanations.

ec.europa.eu/energy/intelligent/

The site of the Intelligent Energy Europe program

Related programs

Energy for Mayors

www.energyformayors.eu/

Regions 202020

www.regions202020.eu

City SEC

www.citysec.eu

Come2Come

<http://nuke.spesconsulting.com/>

Come2CoM/tabid/96/

Default.aspx

List of nations and partners

 Unione di Comuni Valle del Samoggia	Italy Union of Municipalities Samoggia Valley	 CENTRUM WSPIERANIA EDUKACJI I PRZEDSIĘBIORCZOŚCI	Poland The Center of Education and Enterprise Support Association
 ASSOCIAZIONE CONSIGLI LOCALI MALTA	Malta Local Councils' Association		Spain Iniciativas Casmor S.L.
 kek foundation	Hungary Eastern-Hungarian European Initiations Foundation	 Powys	UK Powys County Council
 CZECH TECHNICAL UNIVERSITY IN PRAGUE	Czech Republic Czech Technical University in Prague	 REGIONAL DEVELOPMENT AGENCY CENTRU	Romania Centru Regional Development Agency
 ADEP PATRAS MUNICIPAL ENTERPRISE FOR LOCAL DEVELOPMENT	Greece Municipal Enterprise for Planning and Development of Patras S.A.	 CIVAM	France Regional Federation of Center Initiatives to Valorize Agriculture and Rural area of Brittany
 Progresit	Slovakia Progresit	 informo	Croatia INFORMO - Association for the employment support, professional education and training
 RRA Mura Regionalna razvojna agencija Mura d.o.o.	Slovenia Regional Development Agency Mura Ltd.	 energia	Portugal Cascais Energy Agency

www.enescom.org



ENESCOM

European Network of information centres promoting Energy Sustainability and CO₂ reduction among local COMMunities

