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SUSTAINABILITY WEBINAR SERIES

How to successfully plan for the future

THURSDAY 27TH MAY / 9.00 – 12.00 CET



*The session will start at 9:00 CEST sharp. You can already join us on slido using the event code **#GRF2050**. Do not forget to turn off your webcam and microphone.*



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How to successfully plan for the future

THURSDAY 27TH MAY

Welcome speech

Christopher Ahlgren, DG CLIMA





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How to successfully plan for the future

C-Track 50: Helping cities lead the way
to a carbon neutral future

THURSDAY 27TH MAY

Andriana Stavrakaki, EPTA SA



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Has your municipality/region taken up the challenge of carbon neutrality (in terms of a commitment, vision or the development of a plan), and if so by when?

 Start presenting to display the poll results on this slide.

Why Carbon Neutrality?

Why should regional/local authorities lead the way towards Carbon Neutrality?

- Their territories are adversely impacted by climate change (and will even more in the future)
- They can have a real impact: cities consume ~80% of the world's energy and produce more than ~ 60% of greenhouse gas emissions
- They are the governance level nearest to the people and their needs and demands
- They have a crucial role in implementing national and EU policies (the EU has already endorsed the objective of achieving climate neutrality by 2050)
- They can facilitate the implementation of sustainable solutions in many sectors
- They have a key role in managing public investments

- C-Track 50 overview, objectives, results and outputs
- Long-term energy and climate planning



C-Track 50 overview

**C-Track 50:
Putting regions on
track for carbon
neutrality by 2050**



The C-Track 50 project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 784974

Who we are



C-Track 50 objectives and activities



C-Track 50 facilitates local and regional energy and climate policy planning, by:

- Mobilising and guiding local and regional authorities in defining long-term energy policy priorities
- Promoting and enabling multi-level governance
- Providing support to regional and local authorities in developing, financing and implementing ambitious integrated sustainable energy and climate policy action plans in order to achieve climate resilience and carbon neutrality by 2050

C-Track 50 results and outputs



Investments on energy efficiency/ renewable energy triggered:
>50 million € approved
>72 million € submitted more on the way...

107 local energy and climate plans for 2050 developed
11 regional plans/recommendation documents developed



~11,000 GWh in energy savings and renewable energy production by 2030

~ 16,500 GWh in energy savings and renewable energy production by 2050

~ 8,500 kt of CO₂ emissions saved by 2030

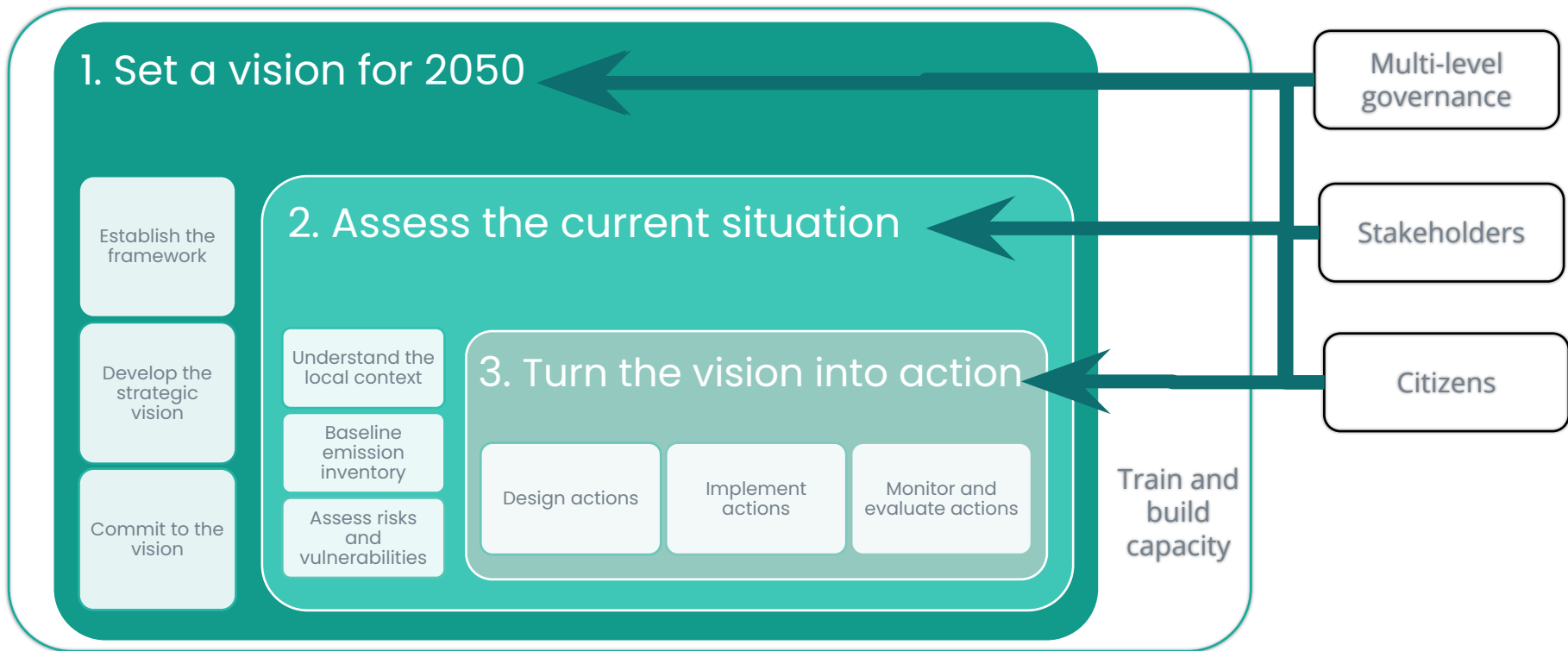
~ 14,500 kt of CO₂ emissions saved by 2050



Hundreds of civil servants built their capacity in energy and climate planning



Long-term energy and climate planning



Long-term energy and climate planning

Key recommendations/considerations for long-term planning for carbon neutrality:

- Set intermediate targets and milestones
- Adopt a holistic approach - consider all key sectors and activities, link and/or align municipal and other relevant plans
- Lead by example
- Embrace the “energy efficiency first” principle
- Maximise the efficient use of renewable resources in your territory
- Promote the best available technologies and solutions, considering local particularities
- Avoid carbon lock in and maladaptation
- Prevent exacerbating energy poverty or inequalities

Long-term energy and climate planning

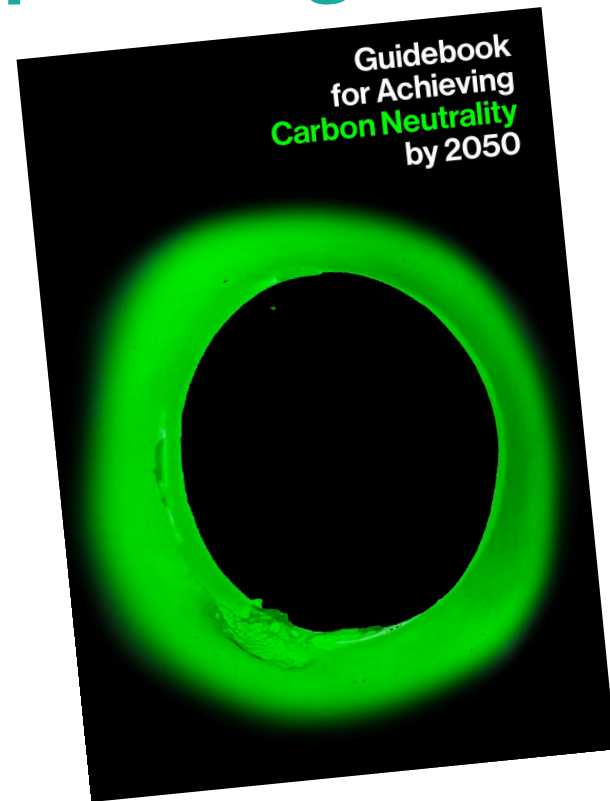
The Guidebook for achieving carbon neutrality by 2050:

- Describes the key steps in the planning process
- Outlines important considerations in each step
- Presents best practices to inspire cities and regions and help them better design actions to take forward in the decarbonisation process

To be published in June 2021

Available in English and another ten EU languages

(Greek, German, French, Spanish, Portuguese, Hungarian, Latvian, Croatian, Romanian and Polish)



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Thank you



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What are the challenges for achieving carbon neutrality in your municipality/region?

 Start presenting to display the poll results on this slide.



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How to successfully plan for the future

Multi-stakeholder approach in energy and
climate planning, PentaHelix approach

THURSDAY 27TH MAY / 9.00 – 12.00 CET

Ana Lovrak, UNIZAG FSB

Ana.lovrak@fsb.hr

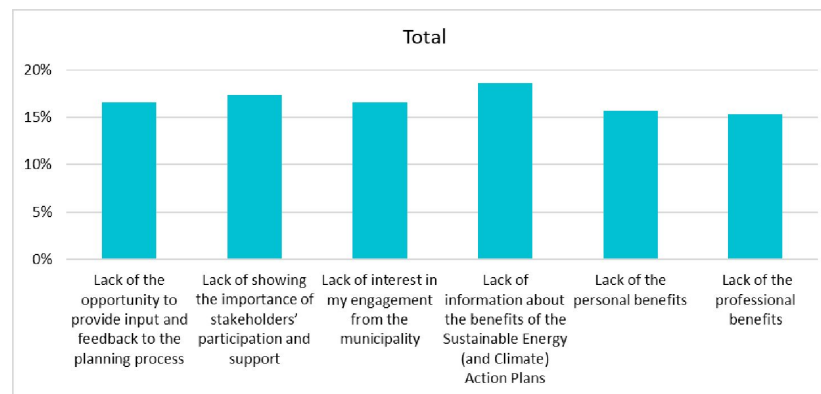


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Rate drivers for the energy and climate measure implementation

 Start presenting to display the poll results on this slide.

Drivers and barriers for the SECAP implementation



More results: Barrier and driver database, www.pentahelix.eu/library/

Stakeholder involvement processes

Taskforce group

- Should be established to structure the involvement process and ensure that all parts of the society are involved
- At least one actor from each of the pillars-public authorities, industry, academia, NGOs and citizens
- Should be included as early as possible in the process and continue to be included throughout the entire process



Application of the PentaHelix approach

Involvement of stakeholders in the co-creation process of SECAP development.

Task force meeting organisation in cities and municipalities:

- Stakeholders propose mitigation and climate adaptation measures
- Stakeholders define the needs of the city or the needs of stakeholders
- They comment and amend the proposed measures
- Task force group define the stakeholders responsible for the implementation of certain measures
- Stakeholders cooperate in the implementation of measures

Benefits of an integrated approach to planning and implementation

- Step up from generic measures to measures tailored to the city/municipality and stakeholders
- Getting a broader picture of the impact of certain measures on other sectors
- Increase of the social inclusion in the implementation of CO2 reduction measures and adaptation to climate change
- Improved coordination of measure implementation
- A plan that presents realistic and preferred measures, and at the same time serves to attract investment

Tips for successful communication

- Create good meeting places
- Ask questions to understand
- Involve others
- Help people see the change in a positive light, using good examples
- Make it easy to make the right choice!

More tips: Communicate the Climate!

www.pentahelix.eu/library/

10 TIPS

for successful and effective climate communication

1. Envision the dream

Visions bring us hope. They are necessary and provide energy for our daily life. The United Nations' Sustainable Development Goals and other long-term goals help us create a common vision to strive for. A common vision for sustainable development in the future empowers us to make changes in the here and now.

2. Ask questions to understand

We need to take our point of departure in the needs and assumptions of the target groups, not on our need to inform. Avoid finger-pointing during a conversation. Ask questions to stimulate curiosity and LISTEN. We can learn more about the values and interests of the different target groups that way. This can help us adapt our message to the different target groups.

3. Involve others

It is therefore wise to communicate through pre-established networks such as the workplace, clubs, associations, special interest groups, housing cooperatives, sports associations etc. This is a way to signal our intention of facilitating eco-friendly choices and that we are many who stand united in those intentions.

4. Create good meeting places

It is easier to create common visions and develop specific activities for climate change if we work as a group.

5. Take advantage of the conflict between what we know and what we do

We know that automobiles are environmental time-bombs, but we always find a good reason to drive to work. We know that exercise is healthy, but we often find an excuse to be lazy. There is great potential out there to change our behaviours and become climate-smart. People really want to do what is right, but we also need to realise that there are opportunities for making good changes in our everyday lives. Our basic needs are basically sustainable. We have acquired much knowledge on how climate change came about, and how we can limit emissions.

6. Make it easy to make the right choice!

Even if our attitudes are climate-friendly, we still hang on to old habits. Forget the attitudes; make it easier to make the right choice! Go straight to behaviour!

Use nudging and behavioural design to create situations where people can change their behaviour more or less subconsciously. As they gradually change their

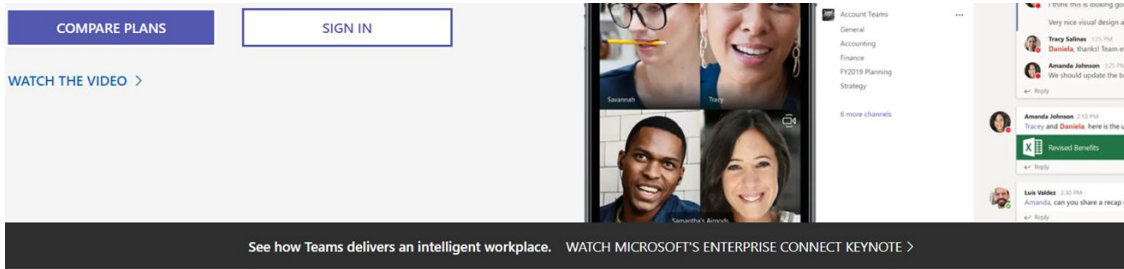
PentaHelix platform

- Online platform for SECAP development
- enables communication and exchange of experiences
- includes free materials that can be used directly without copyright infringement)
- free registration

The screenshot displays the PentaHelix platform interface. On the left, a user profile for Ana Lovrak is shown with statistics: 31 views on posts, 1 comment, 4 users online, and 40 registered users. Below this is a search bar and a navigation menu with categories: CLIMATE FORUM, PHOTOS, VIDEOS, DOCUMENTS, and USEFUL LINKS. The main content area shows a forum post by Inga Kreicmane titled 'Cyclist - it is a harm to the economics - he does not buy a car, fuel and insurance, does not pay for the washing, parking, credit and pills. He is also healthy'. The post includes a 'Like (2)' button and a 'Comment' button. Below the post is another post by Guri Bugge with the text 'How do you treat carbon capture? We received new national statistics today, showing that our forests and grazing areas capture more than 70 % of our CO2 emissions. Do you include carbon capture and storage in your SECAPs and targets, or do you only focus on the emission side?'. The interface also features a 'Choose topic' dropdown, a 'Share your ideas here' section, and a 'POST' button.

Link: <https://pentahelix.eu/climate-forum-7/>

Instead of conclusion



It takes a village to turn ideas into realities

When you have a place to create and make decisions as a team, there's no limit to what you can achieve. Teams brings everything together in a shared workspace where you can chat, meet, share files, and work with business apps.

[SEE THE FREE PLAN >](#) [DOWNLOAD APP >](#)

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Thank you!
ana.lovrak@fsb.hr



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Audience Q&A Session

 Start presenting to display the audience questions on this slide.

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Which European initiatives for climate protection in municipalities are you familiar with?

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energy award

ACTING LOCALLY FOR THE CLIMATE

How to successfully plan for the future

European initiatives for energy and climate action
in municipalities: chances and challenges

THURSDAY 27TH MAY / 9.00 – 12.00 CET

Thekla Heinel, B.&S.U. Beratungs und Service-Gesellschaft Umwelt mbH
theinel@bsu-berlin.de

Charlotte Spörndli, Association European Energy Award AISBL
charlotte.Spoerndli@European-energy-award.org



PENTAHELIX



Covenant of Mayors
for Climate & Energy
EUROPE



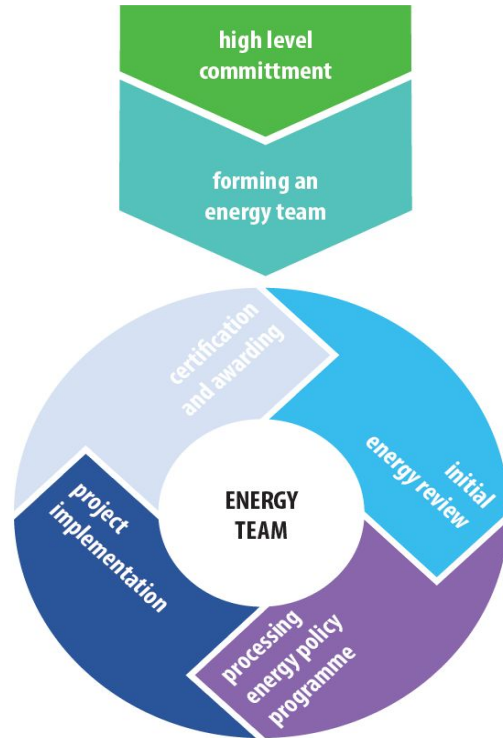
Track50



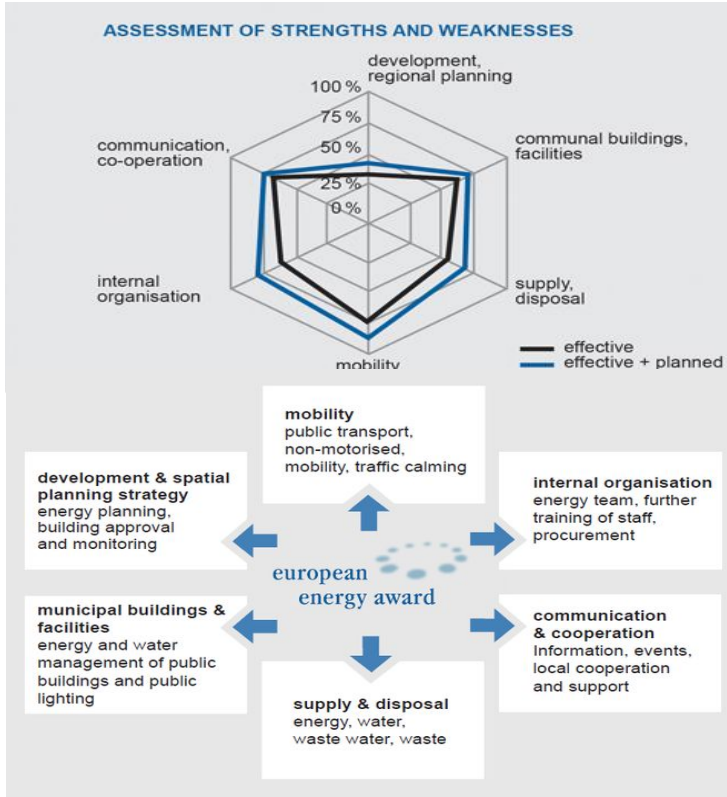
What is the European Energy Award ?



How is the eea process working?

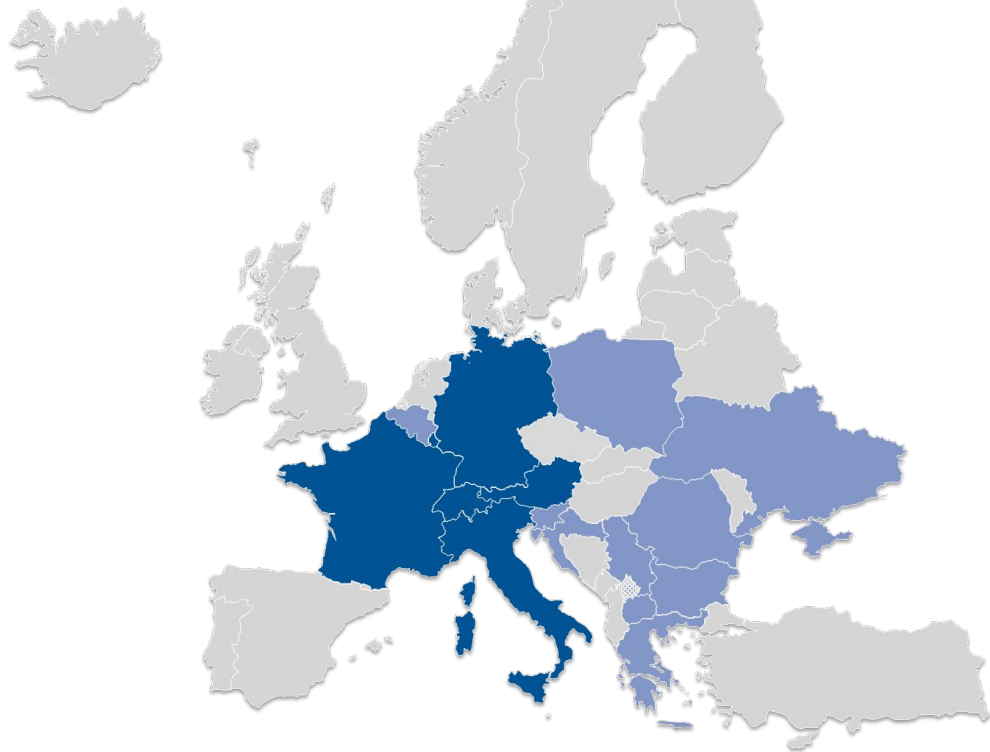


The eea benefits



- For municipalities by municipalities
- Instruments adapted to national AND local context
- Focus on implementation
- Award to increase visibility
- Qualified support throughout the process
- Third party check
- Regular exchange of experience and training
- International benchmark

Which countries are covered?



Dark blue: Ordinary members of the Association European Energy Award:

Austria France Germany Italy
Liechtenstein Luxembourg Monaco
Switzerland



Light blue: Pilot countries

Belgium Bulgaria Croatia Greece
North Macedonia Poland Serbia
Slovenia Romania Ukraine

The Implement project

Introduction of the eea

By introducing the quality management and certification programme **European Energy Award (eea)** in Belgium, Croatia, Greece and Poland, the project aims at setting up the necessary structures in municipalities.

Support of pilot municipalities

30 pilot municipalities will further develop and implement their climate and energy strategy by using the eea standards and criteria catalogue

External advisors

External advisors will guide and monitor the continuous progress while certification will ensure that municipalities implement their climate and energy plans to high quality standards



The Implement project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 754104.

Implement project objectives

- Roll out the European Energy Award quality management system and certification scheme in four EU member states
- Capacity Building: empower municipalities to implement climate strategies based on integrated energy and climate plans
- Measureable energy, CO2 and costs savings as well as increasing production and consumption of renewable energy in 30 pilot municipalities
- Certification of municipalities ensuring quality standards and positive recognition



The Implement project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 754104.

The CoME EASY project



CoME EASY aims to support the engagement of local authorities towards a sustainable energy and climate by combining forces of already existing strong energy and climate policy initiatives (e.g. CoM, ISO, Smart Cities...).



The Team

- Association eea and all (long-term) eea countries (Austria, France, Germany, Italy, Luxembourg, Romania, Switzerland)
- 18 Ambassador municipalities from these countries
- 39 roll-out municipalities, representing a population of 6.2 Mio.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 785033.



Combine forces of eea and CoM Europe

Strong similarities in process and methodological complementarity



CoME EASY project results



www.come-easy.eu

TOOLS DEVELOPED

Assess trends:

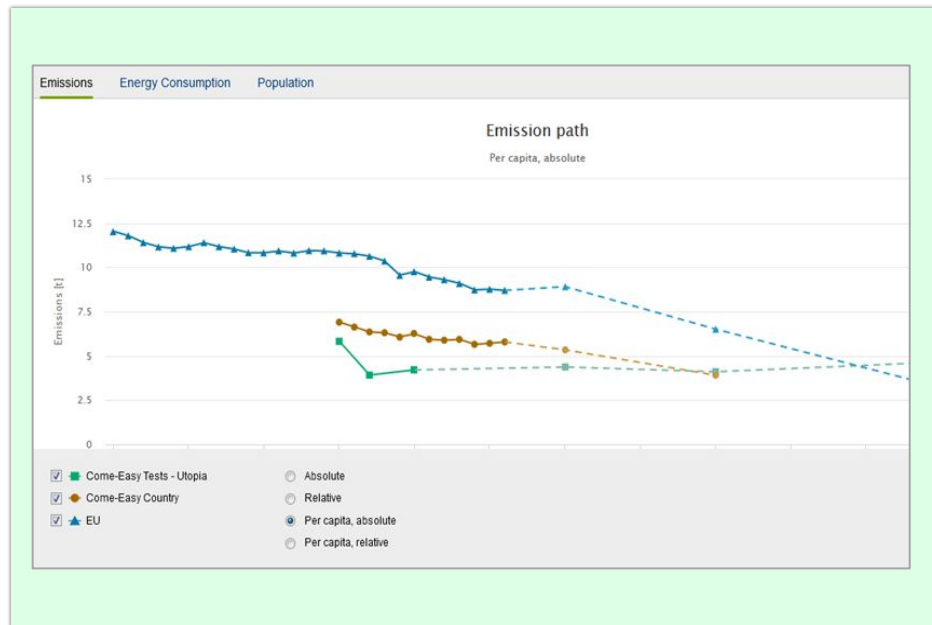
- Emission Path tool

Facilitate reporting:

- SECAP creator / Iso facilitator
- Mitigation impacts calculator
- Buildings database

Benchmarking:

- Best Practices library
- KPIs dashboard
- Stakeholders' engagement guidelines (co-production)



CoME EASY project results



www.come-easy.eu

TOOLS DEVELOPED

Assess trends:

- Emission Path tool

Facilitate reporting:

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Benchlearn:

- Best Practices library
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- Stakeholders' engagement guidelines (co-production)

Come Easy Mitigation Calculation Tool

Horizon 2020 European Union funding for Research & Innovation

Community Name	QUANTITY				Energy and CO2				
	Specific results available (in the	Quantity affected	Quantity total	Unit	share affected by the	RES production [MWh/a]	Annual Energy [MWh/a]	Annual CO ₂ savings [t]	Total Investment [EUR]
Austria									
Spalzburg									
MUNICIPAL BUILDINGS									
RETROFITTING									
(only) envelope		200	12'000	m ²	2%		100	24	90'000
(only) heating & hot water system				m ²	missing input	-	-	-	-
complete retrofitting (envelope and heating & hot water system)				m ²	missing input	-	-	-	-
APPLIANCES & LIGHTING									
electric appliances				#	missing input	-	-	-	-
lighting				# of bulbs	missing input	-	-	-	-
RES GENERATION									
PV		20		kW		22		11	28'000

Overview Guide BEI MT Results Changelog Sources

Long-term cooperation eea and CoM



David Dierckx General for Energy

Bonnels, 14/07/2019
TRENDSIG/ENER/EA/EC/2019/1818
Mr Walter Schlemann
President of the Council, European
Energy Award e.v.,
c/o Enerdan Energy AG
Oostenhofgasse 1
CH-8001 Zürich

Subject: Letter of Recognition

Dear Sir,

We are pleased to confirm that the European Energy Award® can be recognized as an effective implementation tool for Sustainable Energy Action Plans (SEAPs) in the context of the Covenant of Mayors. In doing so, the European Commission acknowledges the quality management and certification system of the European Energy Award® which has been developed within previous European programmes.

We acknowledge that there is a high synergy and good convergence between the European Energy Award® and the Covenant. As the signing of the Covenant entails some specific commitments that are likely to be reflected in the cities action plan and activities, European Energy Award® cities that wish to join the Covenant might consider the following activities in order to make sure that they are in line with the Covenant objectives and requirements:

2009: Letter of recognition by EC to eea, recognizing the eea as **excellent implementation tool** of the CoM



2019: Signing of a Memorandum of Understanding (MoU) between eea and CoM to cooperate closely

2019 – 2021

Development of **CoME EASY tools** for simplifying 'double' reporting
Collaboration eea/ CoM on **automatic import/export function** between the two online tools

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ACTING LOCALLY FOR THE CLIMATE

Thank you





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How to successfully plan for the future

How regions can reach carbon neutrality:
Different approaches to regional energy planning

THURSDAY 27TH MAY / 9.00 – 12.00 CET

Manfred Hotwagner, EEE Güssing GmbH





PROSPECT2030

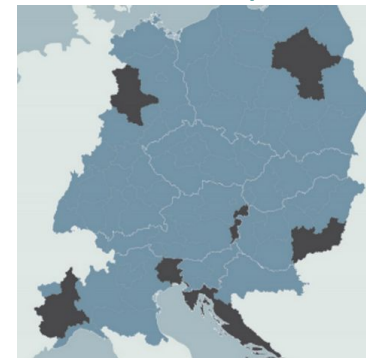


Energy transition

With a better use of public funds and a more efficient energy planning on regional level

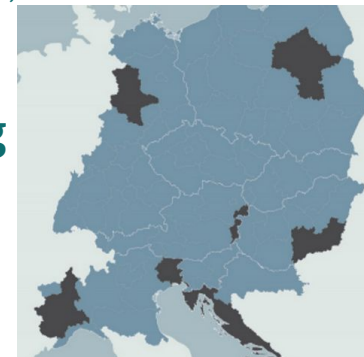
What challenges are we facing...

- 1 Electrification of end-use sectors**
 - to achieve deep decarbonisation
- 2 Transformation of the power system**
 - from one dominated by fossil combustion
 - to one dominated by renewable supply and flexibility in generation, distribution and consumption,
- 3 Energy efficiency measures**
 - to achieve the required carbon reductions.



What are we doing...

- 1 Assessment of the use of public funds in each involved region**
 - A critical look on the 2014-2020 period
 - Developing strategies for future improvement
- 2 Drafting Regional Sustainable Action plans for Central Europe regions**
 - differing backgrounds regarding regional spatial and economy conditions,
 - Differing regulatory framework and levels of governance
- 3 Development of training packages for capacity building**
 - Mutual learning and capacity building materials.
 - Transferring and exchanging good practices on energy planning

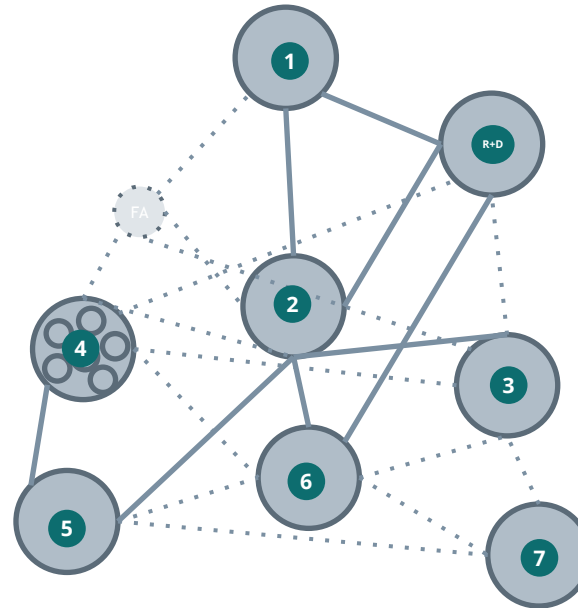
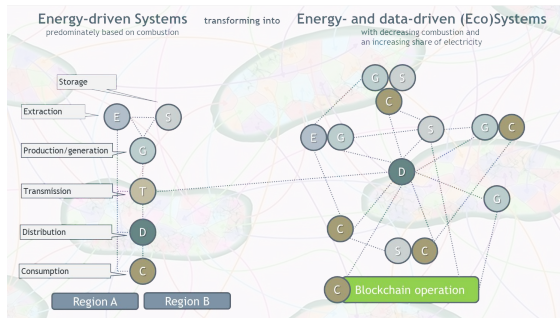


Ecosystem approach:

Macro level top-down ecosystem

Multi-level governance ecosystem

Micro level bottom-up ecosystem

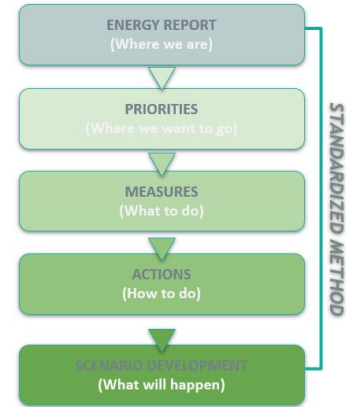


- 1 Overarching territorial authority**
Providing framework, resources and structures
- 2 Public energy agency**
Monitoring, planning, communicating, executing
- 3 Subordinated territorial authority**
With or without own development departments
- 4 Associations of subord. terr. auth.**
- 5 Local agencies**
With or without own development departments
- 6 Sectoral stakeholders**
Residents, industry, transport, finance, commerce etc...
- 7 Private planning/consulting comp.**
Acting as agencies or carrying out activities

How are we doing it...

1 Using a standardized method for all types of ecosystem:

- basically applicable on all levels of governance
- providing a target- and readiness- focussed perspective on the regions
- Focussing on the use of available instruments, thus delivering comparable results
- Allowing to estimate roughly effort to impact
- developing and modelling scenarios of the action plan



2 Intense P2P learning & knowledge transfer to cover all types of ecosystems:

- Intense capacity building
- 12 replicant partners joining and contributing



What will we achieve...

- 1 Energy planning in top down ecosystems:**
 - Integration of energy issues as a core aspect in spatial zoning and infrastructure planning
 - Impact on settlement development and public transport
 - Providing, managing or arranging tailored programs and funding schemes to hit the targets
- 2 Energy planning in multilevel-governance ecosystems:**
 - Supporting and managing the development and formation of territorial and sectoral associations, including many stakeholders and citizens (model regions, public-private partnerships, efficiency contracting services etc.)
- 3 Energy planning in bottom-up ecosystems:**
 - Promoting e.g. the Covenant of Mayors initiative or related national approaches
 - Initiating / supporting purchasing associations, where no respective subsidies are available
 - Developing private investment & financing business-models to increase the share of RES

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According to you, what is the most suitable approach for your region?

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PROSPECT2030



<https://www.interreg-central.eu/Content.Node/PROSPECT2030.html>



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How to successfully plan for the future

The implementation of SEA in SECAPs:
general considerations and the
experience of Joint Secap project

THURSDAY 27TH MAY / 9.00 – 12.00 CET

**Maria Pietrobelli, Cras srl – Municipality of San Benedetto
del Tronto**



The implementation of SEA in SECAPs: general considerations and the experience of Joint Secap project



JOINT SECAP project – Planning process and SEA

- Promotes the collaboration among local authorities towards JOINT SUSTAINABLE ENERGY AND CLIMATE ACTION PLAN
- Supported the municipalities along the planning process in defining JOINT ACTIONS ON ADAPTATION
- Comprises 4 Italian + 4 Croatian target areas

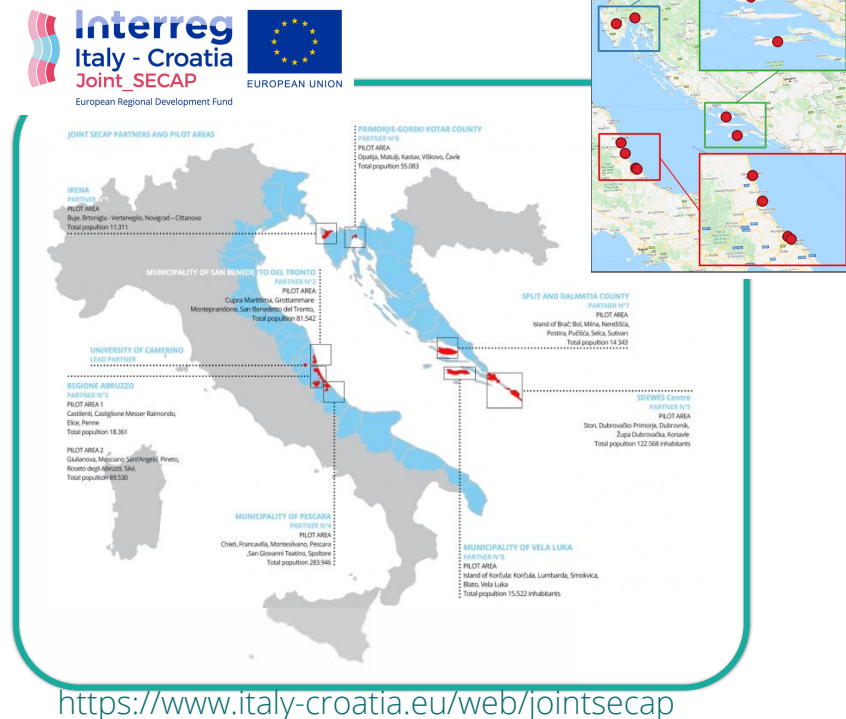
including the one led by San Benedetto del Tronto

Tronto

...and SUGGESTED TO INCLUDE SEA IN THE PLANNING PROCESS

..... an important added value

WHY?



SEA implementation to SECAPs: why YES & why NOT

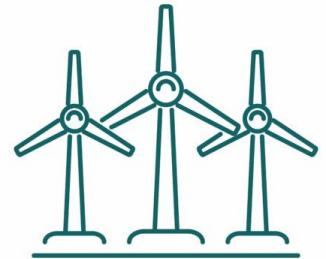
SEA DIRECTIVE (42/2001/CE) art.2

“An environmental assessment shall be carried out for all plans and programmes, which are prepared for agriculture, forestry, fisheries, **energy**, industry, transport, waste management, **water** management, telecommunications, tourism, town and country planning or **land use** and **which set the framework for future development consent of projects listed in Annexes I and II to the Directive 85/337/EEC**” (subject to Environmental Impact Assessment).

“...the debate is opened and SEA application to SECAP is not taken for granted at all...”

WHY YES

- SECAPs concern many of the fields mentioned by the norm, such as energy, transport, land use,...
- SECAPs provide exactly the framework for works subject to further authorization procedures (including EIA) such as flood defense, renewable energy plants, transport infrastructures,...



SEA implementation to SECAPs: why YES & why NOT

SEA DIRECTIVE (42/2001/CE) art.2

“An environmental assessment shall be carried out for all plans and programmes, which are prepared for agriculture, forestry, fisheries, energy, industry, transport, waste management, water management, telecommunications, tourism, town and country planning or land use and which set the framework for future development consent of projects listed in Annexes I and II to Directive 85/337/EEC” (subject to Environmental Impact Assessment).

WHY NOT (...what happens in practice...)

- SECAP are strongly oriented to environmental (and energy) sustainability...*starting from their name!*
- SECAP are voluntary plans, additional to the ones regulated by national laws

In spite of their voluntary origin and environmental focus, SECAPs should be submitted to SEA, as well as...

- Sustainable Urban Mobility Plans (SUMP)
- Management Plans of Natural Protected Areas
- Local energy plans

The EU framework is not homogeneous! We see very different law interpretation!

There are also examples of SECAP submitted to SEA, such as : Milan (ITA, 2018), Dundee (UK, 2019)

THAT'S NOT FINE!

SECAP peculiarities and opportunities from the SEA

- SECAPs pursue two main environmental goals:
 - *Reducing GHG 40% by the 2030*
 - *Increasing territorial resilience to climate change*
- SECAPs mainly produce positive effects on most of environmental components, such as water, soil, risks; negative interactions are limited to the potential impacts of hard/grey measures on landscape and biodiversity
- SECAP is not prescriptive (does not affect directly property rights),
- SECAPs combine measures from other planning and programming tools
- SECAPs include many SOFT measures under the direct competence of the Municipality, that support the implementation of the former
- SECAPs convey different financial resources to tackle climate change.

- SEA allows to describe explicitly the interactions of the planned measures with environmental components both positive and negative
- SEA supports the definition of clear recommendations for the implementation phase
- SEA strengthens the involvement of Environmental Authorities in the planning process
- SEA improves the effectiveness of public participation

...IN SIMPLE TERMS...

- SEA reinforces the environmental benefits of SECAP
- SEA enhance the “administrative solidity” to SECAP by greater involvement of the Institutions

A possible structure of the scoping report

(from the JOINT SECAP Project)





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trevisanis@comunesbt.it; sgariglias@comunesbt.it -
www.comunesbt.it

<https://www.italy-croatia.eu/web/jointsecap>



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Based on your knowledge, what is the situation in your country, around SEA application to SECAP?

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Do you believe that applying SEA to SECAP could really make the Plan more solid and effective? (1 = not at all and 5 = yes, absolutely)

 Start presenting to display the poll results on this slide.

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Audience Q&A Session

 Start presenting to display the audience questions on this slide.