

# Micro-cogénération en Europe

## Conditions de développement et perspectives

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ATEE, Journée micro-cogénération  
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**COGEN**

EUROPE The European Association  
for the Promotion of Cogeneration

# Agenda

- Quelques mots sur COGEN Europe
- Le marché européen de la cogénération
- Le marché de la micro-cogé dans une sélection de pays
- Feuille de Route CODE2 pour la micro-cogén
- Conditions pour l'avancement du secteur
- Cadre législatif communautaire impactant la micro-cogénération
- Conclusions

# COGEN Europe

# Who we are

## Structure

- European trade association for the promotion of cogeneration
- COGEN Europe was established in 1993 and is headquartered in Brussels
- The secretariat employs currently 6 people

## We have a vision

- Through the promotion of cogeneration, to grow an industry which changes the way Europe provides heat and electricity for a sustainable future

## Our approach is

- On behalf of our members we promote the wider use of cogeneration as part of Europe's sustainable energy strategy
- For this purpose we participate in the EU legislative process and meet with key actors in the European Commission and European Parliament
- We work closely together with other stakeholders (see next slide)
- We further our visibility through good working relations with Brussels-based and sector media/press (EurActiv, European Voice, COSPP)

# What we do

- Regular liaison and bilateral discussions with the relevant Commission Directorates-General and staff, including DG Energy, DG Climate Action, DG Environment, DG Research and DG Enterprise;
- A network of links with key Members of European Parliament (MEPs) and by following the work of relevant EP Committees, such as ITRE and ENVI;
- Cooperation and close liaison with other key industry associations (CEPI, CEFIC, FoodDrinkEurope, CEWEP, FuelsEurope, Cerame-Unie, EuroHeat & Power, EHI), renewable associations (EREC, AEBIOM, EREF, EUBIA, EGEC) and city representations (Energy Cities, Covenant of Mayors);
- A set of active internal working groups which formulate and propose COGEN Europe's policy on key topics (e.g. on Energy Efficiency Directive, electricity Network Codes, micro-CHP, bio-energy CHP and on Industrial Emissions Directive);
- European co-funded projects (CODE2 and Ene.field);
- Regular events such as our Annual Conference, EP dinner debates and others.

# Organisational Structure

The organisation is governed ultimately by its General Assembly

General Assembly

Operational management by the Executive Committee ('Board') and the secretariat in Brussels

COGEN Europe secretariat

The members of COGEN Europe

14 National COGEN Associations

11 Pan European Members

43 Associate Members



# Members in Europe

COGEN Europe represents:

- 11 Pan-European Companies



- 14 National COGEN Associations

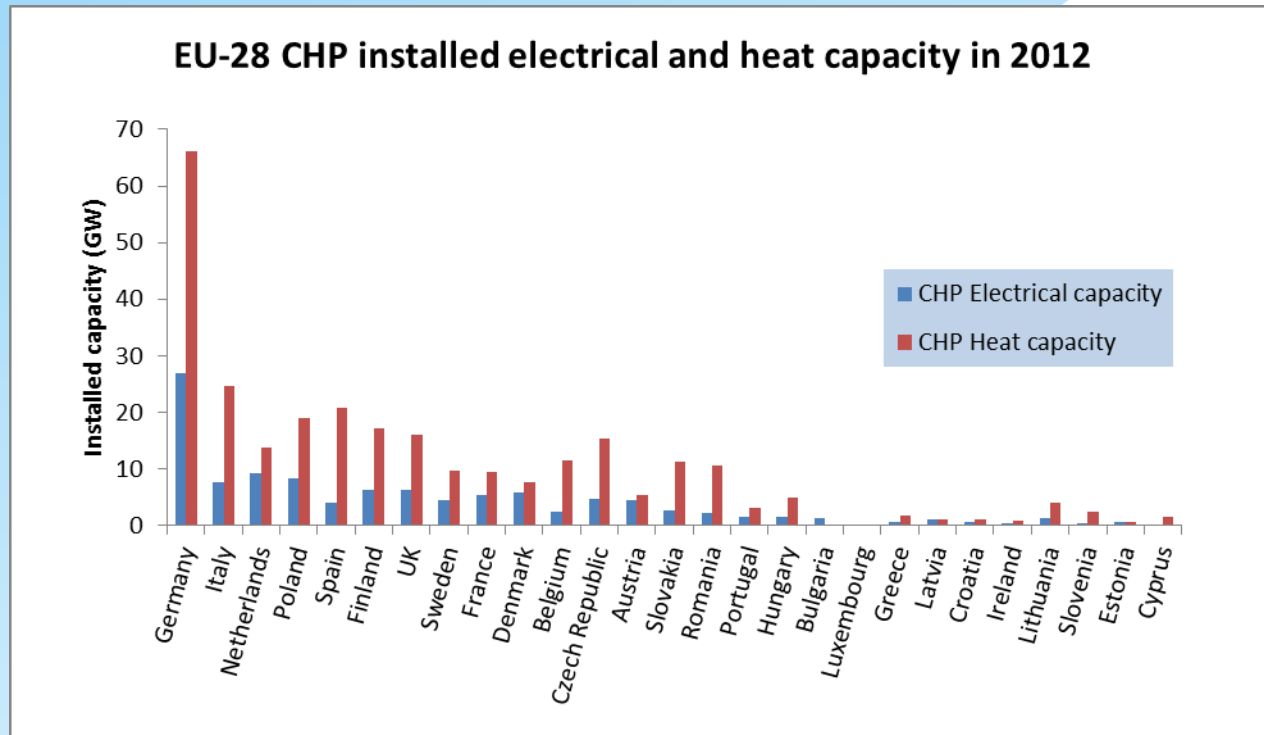


# Marché européen de la cogénération



# Marché européen de la cogénération

## Puissance installée

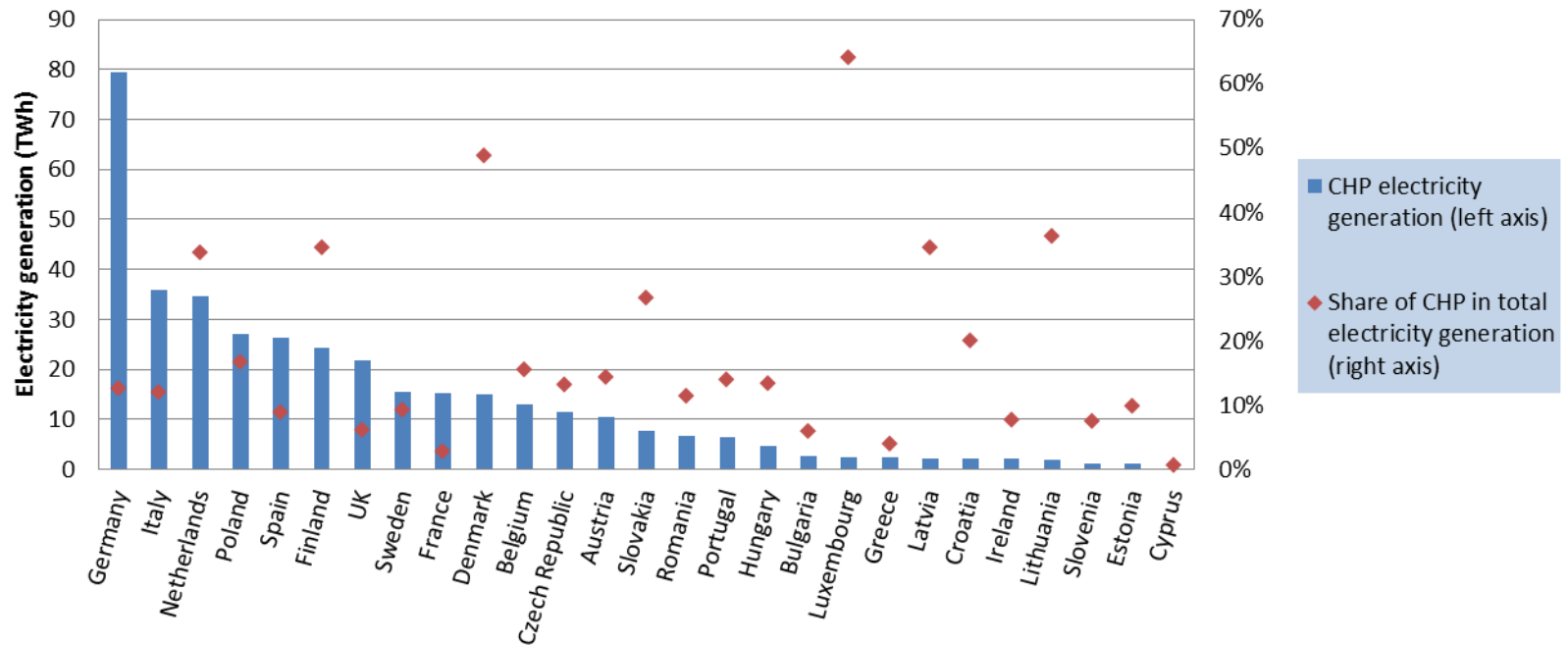


Source: Eurostats, 2014

# Marché européen de la cogénération

## Production d'électricité

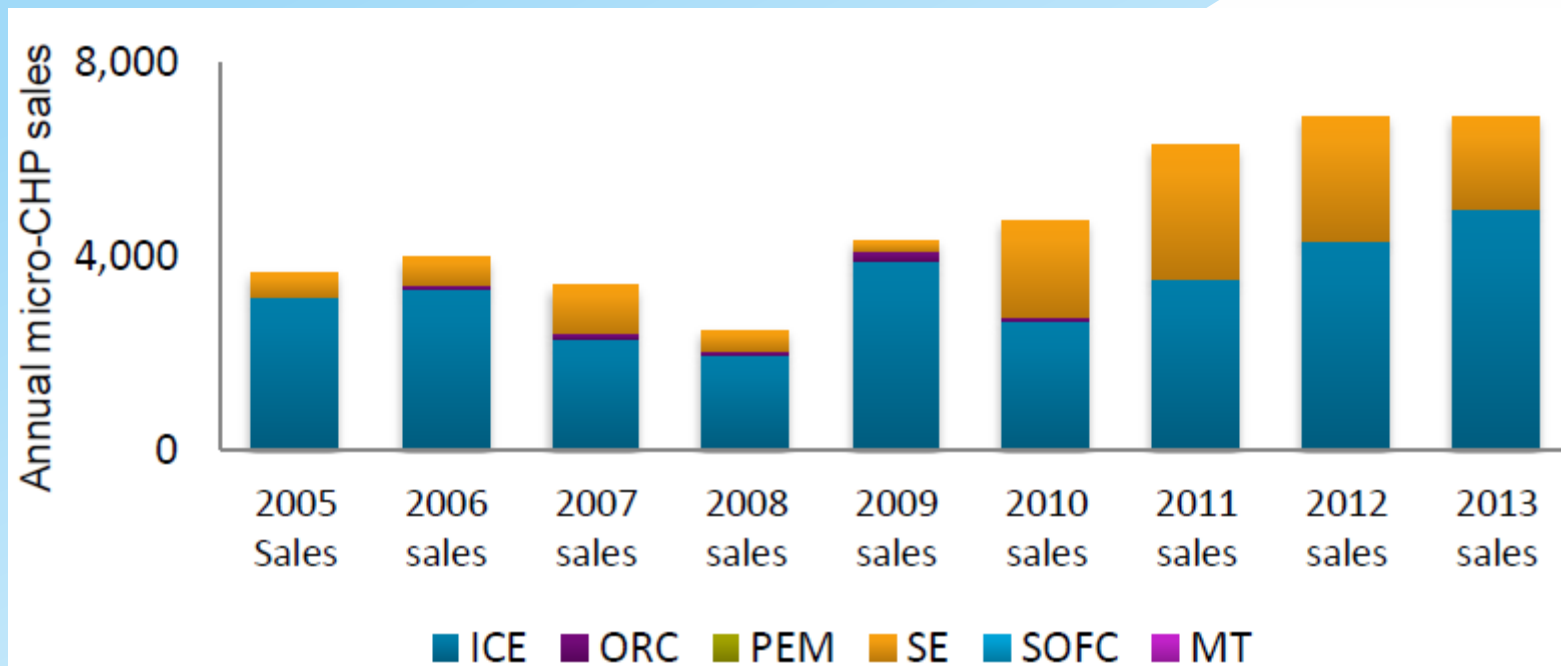
EU-28 CHP electricity generation by country in 2012



Source: Eurostats, 2014

# Le marché de la micro-cogé dans une sélection de pays

# Volume des ventes micro-cogén annuelles en Europe



Source: Delta-ee, June 2013

# Les marchés européens où la micro-cogén est en croissance



Source: COGEN Europe Snapshot Survey, 2014

# Les marchés européens où la micro-cogén est en croissance

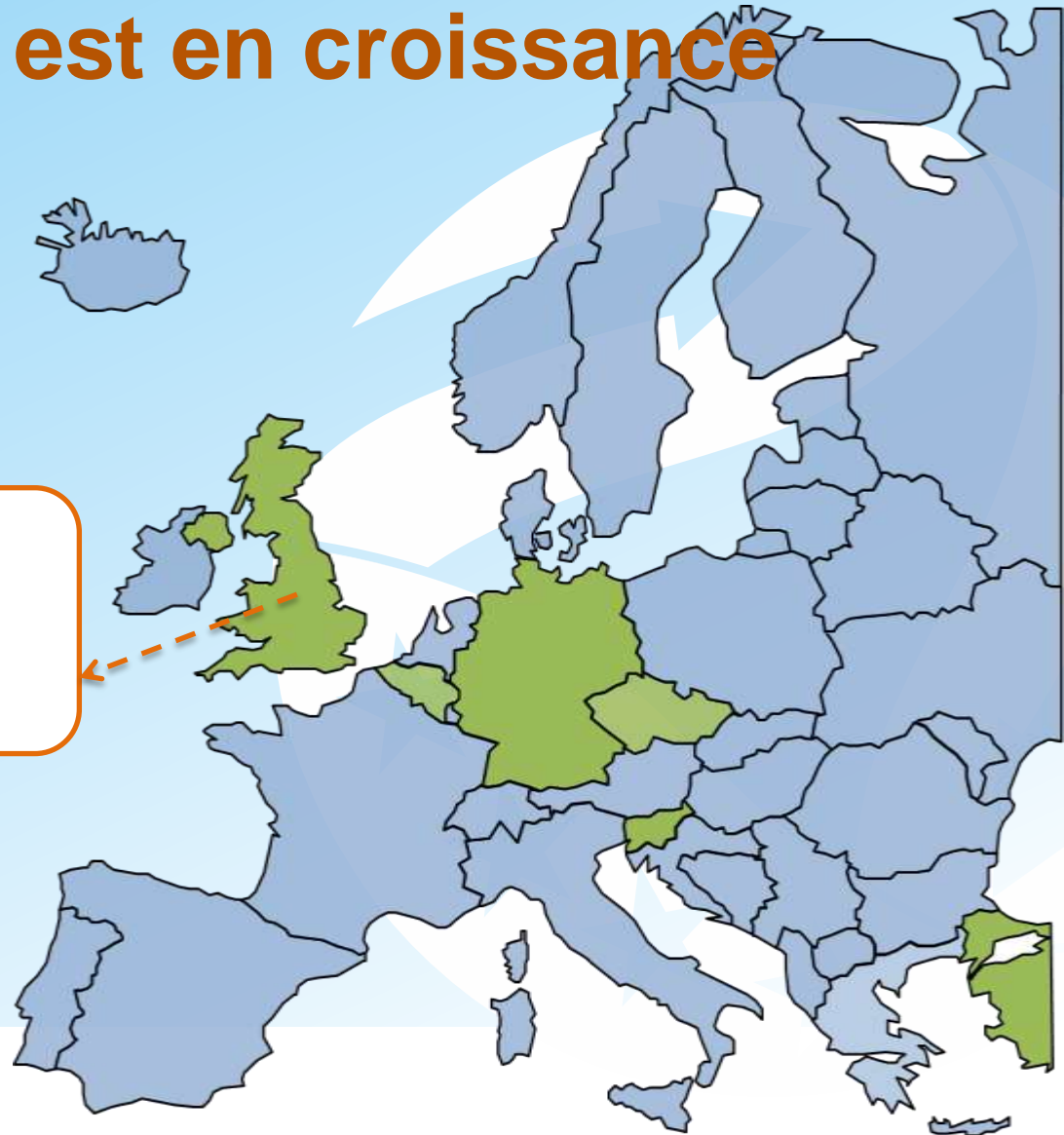
- Bonus pour la micro-cogén de 5.41 c/kWh pour 10 ans/30000 foh
- Soutien à l'investissement pour micro-cogén (<20 kWe) compris entre 1,425 – 3,325 €/unité
- Project Callux

Source: COGEN Europe, 2014



# Les marchés européens où la micro-cogén est en croissance

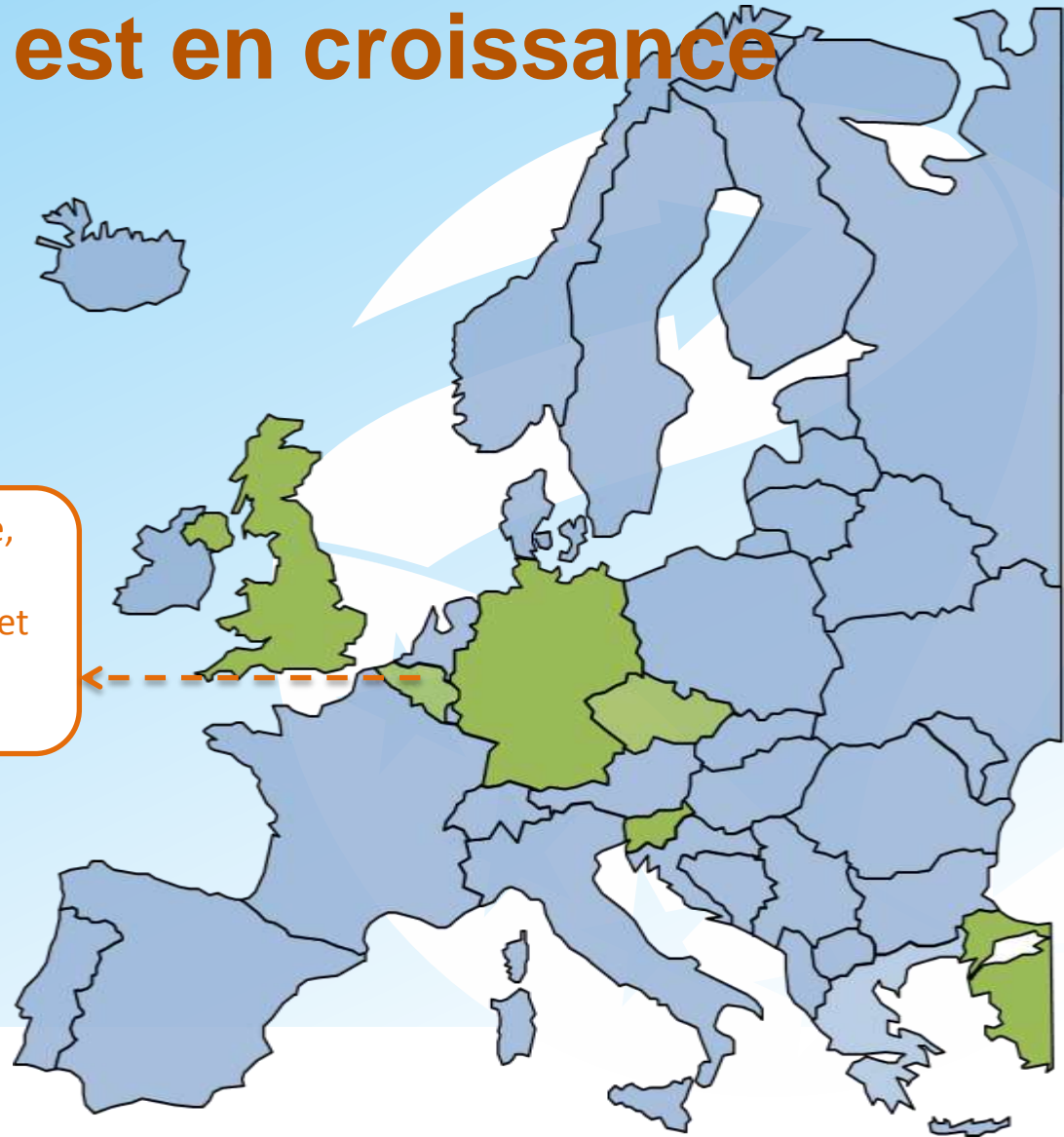
- Tarif d'achat micro-cogén (<2 kWe) de 13.24p/kWh
- Tarif surplus d'électricité exportée de 4.77p/kWh



Source: COGEN Europe, 2014

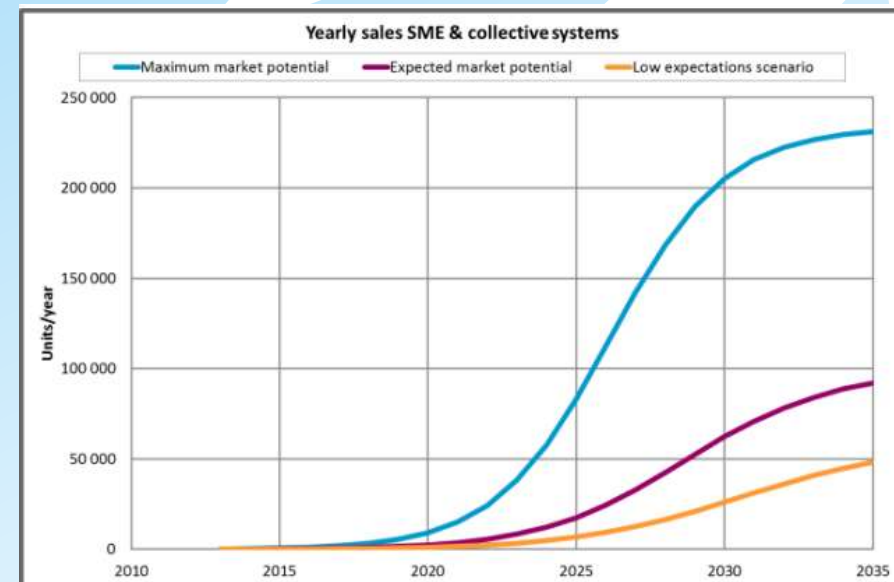
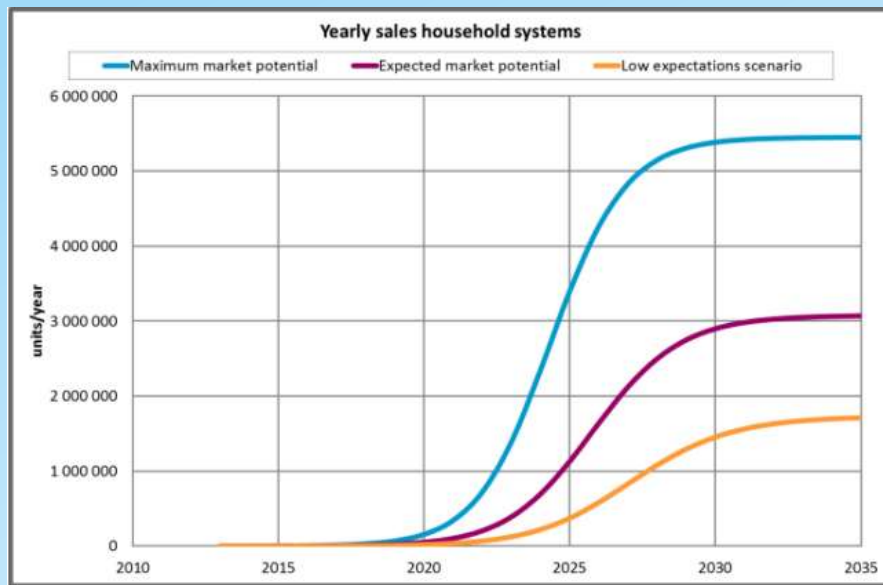
# Les marchés européens où la micro-cogén est en croissance

- Système des certificats verts en Flandre, Wallonie et Bruxelles
- Soutien à l'investissement en Wallonie et Bruxelles



Source: COGEN Europe, 2014

# Feuille de Route CODE2 pour la micro-cogén



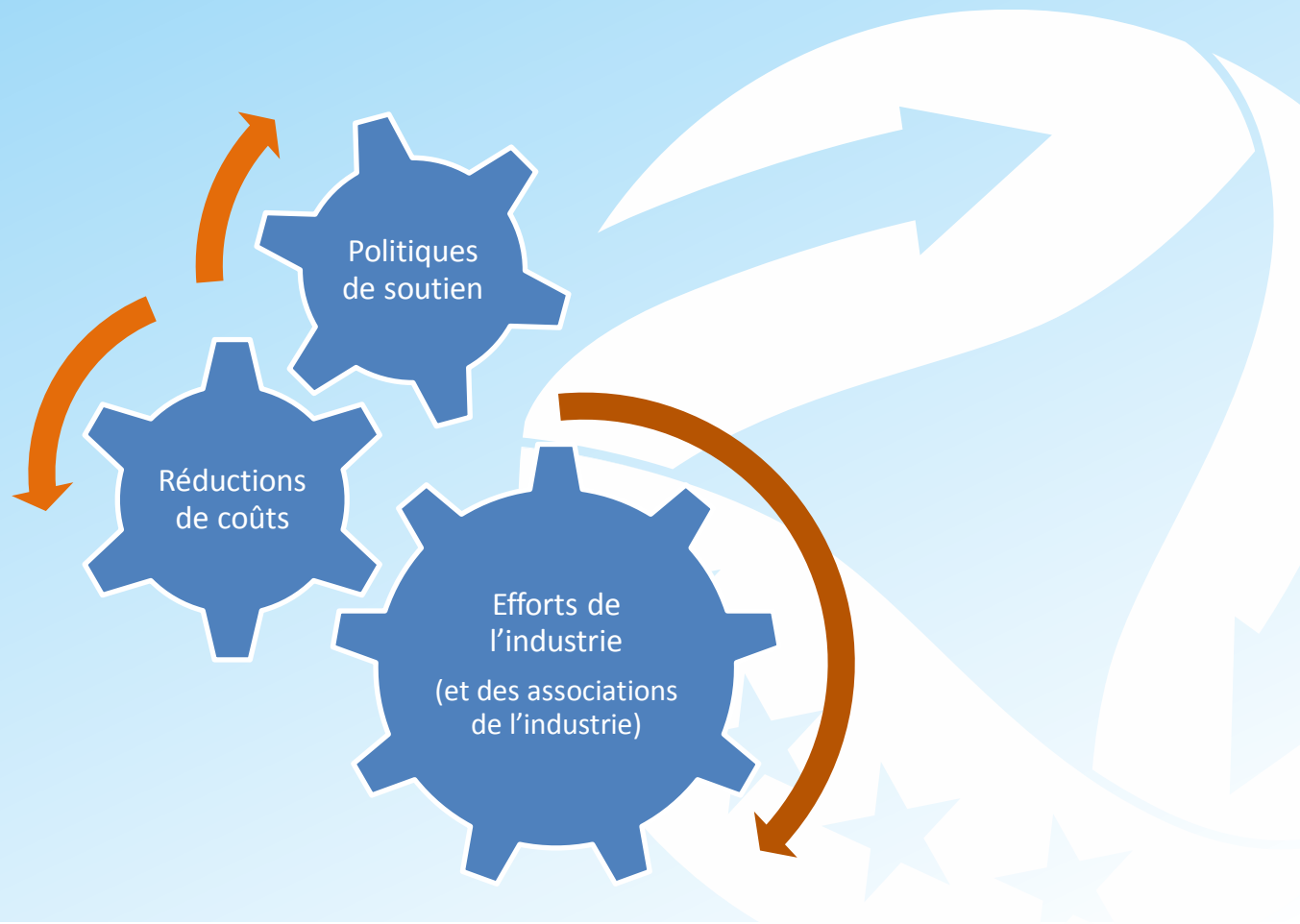
Source: [CODE2](#), 2014

# Feuille de Route CODE2 pour la micro-cogén en 2030

	Ventes annuelles ('000)	Total des unités installées ('000)
UE-27	2,940	14,681
GB	770	3,754
Italie	751	3,784
Pay-Bas	303	1,846
France	291	1,331
Allemagne	231	1,147

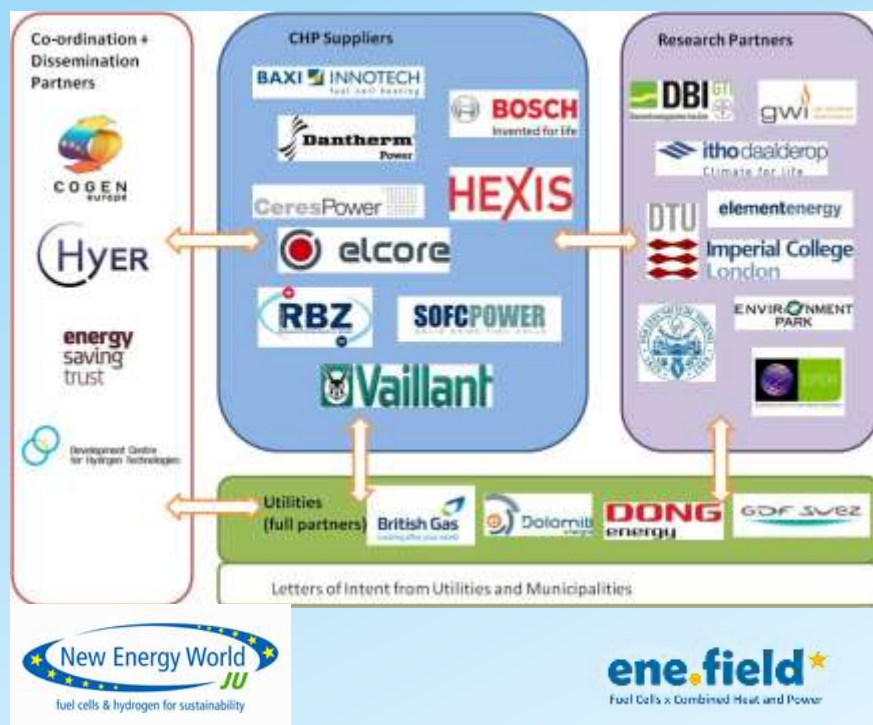
Source: [CODE2](#), 2014

# Conditions pour l'avancement du secteur



# Ene.field

## Partenariat industries-UE



- Project co-financed by the FCH JU
- Industry-wide involvement
- Aims to deploy and monitor up to 1000 fuel cell micro-CHP units across Europe by 2017
- Lifecycle cost assessment, barriers report, commercialisation framework



# Modèle économique innovant de Rehmea

- Rental fee on a monthly basis for 12 years
- Net costs per month €34,-
- Upfront payment (€2000,-) fully covered by subsidy
- After 12 years all savings are for enduser, total savings of enduser after 15 years for an average dwelling: €1100,-



Source: <http://www.deslimsteketel.nl/#remeha-evita>

# Cadre législatif communautaire impactant la micro-cogénération



Politiques de soutien

Energy Efficiency Directive (2012/27/EU)

Lot1 Eco product Design & Energy labelling (813/2013 & 811/2013)

- Network Codes (in progress)
- On the radar!



### Energy Efficiency Directive (EED)

- EED national implementation
- Ensure that micro-CHP is included in the Comprehensive Assessment and Cost-benefit Analysis methodologies
- Ensure that grid connection issues at national level are resolved via Art. 15 (e.g. France)

### Network Codes (NC RfG)

- NC RfG draft submitted to Member States European Cross-Border Committee
- Micro-CHP manufacturers can apply for a “temporary derogation” under the “Emerging Technology Classification”

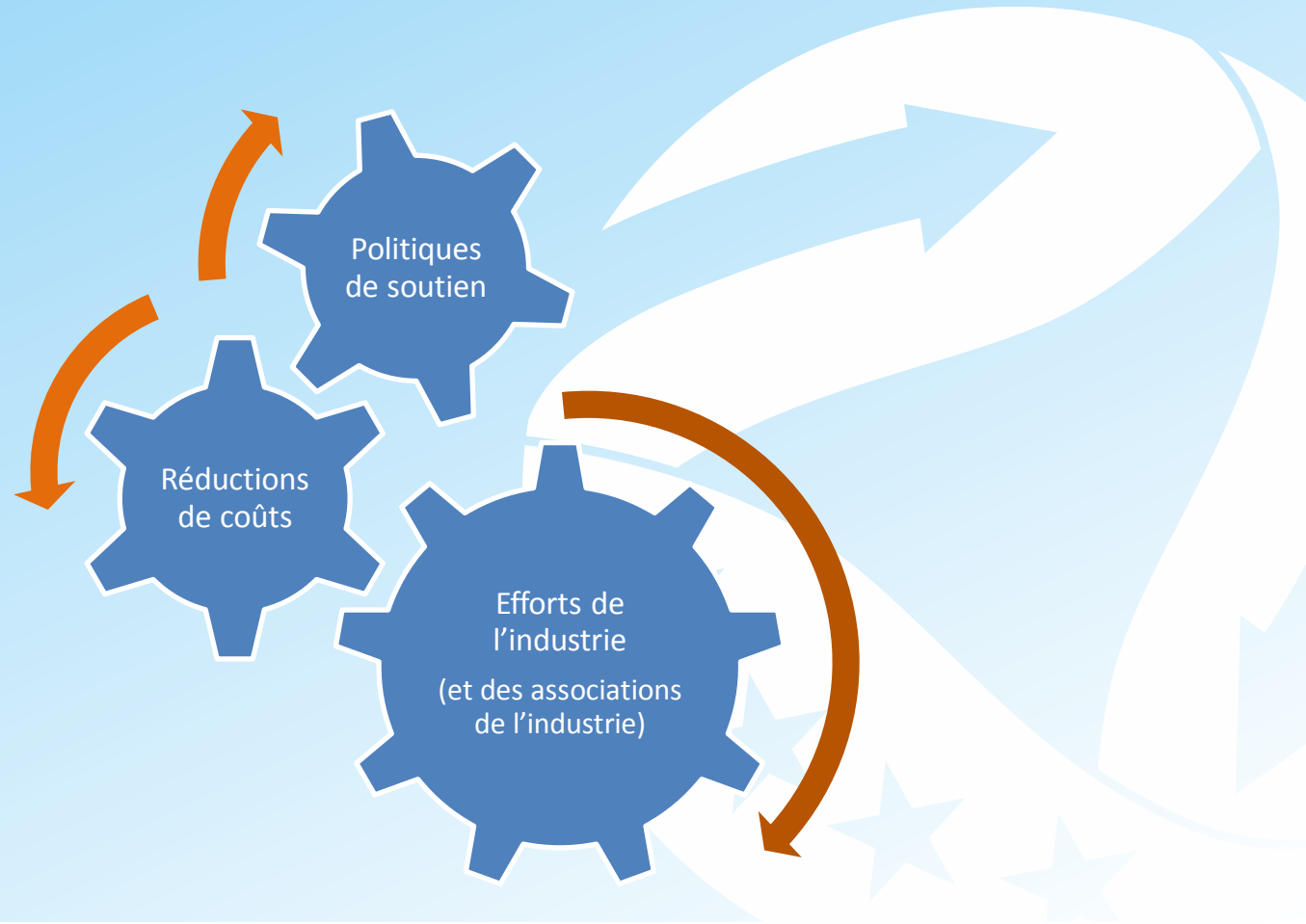
### Energy label

- Implementation deadline: 26<sup>th</sup> September 2015
- Most micro-CHP will receive a label of A+ or higher

### On the radar

- European Primary Energy Factor Review
- Energy Performance of Buildings Directive Review

# Conclusions



# Merci pour votre attention!

## Des questions?

### Contact details:

#### **COGEN Europe**

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Réservez ces dates!





# HEATING AND COOLING

IN THE EUROPEAN ENERGY TRANSITION

BRUSSELS 26-27 FEBRUARY 2015



## European Commission Heating and Cooling High Level Conference, Brussels, 25-27 February

- 25 Feb, 12:30-16:00: COGEN Europe's Micro-CHP Side Event. To register, please complete [this online form](#).
- Detailed programme available [here](#)

# COGEN EUROPE ANNUAL CONFERENCE & DINNER 2015

The main cogeneration event in Europe

19 & 20 May 2015, Brussels



COGEN EUROPE

- Le rôle de la cogénération pour soutenir la croissance, la compétitivité et la sécurité des approvisionnements en énergie en Europe.
- Le rôle de cogénération dans le cadre des objectifs énergétique et climatique de 2030 pour l'UE
- L'évolution du marché de l'énergie et son impact pour les cogénérateurs
- La cogénération comme moteur de l'innovation
- Dernières informations sur les évolutions nationales

Detailed programme available [here](#)

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