



▶ 22 January 2019

# INTERNATIONAL CONFERENCE

BRUSSELS



Mobilizing European Citizens to Invest in Sustainable Energy

#mecise #energydemocracy



Co-funded by the Horizon 2020  
Framework Programme of the European Union

**EREF**

# PROGRAMME

## ▶ 09h00 :

Registration

## ▶ 09h30 :

### Welcome & introduction

#### Welcome

Dörthe Fouquet, EREF (DE)

#### REScoop.eu – European federation of renewable energy cooperatives

Dirk Vansintjan, REScoop.eu (BE)

#### REScoop MECISE – Mobilising EU citizens to invest in a sustainable energy

Karel Derveaux, Ecopower (BE)

## ▶ 10h00 :

### The REScoop-municipality approach

#### Amel & Büllingen – A project jointly owned by coops and municipalities

Achim Langer, Courant d'Air (BE)  
Friedhelm Wirtz, Mayor of the municipality of Büllingen (BE)

#### Eeklo – District heating in the city of Eeklo

Jan De Pauw, Ecopower (BE)  
Ben Caussyn, City of Eeklo (BE)

#### Legal aspects of joint development and ownership

Annelies Verlinden, DLA Piper (BE)

## ▶ 11h00 :

Coffee break

## ▶ 11h30 :

### REScoop financing solutions

**Generation kWh – A cooperative and innovative financing model in Spain**  
Nuri Palmada, Som Energia (ES)

#### REScoop MECISE SCE - Mutual for Energy Communities Investing in a Sustainable Europe

Karel Derveaux, Ecopower (BE)  
Daan Creupelandt, REScoop.eu (BE)  
Maëlle Guilou, Enercoop (FR)

Questions & Answers

## ▶ 12h30 :

Networking lunch

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

## ▶ 14h00 :

### Renewables triggering investments in sustainable energy

**Linking renewables to energy efficiency to make them economically viable**  
Karel Derveaux, Ecopower (BE)

#### Exemplary cases from across Europe

Dirk Vansintjan, REScoop.eu (BE)  
Mark Luntley, Energy4All (UK)

## ▶ 14h45 :

### REScoops taking action on energy efficiency

#### EE projects developed by Courant d'Air

Mario Heukemes, Courant d'Air (BE)

#### Ecotraject, a model to support citizens in making energy retrofits in private homes

Fiene Biesbrouck, Ecopower (BE)  
Members of Ecopower (BE)

## ▶ 15h30 :

Coffee break



▶ online registration

## ▶ 16h00 :

### EU funding opportunities relevant to energy cooperatives

Kamila Paquel, EASME (PL)

### Panel Discussion - What role for citizen investments in Europe's energy transition?

Moderator: Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)  
Alix Bolle, Energy Cities (FR)  
Matthieu Ballu, DG Energy (FR)  
Florent Marcellesi, MEP Group of the Greens/  
European Free Alliance (ES)

## ▶ 17h30 :

### Final conclusions

Josh Roberts, REScoop.eu (US)  
Simone Peters, Bundesverbandes Erneuerbare Energie (DE)

## ▶ 18h00 :

### NEW YEAR'S RECEPTION WITH EREF, EUROPEAN RENEWABLE ENERGIES FEDERATION

EREF  
EUROPEAN RENEWABLE ENERGIES FEDERATION



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Dirk Vansintjan, REScoop.eu

REScoop MECISE – Mobilizing  
investments in a sustainable energy

Karel Derveaux, Ecopower (BE)

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## REScoop financing solutions

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Renewables triggering  
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Linking renewables to energy  
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Panel Discussion -  
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Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)

Energy Cities (FR)

Dirk Vansintjan, DG Energy (FR)

Anna Maria Pajević, MEP Group of the Greens/  
European Alliance (ES)

Dirk Vansintjan, DG Energy (FR)

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# Welcome and introduction

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

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Coffee break



▶ online  
registration

▶ 18h00 :

NEW YEAR'S RECEPTION  
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EREF

EUROPEAN RENEWABLE ENERGIES FEDERATION

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Dirk Vansintjan, REScoop (BE)

REScoop MECISE – M  
zens to invest in a sus

Karel Derveaux, Ecopow

▶ 10h00 :

The REScoop-m  
approach

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▶ 11h30 :

▶ 14h00 :

Renewables triggering  
investments in sustainable  
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Linking renewables to energy  
efficiency to make them  
economically viable

(Small Business, Energy (SBE))

▶ 16h00 :

EU funding opportunities  
relevant to energy  
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Kamila Paquel, EASME (PL)

Panel Discussion -  
role for citizen  
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Josh Roberts, REScoop.eu (US)

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Energy Cities (FR)

Sallu, DG Energy (FR)

Marcellesi, MEP Group of the Greens/  
Free Alliance (ES)

Free Alliance (ES)

conclusions

Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, Bundesverbandes

Erneuerbare Energie (DE)

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# Dörthe Fouquet

## European Renewable Energies Federation



Mobilizing European Citizens to Invest in Sustainable Energy

# Citizens as main driver of the EU energy system transformation

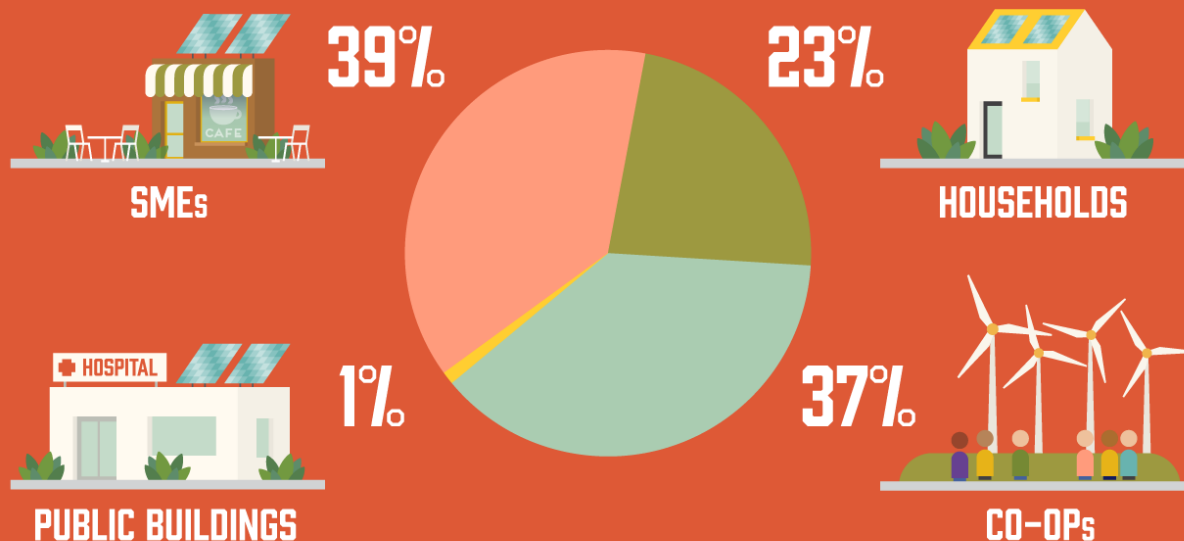
Dr. Dörte Fouquet  
EREF Director



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# From energy consumer to participant

## THE EU'S CITIZEN-OWNED ELECTRICITY IN 2050



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REScoop MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

# Energy markets in the EU: still a non-level playing-field

- Over-capacity from nuclear, gas and coal power stations and capacity markets
- Continued subsidies for nuclear and fossils
- Failed capacity markets designed to be rescue aid for old conventional power plants
- No full internalization of externalities
- No functioning ETS



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# Mobilising European Citizens to Invest in Sustainable Energy

- Transposition of the EU Energy Union into national and local law using a generous interpretation for the promotion of energy citizens
- Stop of any subsidies for conventional energy
- Structured phase out of conventional energy
- Funding schemes for small and medium-sized RE projects (“Think Small” approach)



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# Committed enough?

## Development of NECPs

- Governance Regulation: national energy and climate plans (NECP) for all EU Member States by end of 2019
  - Initial Government draft NECP
  - Public consultation process
  - Assessment by EC in spring 2019
  - Finalisation of national NECP
- Necessity to inform citizens about new opportunities



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Dörthe Fouquet, EREF

REScoop.eu – European  
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cooperatives

Dirk Vansintjan, REScoop.eu

REScoop MECISE – How  
to encourage citizens to invest in a  
sustainable energy future

Karel Derveaux, Ecopower

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REScoop.eu

Conclusions

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Erneuerbare Energie (DE)

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Mobilizing European Citizens to Invest in Sustainable Energy

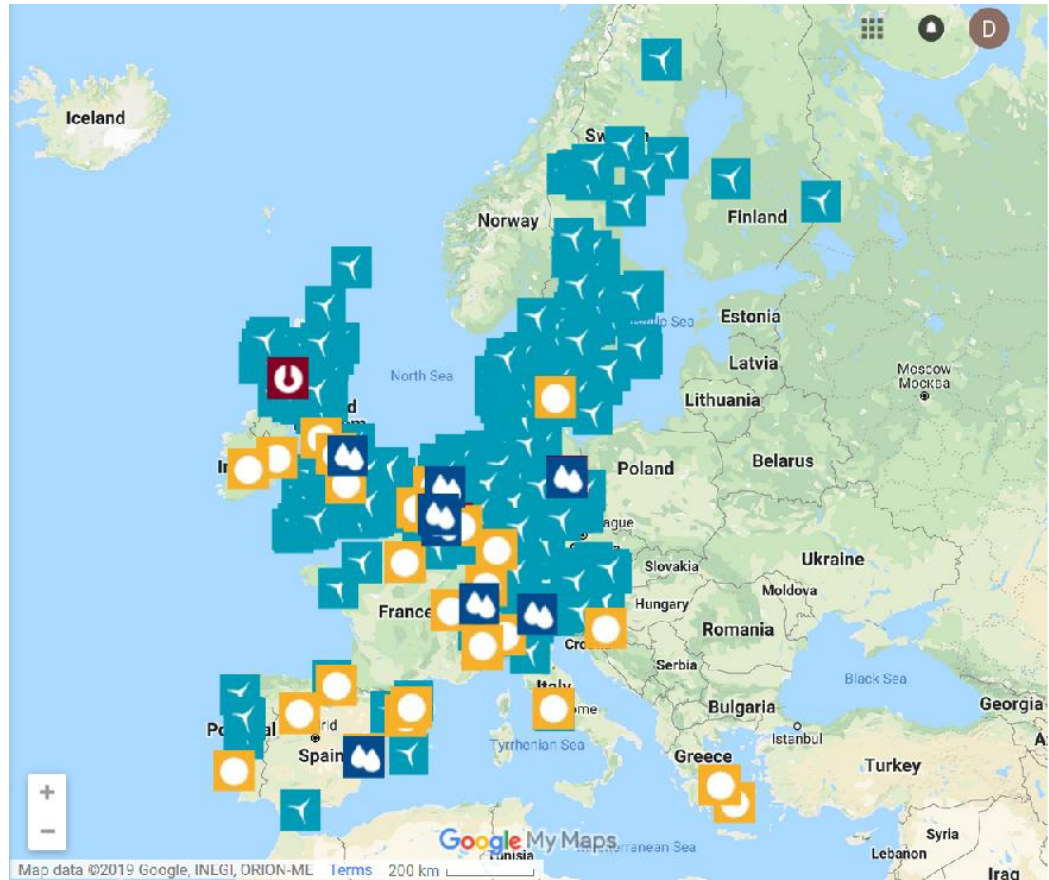
# **REScoop.eu** **European federation of groups and citizens for renewable energy**



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# REScoops in Europe

- <3400  
'citizen energy communities'
- <1.000.000 EU citizens
- different legal entities: co-ops, foundations, ...
- some very young, some 100 y
- most small, some bigger
- more in NW, less in S, none in E
- not-for-profit
- production, distribution, supply of RE, EE services, grouped purchases, EV-sharing, ...
- bottom-up initiatives of citizens, +/- supported by local authorities



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# REScoop.eu federation



- 2008: first contacts
- REScoop 20-20-20 project (Intelligent Energy Europe)
- REScoop Charter ~ ICA principles + commons, fair trade, ...
- 2013 founded
- 1500 members
- growing network
- participation in several EU funded project, like MECISE: tools

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Dirk Vansintjan, REScoop.eu

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Karel Derveaux, Ecopower

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Role for citizen

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# Karel Derveaux

## Ecopower

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

in private homes

Finee Biesbrouck, Ecopower (BE)

Members of Ecopower (BE)

▶ 15h30 :

Coffee break



▶ online  
registration

# Ecopower Supplier Green electricity & RE fuels



- Supply activity = service to cooperative members
  - ~100 GWh/year electricity
  - ~45.000 customers
  - ~2% of households in Flanders
  - 5 stars in Greenpeace-ranking every year
  - Highest score customer satisfaction on the market
  - Linear tariff encouraging EE and installation of PV
  - Av. electr. consumption dropped >50% in 10 years (4500 → <2000 kWh; <3000 non-PV clients)
  - Ecotraject: guidance for deep energy renovation
  - Guidance for wood pellets domestic heating
- Effectively linking RES with EE**

**Dienstverlening energieleveranciers**

	Score Op basis van het aantal klachten	Aantal klachten	Telefoons beantwoord binnen 60 sec.	Kosten vervroegde stopzetting
Ecopower	★★★★★	1 op 23.800	98%	0 euro
Electrabel	★★★★★	1 op 4.900	80%	50 tot 75 euro
Luminus	★★★★	1 op 3.225	80%	50 tot 75 euro
Ebem	★★★★	1 op 1.875	95%	0 euro
Belpower	★★★	1 op 1.495	98,76%	50 tot 75 euro
Nuon	★★	1 op 980	onbekend	50 tot 75 euro
Lampiris	★	1 op 775	98%	50 tot 75 euro*

Gemiddeld verbruik



“This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 649767”.

# MECISE Mobilising European Citizens to Invest in SE

Consortium of established REScoops (>150.000 EU citizens), building on experience and good practice:

- .Develop, finance, build and operate RES projects, as financing basis to foster EE investments
- .Facilitate citizens and local authorities to invest in RES and EE
- .Set up REScoop-dedicated financing structures for RES and EE investments

## Results

.European citizens joining : 50.000

.Yearly 116 GWh RES generated - 16 GWh saved - 35.000t CO<sub>2</sub> avoided



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# MECISE Municipality & REScoop - RES & EE

## Municipality - REScoop collaboration

- .same stakeholders : citizens
- .same goals for climate action
- .complementary skills and capacities



## RES as “engine” for EE investments

- .RES projects generating stable cash flows
- .allow EE investments with low profitability
- .lifetime RES = EPC contract duration



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# Developing RES and EE investments



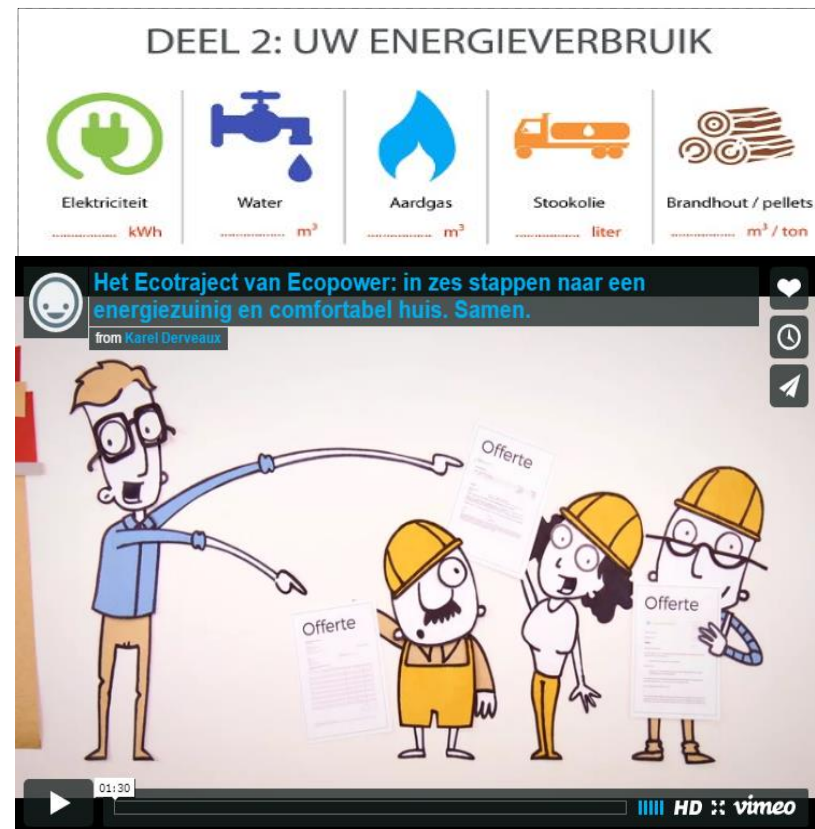
- All stages: from early prospection to realization
- Long lead times : wind > 5 y ; other RES, EE ~3 y
- Pipeline: inception list & newly identified projects
- Investment volume pipeline approx. 150 M€
- Over 110 M€ investments launched:
  - ❖ Wind (UK, Belgium, Spain) ;
  - ❖ PV on buildings (UK, France, Belgium) ; MW-scale PV power plants (Spain)
  - ❖ Hydropower (Belgium)
  - ❖ EE measures in private dwellings, schools, public buildings (Belgium)
  - ❖ District heating (Belgium)



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# EE guidance for REScoop members

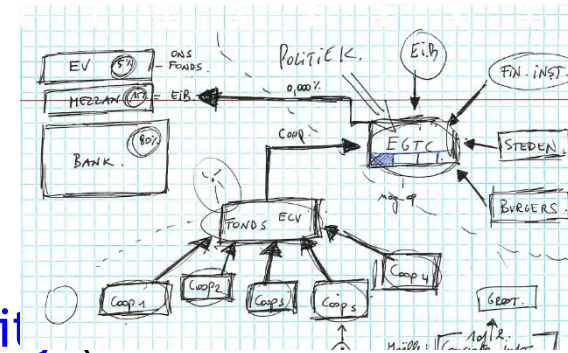
- Replicable for REScoops all over EU  
=> Service to REScoop members at cost price
- Not just information, but “EE guidance” throughout a trajectory from plans to implementation
- Goal is getting citizens to invest in measures that significantly reduce their energy consumption (30 - 50%) and cover the remaining energy needs by RES



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# Dedicated REScoop Financing Vehicle

- Valorise **REScoops strenghts**: financing capacities, know-how on project development and operation, technical skills, local specific regulations and economic conditions, etc
- **Limit financial risk** and operational effort of individual REScoops
- **Start small** size, but flexible to grow in investment size, project type and technology (all RES, EE, storage, grids, transport, etc)
- **Quickly operational**, flexible, dynamic, low operating costs
- Able to operate in **every EU member state**
- Full **control** by REScoops
- **Transparent** structure, **democratic** governance
- **Future options to accommodate non-REScoop equities** (authorities, institutional investors, EU citizens directly)



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# Team



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RES COOP MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

International conference

January 22nd, 2019

#mecise #energydemocracy

# PROGRAMME

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Welcome

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REScoop

of renowa

Dirk Vansin

REScoop

zens to Im

Karel Derve

▶ 10h00 :

## The REScoop approach

Amet & B

owned by

Achim Lang

Friedhelm Wirtz, Mayor of the municipality of Büllingen (BE)

## Eeklo – District heating in the city of Eeklo

Jan De Pauw, Ecopower (BE)

Ben Caussyn, City of Eeklo (BE)

## Legal aspects of joint development and ownership

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# REScoop – municipality approach

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Kamila Paquel, EASME (PL)

Friedhelm Wirtz  
Municipality of Büllingen

Achim Langer  
Courant d'Air

22 January 2015

REScoop  
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WITH EREF, EUROPEAN  
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Mobilizing European Citizens to Invest in Sustainable Energy

# Amel & Büllingen – A project jointly owned by coops and municipalities

## The REScoop-municipality approach

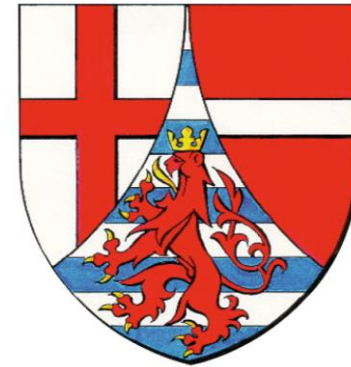
REScoop MECISE – International Conference  
Brussels – 22/01/2019



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# For the municipalities of Büllingen and Amel

*WIRTZ Friedhelm,  
Mayor of the municipality of  
Büllingen*

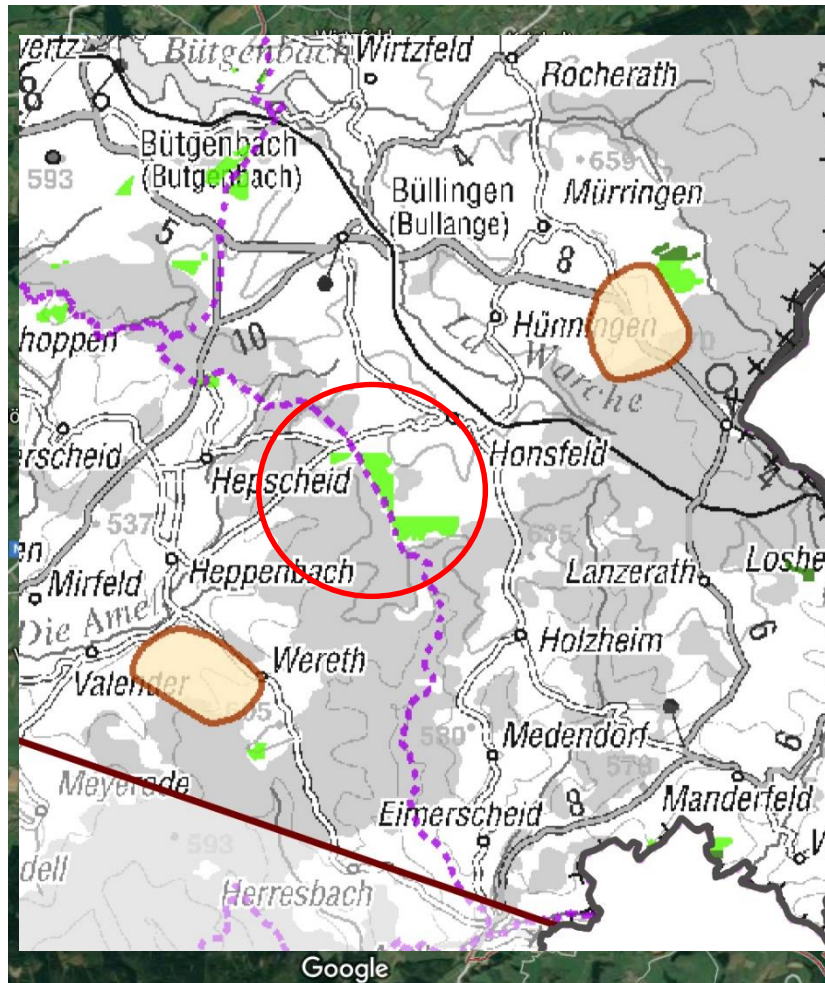


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# A new wind farm: The impulse

- Rural area
- Windy region
- Numerous areas owned by the municipalities
- Experience with wind power: existing wind farm in both municipalities
- 2013: Cartography of positive zones (overlay of excluded zones) has identified the location at the municipal border as potentially favorable.



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# The municipalities take the initiative

- Concertation of the municipalities of Amel and Büllingen on a common approach
- Debate in the councils of the two communities
  - => 2013: Unanimous decisions to push ahead with the implementation of a joint wind farm
- Reservation of grid capacity
- Elaboration of a requirement specification with following call for projects



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# Evaluation criteria of the tender

## Abschnitt 2 : Kriterien

Die Gemeinden erwarten von potentiellen Promotoren eine transparente Projektskizze, die folgenden Kriterien entspricht:

- 1. Transparenz:** Die Gemeinden fordern von jedem potentiellen Promotor absolute Transparenz auf finanzieller Ebene und dies in allen Phasen der Erstellung seines Projekts.
- 2. Bebauung:** Die Gemeinden werden prinzipiell nur Projekte auf öffentlichen Parzellen unterstützen, d.h. Parzellen die Eigentum der Gemeinden sind.  
  
Die Anzahl der zu planenden Windräder muss zwischen 4 und 6 liegen, wobei mindestens 2 Räder auf dem Gebiet jeder der beiden beteiligten Gemeinden eingeplant werden müssen. In einer ersten Bauphase wird die Anschlusskapazität allerdings auf 14 MW begrenzt.
- 3. Erbpachtzins:** Für jedes erstellte Windrad wird ein Erbpachtzins erhoben. Der interessierte Promotor schlägt den Gemeinden ein Pachtkonzept vor. Alle Elemente, welche die Höhe des Betrags rechtfertigen, werden den Gemeinden in einem transparenten Finanzplan mitgeteilt: z.B. wünschen die Gemeinden, dass die Pacht als Prozentsatz des OPEX kommuniziert wird. Der Pachtzins wird in MWh kommuniziert. Falls den Gemeinden kein zufriedenstellendes Angebot kommuniziert wird, behalten sie sich das Recht vor, den Pachtzins mit den Anbietern zu verhandeln.
- 4. Entschädigungen:** Der Promotor schlägt für sein Projekt ein Entschädigungskonzept für die Bau-, Wartungs- und Abbauphase vor. Diese Entschädigung gilt für Flächen, die nicht mit einem Windrad bebaut werden, und dennoch während einer dieser Phasen genutzt werden. Folgende Elemente werden u.a. im Entschädigungskonzept berücksichtigt: Entzug des Nutzungsrechtes über die Teilflächen, die im Erbbaurecht vergeben werden; Ernteausfall für die Errichtung, die spezielle Wartung und den Abbau für eventuellen Schäden, die bei der Errichtung, der speziellen Wartung oder dem Abbau der Windräder auf Flächen die außerhalb der Erbpacht entstehen könnten.  
  
Die Verhandlungen mit den betroffenen Pächtern dieser Parzellen werden exklusiv von den Gemeinden geführt.  
  
Der Preis wird pro ha angegeben.
- 5. Direkte Beteiligung der Gemeinden:** In seinem Projekt schlägt der Promotor den Gemeinden einen Beteiligungsprozentsatz vor. Dieser wird in Prozent geführt.
- 6. Projektentwicklung und Genehmigung:** Der Promotor erstellt ein finanzielles Konzept für die Projektentwicklung und den Rückkauf der Genehmigung (*Rachat-Permis*). Im Falle einer Beteiligung mehrerer Parteien im Betrieb des Parks, wird ein Verteilerschlüssel erstellt. Der Gegenwert der

1. **transparency**, in particular regarding the financial aspect
2. Construction, **exclusively on municipal land**, minimum number of wind turbines
3. **rent**
4. **Compensation** for farmers
5. Level of **participation of municipalities**
6. **Costs of project development** to be borne by the municipalities (if permit)
7. Concept for the **operation of the wind farm**
8. Obligation of the **participation of cooperatives**, these must be independent of the private promoter

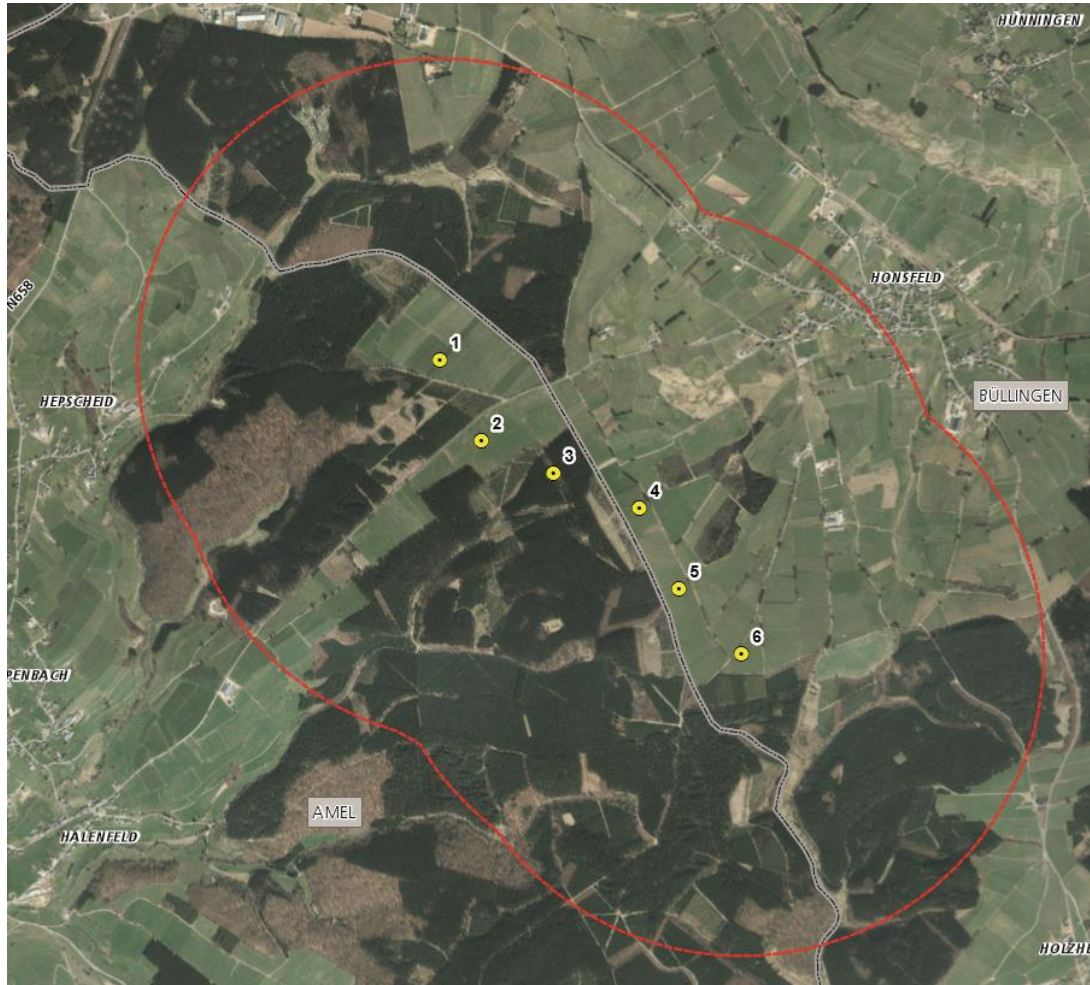
Other: Compliance with the **wind power framework** plan, **involvement of municipalities** in project development,...



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# Involvement of the municipalities in the project development



- Determination of the locations of the wind turbines
- Elaboration of compensation measures
- Negotiations with farmers
- Communication to the population
- ...



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# A straight line right from the start

- Clear pronouncement in favour of renewable energies and wind power in particular
- Explicit wish to enable citizens to participate
- Economic potential for the region
- Structural revenues for municipalities
- Appeal to the citizens to support the project



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# For the REScoops Ecopower and Courantd'Air

*LANGER Achim,  
Member of the Board of  
Courant d'Air SCRL FS*



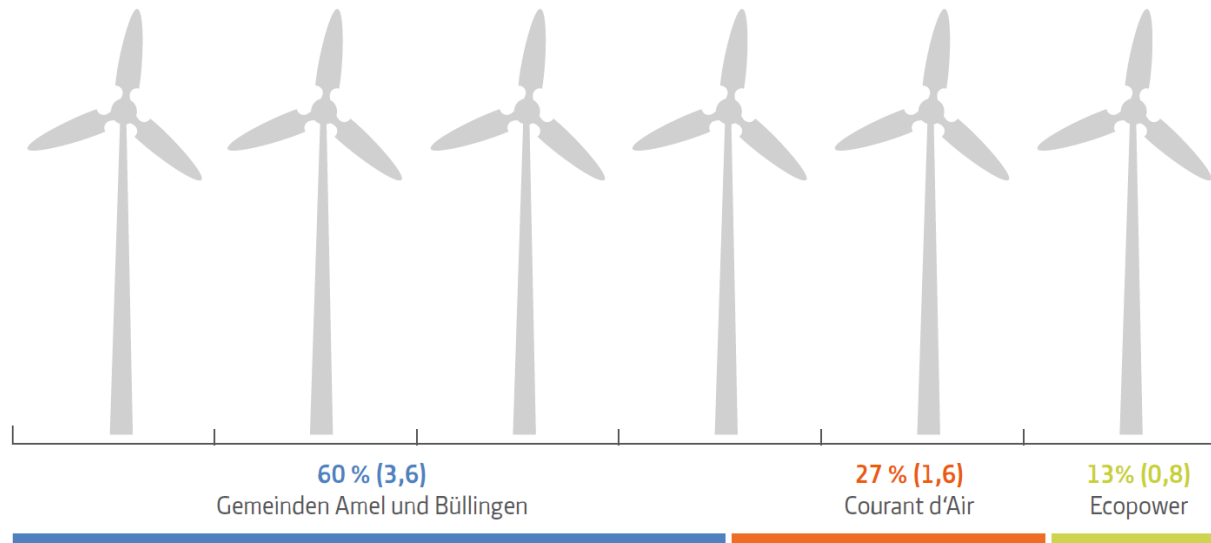
Co-funded by the Horizon 2020  
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# The offer of Courant d'Air and Ecopower

- The strengths of our offer:
  - Competitive in the financial points
  - Full transparency, in particular with regard to the financial plan
  - Maximum participation of municipalities and citizens

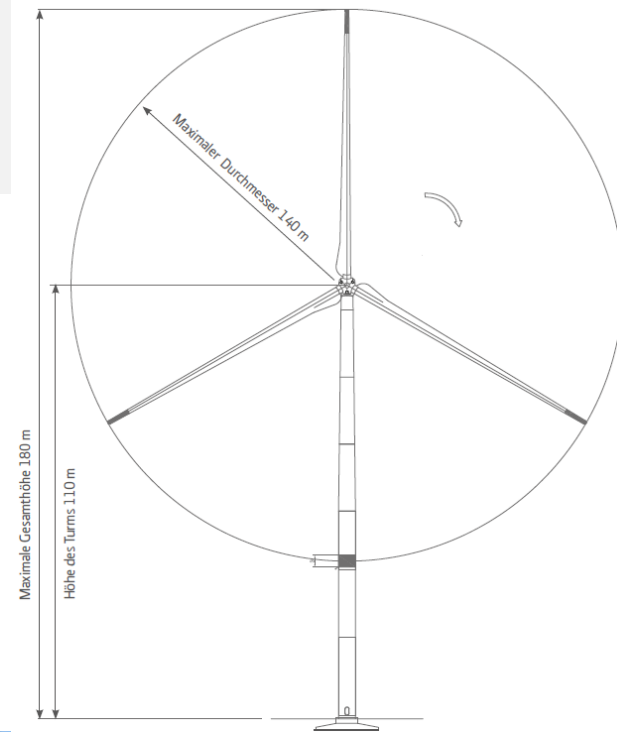


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# The project

- 6 wind turbines - 180m total height - max. 3,6 MW - max. 140 rotor diameter
- 5 in agricultural zone, 1 in forest area
- Park production: 43-56 GWh/year (11,800 households / 18,600 tCO2)
- Investment: 24 Mio €

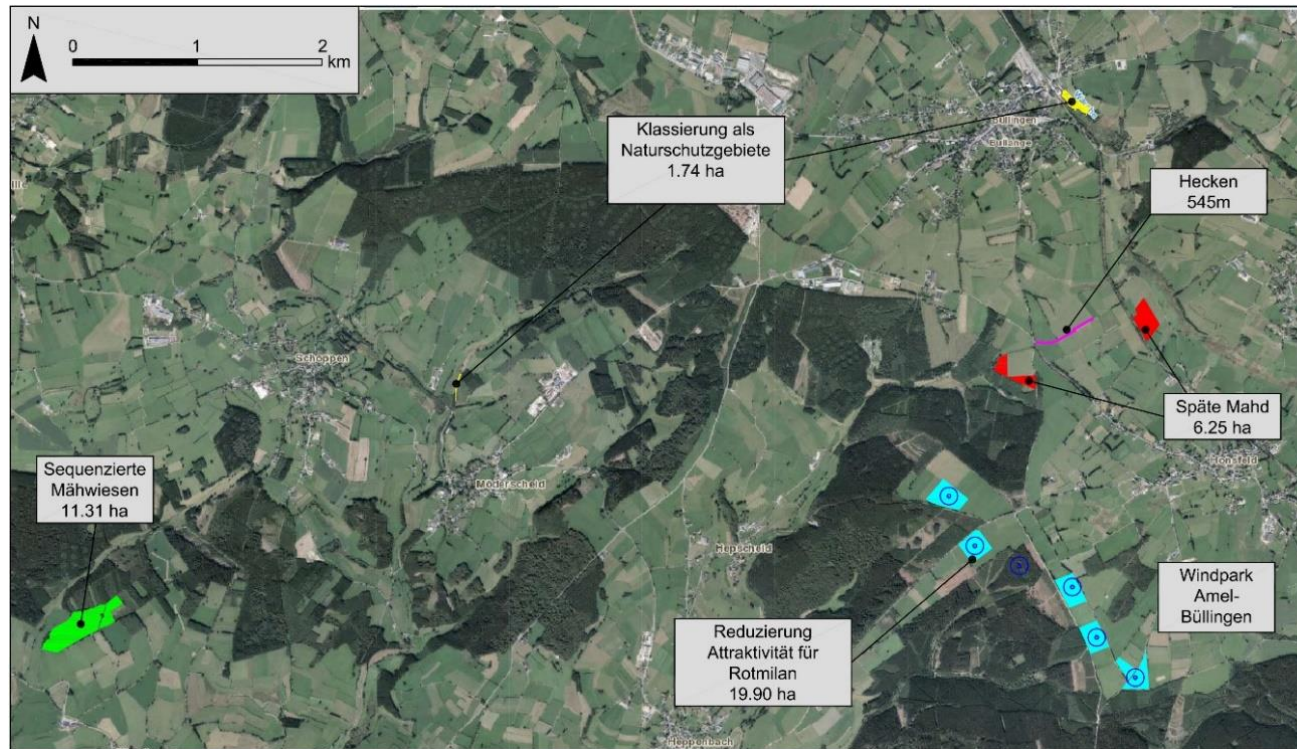


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# Compensation measures for biodiversity

- Elaboration of measures in favor of biodiversity in a working group with local actors: several nature conservation organizations, municipality representatives, project promoters.
- Wish to foresee meaningful and adapted measures
- Agreements concluded with farmers for 40 ha



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# Information for citizens

- Elaboration of a comprehensive information brochure to inform the public about the project in a factual and detailed way.
  - Statements by the Mayors
  - Presentation of the promoters
  - Explanations of climate targets
  - Characteristics of the project
  - Results of the environmental impact study
- Invitation of citizens to inform themselves about the project during an open day in the Courant d'Air offices.



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# Timing

- 2013: Council resolutions
- 2014: Elaboration of a specification sheet
- 06/2015: Call for projects by the municipalities
- 01/2016: Assignment with project development
- 2016+2017: Environmental impact study
- 01/2018: Permit request
- 07/2018: Rejection at first instance
- 12/2018: Authorisation given by Minister Di Antonio (Minister for the Environment, Ecological Change, Regional Planning, Public Works, Mobility, Transport, Animal Welfare and Zoning)
- 12/2019: Start of construction work
- 12/2020: Commissioning of the wind farm



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# With the realization of the wind farm, further energy projects will be implemented

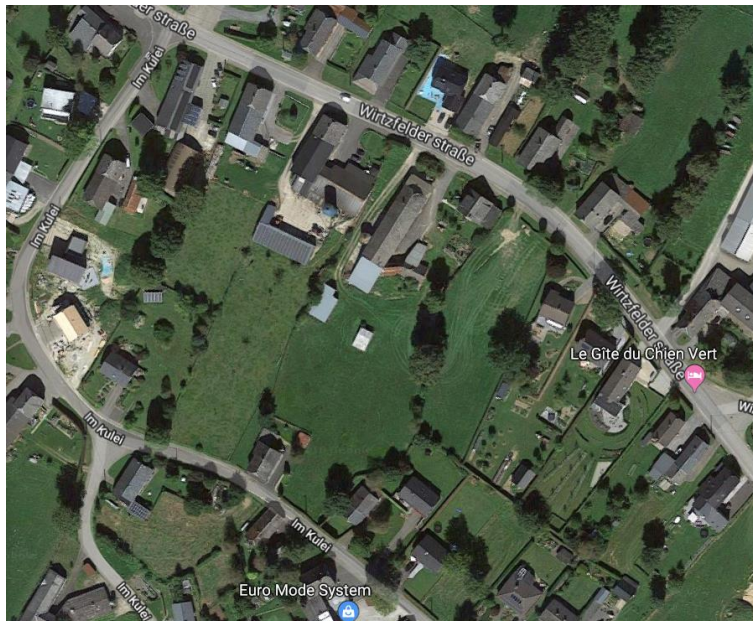
Courant d'Air would like to participate in the implementation of the action plan against climate change (drawn up within the framework of the Covenant of Mayors) through further projects.

Several projects are planned:

- Implementation of an ambitious plan for the installation of 500 photovoltaic installations
- Installation of 10 charging stations for electric cars



- The launch of 2 Carsharing E-cars
- Analysis of the feasibility of wood chip installations with district heating supply



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Thank you for your attention.



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RES COOP MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

International conference

January 22nd, 2019

#mecise #energydemocracy



# PROGRAMME

▶ 09h00 :

Registration

▶ 09h30 :

Welcome &

Welcome

Dörthe Fouquet

REScoop.eu -  
of renewable

Dirk Vansintjan

REScoop MECISE  
zens to invest

Karel Derveaux

▶ 10h00 :

The REScoop  
approach

Amet & Bülling  
owned by coop

Achim Langer,

Friedhelm Wirtz

of Büllingen (B)

Eeklo – District heating in the city  
of Eeklo

Jan De Pauw, Ecopower (BE)

Ben Caussyn, City of Eeklo (BE)

Legal aspects of joint development  
and ownership

Annelies Verlinden, DLA Piper (BE)

▶ 11h00 :

Coffee break

11h00

▶ 14h00 :

Renewables triggering  
investments in sustainable  
energy

Linking renewables to energy  
efficiency to make them

▶ 16h00 :

EU funding opportunities  
relevant to energy  
cooperatives

Kamila Paquel, EASME (PL)

Jan De Pauw  
Ecopower

Ben Caussyn  
City of Eeklo

22 January 2015

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

Coffee break



▶ online  
registration

WITH EREF, EUROPEAN  
RENEWABLE ENERGIES  
FEDERATION

EREF  
EUROPEAN RENEWABLE ENERGIES FEDERATION



Mobilizing European Citizens to Invest in Sustainable Energy

# District Heating in Eeklo

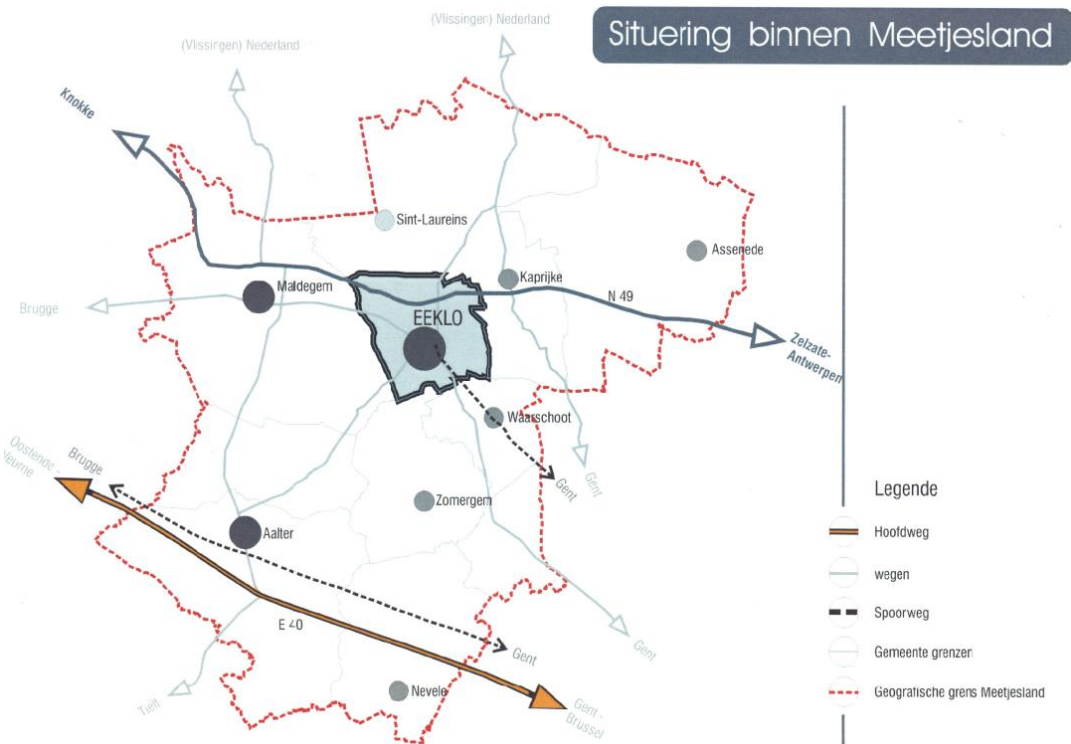
Ben Caussyn | Jan De Pauw  
City of Eeklo



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Framework Programme of the European Union

# Energiek – Eigenzinnig – Echt

## Energetic – Unique – Real



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*Since 1999*

# Award criteria?



- **Building rights**

Financial reward <<< **community benefits**

- **Jury – external partners**

- Technical quality of the project (noise?)
- Financial participation of the citizens
- Financial benefits for the city
- Environmental & social benefits

# City council decision

up to 50% direct participation citizens

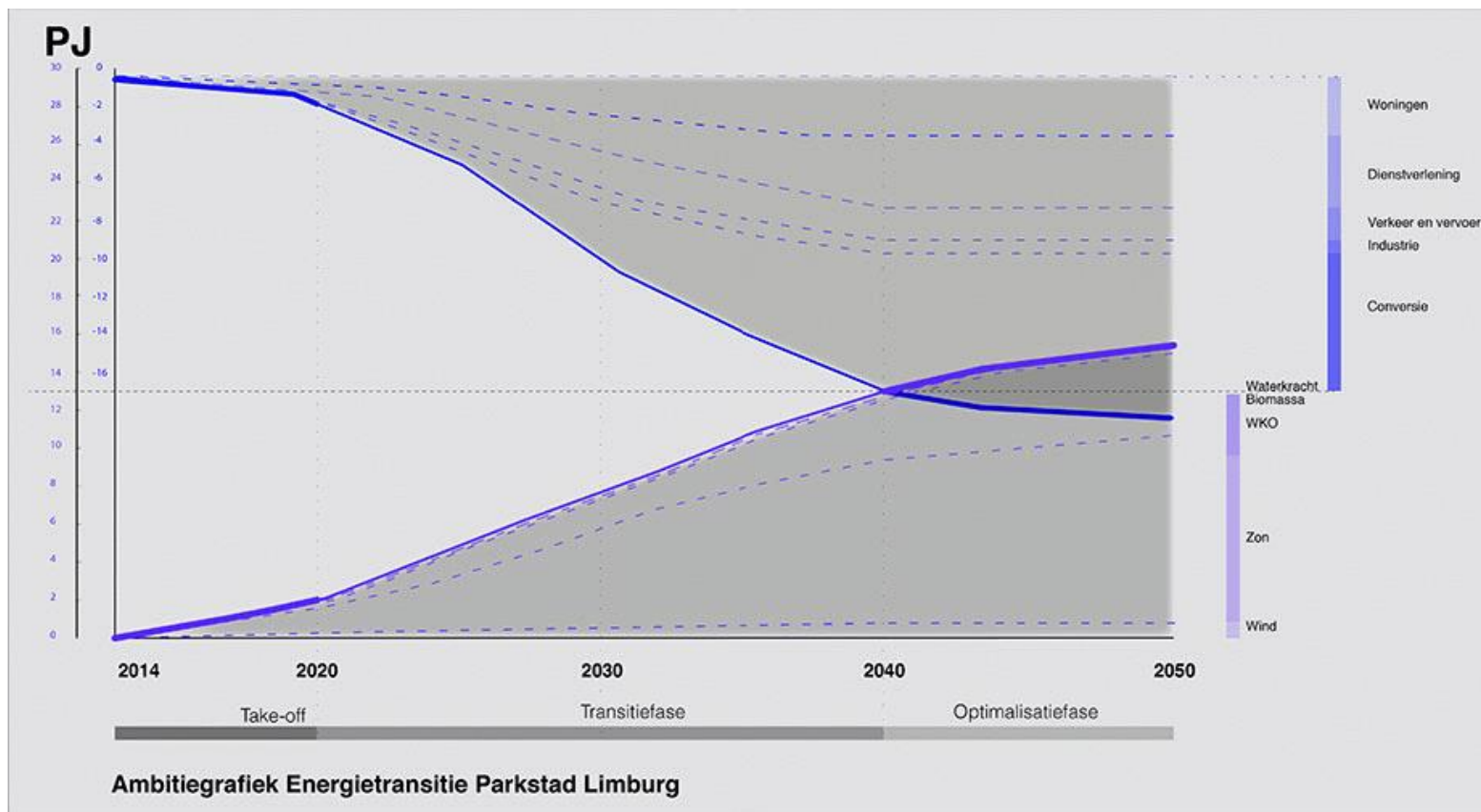


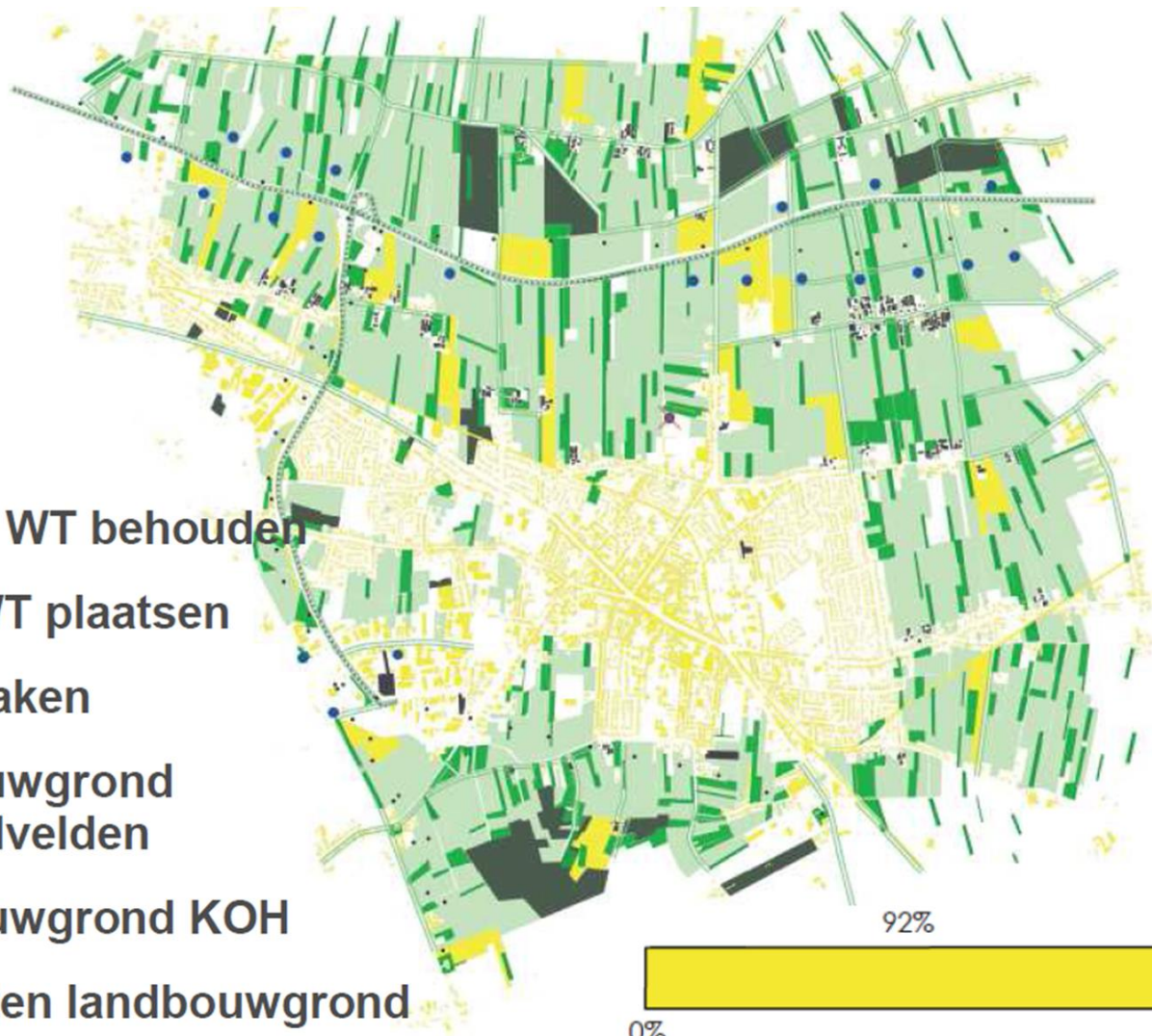






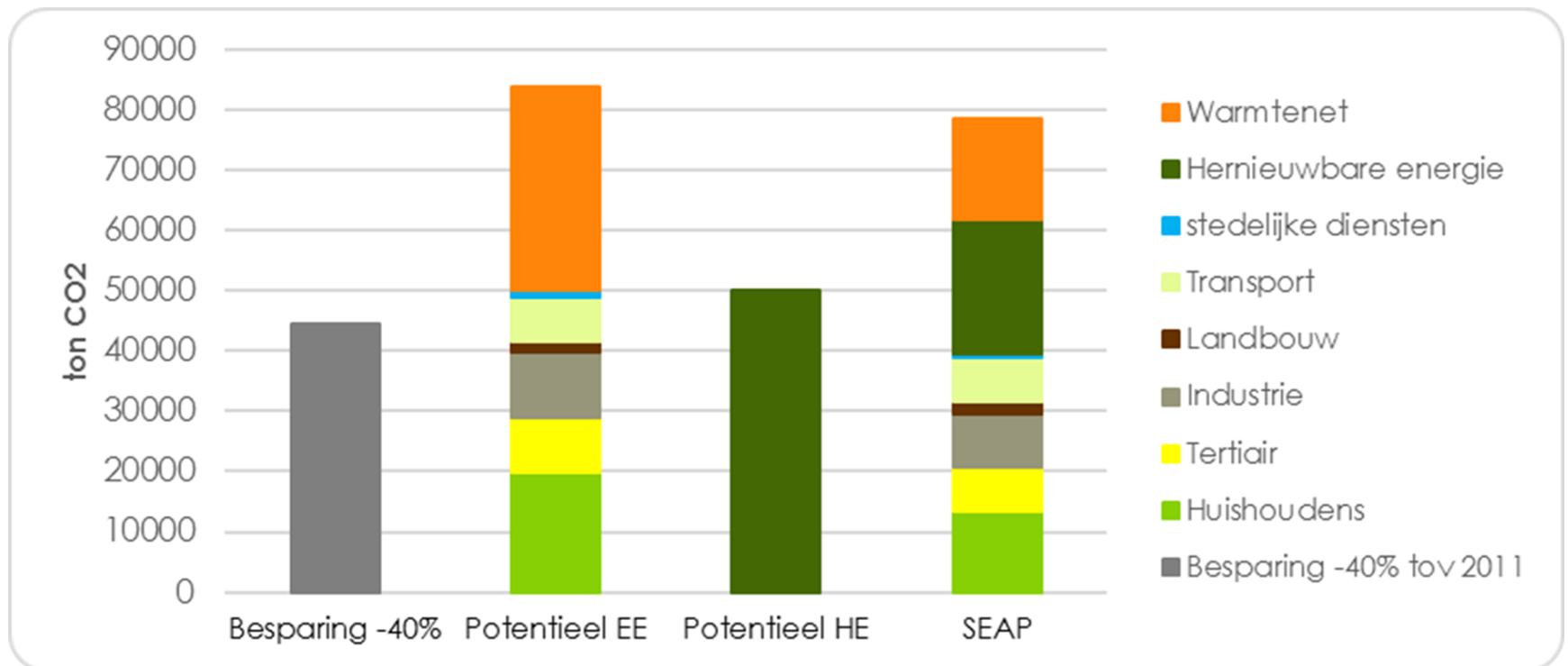
# Ambition chart





- 8 bestaande WT behouden
- 14 nieuwe WT plaatsen
- PV op alle daken
- 11% landbouwgrond zonnepaneelvelden
- 30% landbouwgrond KOH
- 3m houtkanten landbouwgrond

# Sustainable Energy & Climate Action Plan



# Samsø in Eeklø (2012) - *feasibility study* -



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# The lack of... (2013-2015)



# Procedure (2016-2018)

- Call for applications
  - City council, dd. 21-03-2016
  - 3 candidates
  
- "Concession" - guide line
  - City council, dd. 26.07.2016
  - 2 candidates



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# Award criteria?



- > 30% financial participation of the citizens
- Use of renewable energy
- Evolution to 100% renewable district heating
- Commitment REG-projects
- NMDA
- Other projects...

Financial reward <<< **community benefits**

# Concession (2018 - ...)

**Consortium Ecopower cvba & Veolia nv  
Concession – commitments:**

- **35% financial participation of the citizens (ownership)**
- **100% renewable energy (2036)**
- **NMDA**
- **Environmental & social benefits**



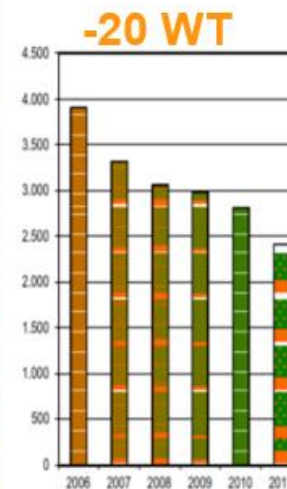
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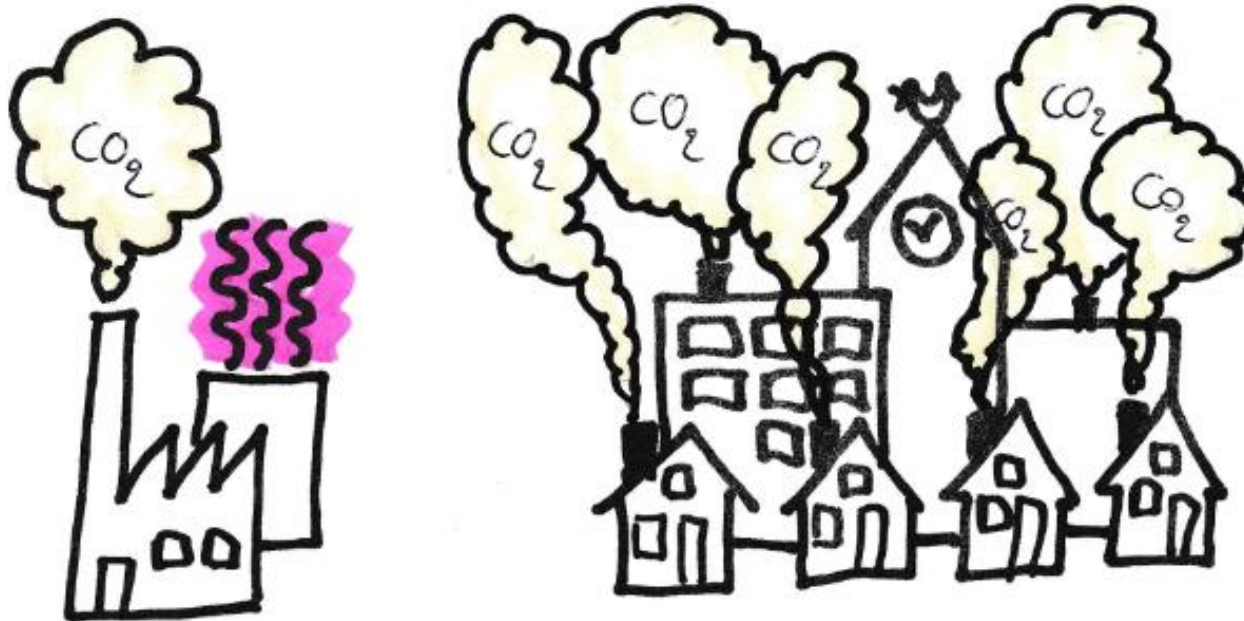
# Ecopower cvba

56.000 members, power supply as a service



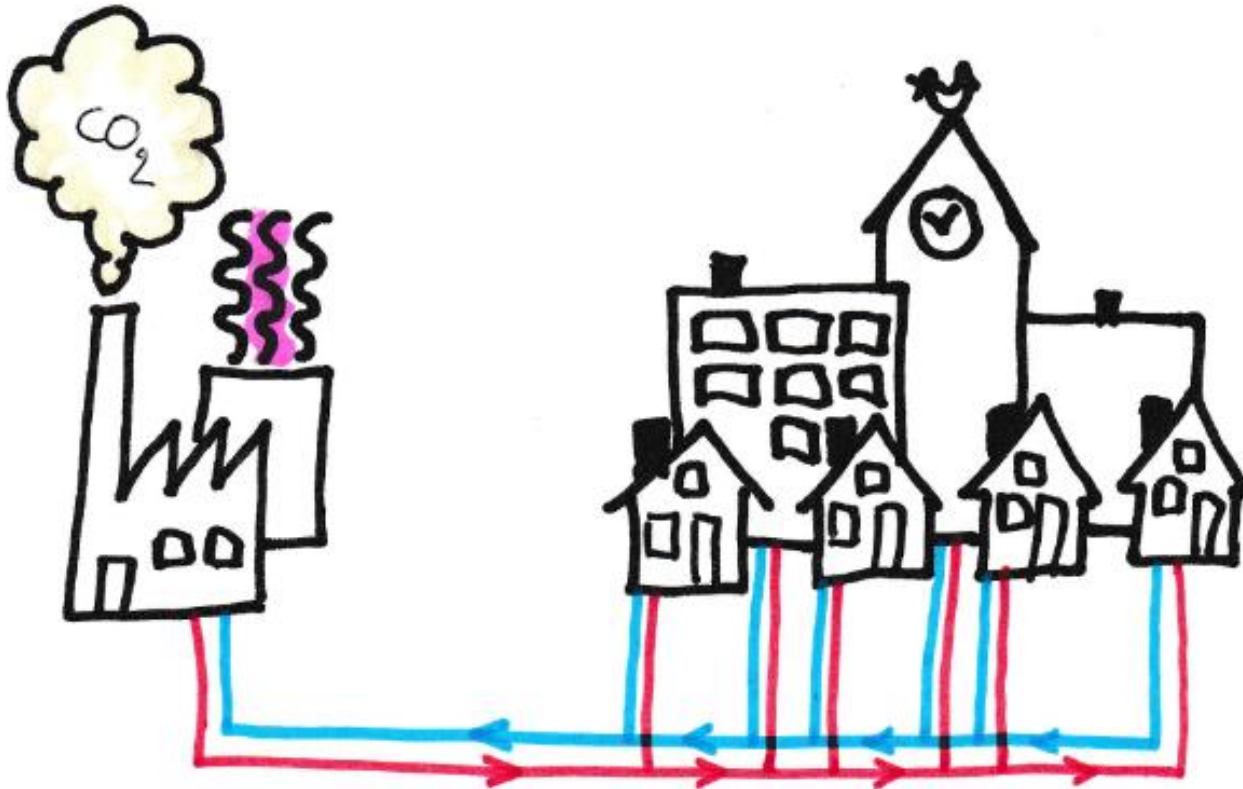
# Impact on local community

## covenant of mayors



# Impact on local community

## from waste heat to district heating



# DH Eeklo Fase 1



## Waste heat

- $\approx 16$  MW
- $\approx 10$  million  $m^3$  gas

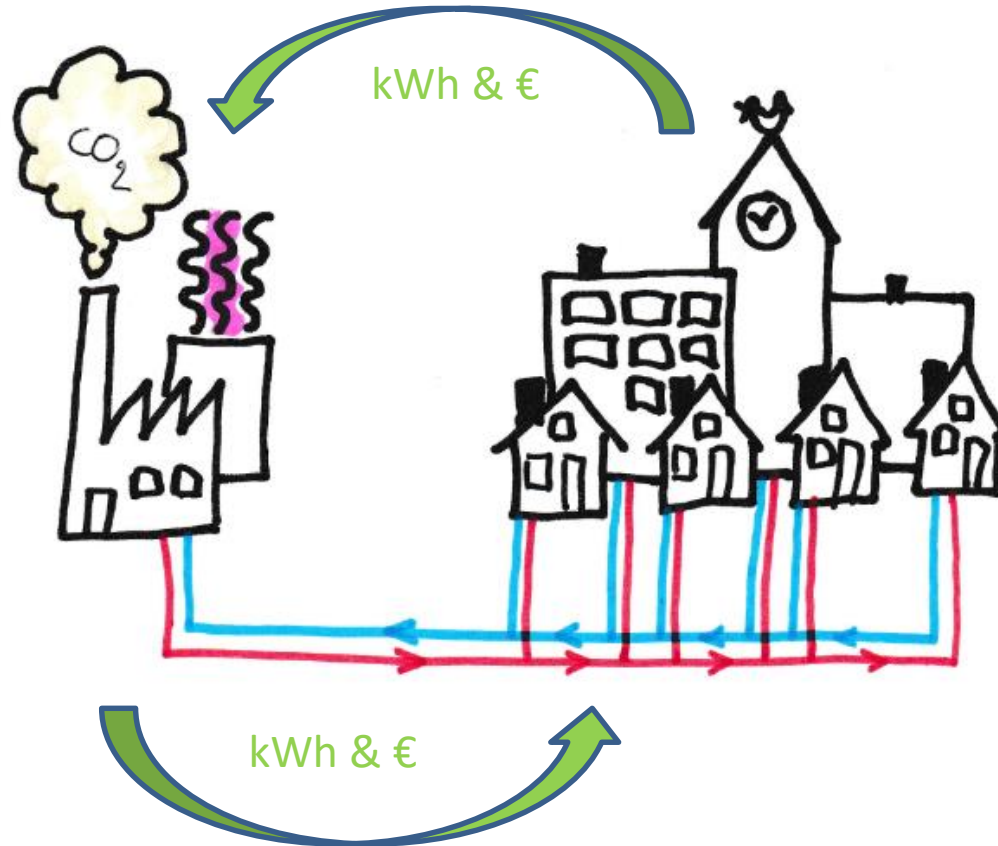
## District heating

- Existing buildings
- Industrial & residential
- 70/40 °C
- Fase1  $\approx 27$  GWh/jaar, operational 2020?
- Balancing BP

# Impact on local community (3P)

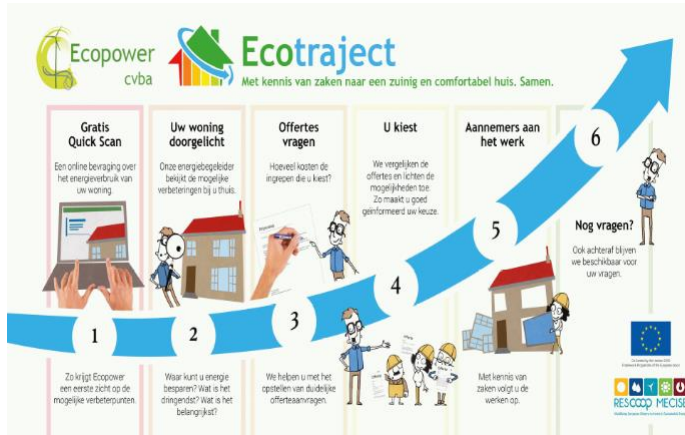
circular economy & keeping added value in the community

Transition to  
100% renewable  
energy sources  
before 2036



# Impact on local community (3P)

## investing added value in the community



energieID Groepen Integraties Nieuws Contact Help

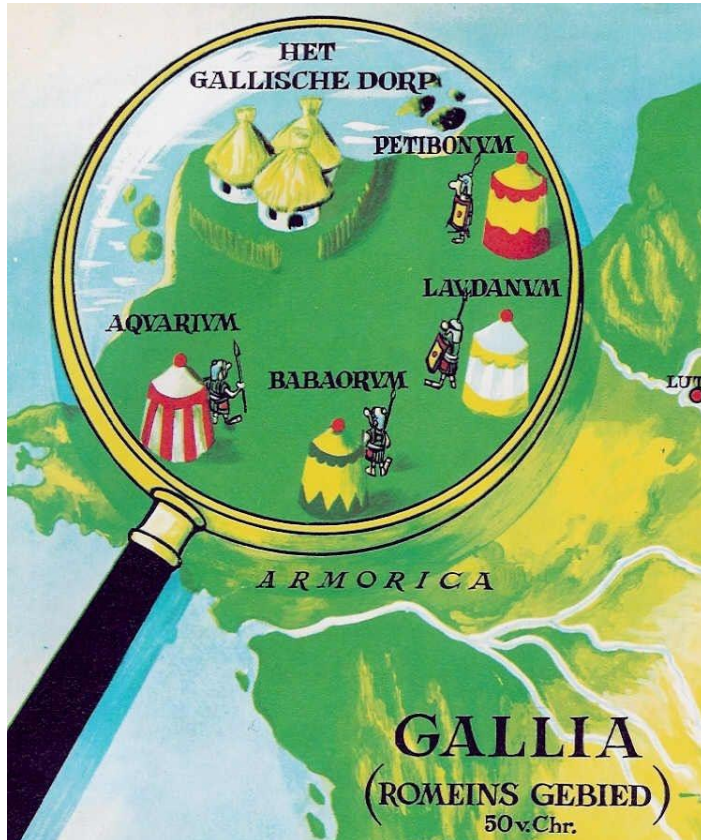
### Doe iets slims met je energiemeters

Volg het voorbeeld van 14.000 gezinnen en organisaties

[Naar je energiedoosier >](#)

- ✓ Verzamel gratis verbruiksgegevens van je woning of gebouw
- ✓ Krijg inzicht in je verbruik en vergelijk met anderen
- ✓ Verwerk automatisch meetgegevens via onze Integraties
- ✓ Word lid van onze groepen of start er zelf één

# The REScoop – Municipality approach



Renewable energy sources are **commons**

- City council decision: up to 50% direct participation

Public grounds & buildings:

- Wind tender > Eeklo
- Solar tender > Kuurne

# EU 2018/1999-2002

## ‘Citizen Energy communities’

(16) ‘renewable energy community’ means a legal entity:

- (a) which, in accordance with the applicable national law, is based on open and voluntary participation, is autonomous, and is effectively controlled by shareholders or members that are located in the proximity of the renewable energy projects that are owned and developed by that legal entity;
- (b) the shareholders or members of which are natural persons, SMEs or local authorities, including municipalities;
- (c) the primary purpose of which is to provide environmental, economic or social community benefits for its shareholders or members or for the local areas where it operates, rather than financial profits;



The Statement on the Cooperative Identity states that a cooperative is an “autonomous association of persons united voluntarily to meet their common economic, social, and cultural needs and aspirations through a jointly owned and democratically-controlled enterprise.”





# Thank you for your attention





RES COOP MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

International conference

January 22nd, 2019

#mecise #energydemocracy

# PROGRAMME

▶ 09h00 :

Registration

▶ 09h30 :

Welcome & introduction

Welcome

Dörthe Fouquet, EREF

REScoop.eu – European  
network of renewable energy  
cooperatives

Dirk Vansintjan, REScoop.eu

REScoop MECISE – How  
to help citizens to invest in a  
sustainable future

Karel Derveaux, Ecopower

▶ 10h00 :

The REScoop-municipalities  
approach

Amet & Büllingen – A project jointly  
owned by coops and municipalities

Achim Langer, Courant d'Air (BE)

Friedhelm Wirtz, Mayor of the municipality  
of Büllingen (BE)

Eeklo – District heating in the city  
of Eeklo

Jan De Pauw, Ecopower (BE)

Ben Caussyn, City of Eeklo (BE)

Legal aspects of joint development  
and ownership

Annelies Verlinden, DLA Piper (BE)

▶ 11h00 :

Coffee break

▶ 11h30 :

Networking lunch

▶ 14h00 :

Renewables triggering  
investments in sustainable  
energy

Linking renewables to energy  
efficiency to make them  
economically viable

▶ 16h00 :

EU funding opportunities  
relevant to energy  
cooperatives

Kamila Paquel, EASME (PL)

Panel Discussion -  
Role for citizen  
investments in Europe's  
energy transition?

Panelists: Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)

Energy Cities (FR)

Battu, DG Energy (FR)

Marcellini, MEP Group of the Greens/  
Free Alliance (ES)

Panel Chair: ...

Panel Moderator: ...

Panel Secretary: ...

Panel Discussion

Panelists: Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)

Energy Cities (FR)

Battu, Bundesverbandes  
Erneuerbare Energie (DE)

▶ 18h00 :

NEW YEAR'S RECEPTION  
WITH EREF, EUROPEAN  
RENEWABLE ENERGIES  
FEDERATION

Panel Chair: ...

Panel Moderator: ...

Panel Secretary: ...

Panel Discussion

Panelists: ...

Panel Chair: ...



▶ 15h30 :

Coffee break



▶ online  
registration



Mobilizing European Citizens to Invest in Sustainable Energy

# Legal aspects of joint development and ownership

Annelies Verlinden, DLA Piper  
(BE)



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# Introduction

- In search of a model for structuring in a legally sound manner **cooperation** between municipalities and private partners
  - Model not only usable in Belgium but also across the EU
- DLA Piper elaborated a "3CO RESponse" approach



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# Two pillars of the 3CO RESponse approach

- Characterisation of the intended cooperation based on the level of **involvement** sought by the municipality ("**3CO matrix**")
- Outcome of the characterisation will help the review of the prospective structure under a given set of legal disciplines ("**RESponse phase**")



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# Three parameters for classifying cooperation projects in the 3CO matrix (1)

- Levels of **control**:
  - Standard regulatory competences: zoning, environmental regulations, servitudes, permits ...
  - Concrete requirements: tariff levels, greening of production, priorities of connection ...
  - Day-to-day: municipality participates in all aspects of the renewable energy installation
- Levels of **contribution**:
  - None
  - Terrain(s)
  - Capital
  - Subsidies



# Three parameters for classifying cooperation projects in the 3CO matrix (2)

- Level of **consideration**

- Mere realisation: municipality only seeks the presence of the renewable energy investment on its territory
- Off take: municipality buys the generated electricity, heat or cold (potentially) against a reduced price
- Yield: municipality obtains (a part of) the profits generated by the renewable energy development
- Property: municipality aims for (partial) ownership of the renewable energy project

➤ We refer to these as the "**3CO criteria**": control + contribution + consideration



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# 3CO matrix

<b>Control</b>	Regulatory	Requirements		Day-to-day
<b>Contribution</b>	None	Terrain	Capital	Subsidies
<b>Consideration</b>	Mere realisation	Off-take	Yield	Property



# RESponse phase

- After characterisation, analysis is needed on the main legal points of attention to ensure a robust cooperation structure
- To engage in a comprehensive analysis, we have identified the following legal disciplines to be assessed so as to allow for a correct structure
  - **Contractual** or **participative** cooperation: i.e. the creation of a project-specific legal entity
  - Legal figure for granting user rights to the private partner or the project company on the **terrain(s) of the municipality**
  - Requirement for a **prior transparent and objective consultation procedure** or a **public procurement procedure**
  - **State aid** requirements



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# Test case studies

- Wind project in Amel-Büllingen
- District heating grid in Eeklo
- Wind project in Lanaken
- Green heating installation for a school in partnership with the city
- Strategic partnership with the city of Leuven



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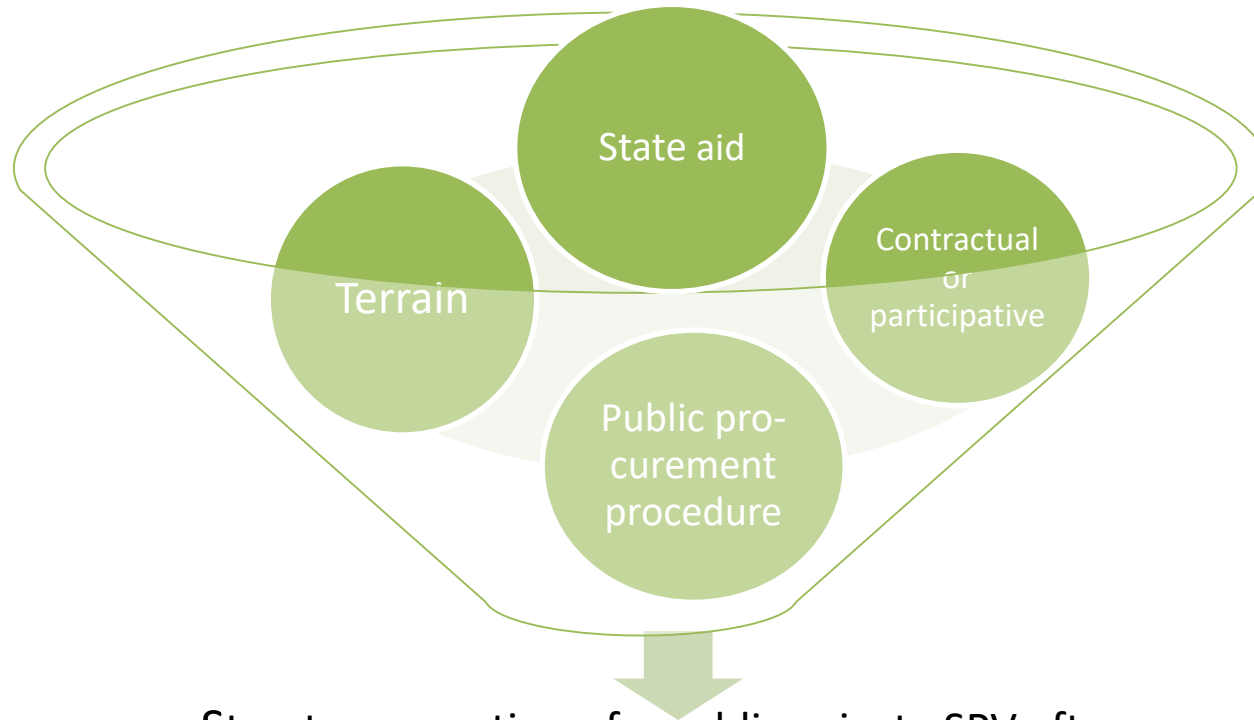
# Example project: 3CO characterisation

<b>Control</b>	Regulatory	Requirements		Day-to-day
<b>Contribution</b>	None	Terrain	Capital	Subsidies
<b>Consideration</b>	Mere realisation	Off-take	Yield	Property



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# Example project: from 3CO characterised project to RESponse



Structure: creation of a public-private SPV after a public procurement procedure and estimation of the value of the terrain



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# Extrapolations (1)

- From the test case studies some extrapolations can be made on how the project is to be structured compliant with the legal disciplines (RESponse) given the characterisation of the cooperation in the 3CO matrix
- **Contractual** or **participative** cooperation:
  - Often both options can be envisaged
  - Preference for a participative cooperation if
    - The municipality wishes to obtain yield or profits of the energy project and a willingness to share in the commercial risk; or
    - Municipality is willing to take up a day-to-day decision making role.



# Extrapolations (2)

- **Terrain(s)** owned by the municipality: transfer of rights *in rem* or a domain concession
  - Transparent and objective market consultation procedure required;
  - No overcompensation for the private partner when the terrain is contributed to a public-private company;
  - New purpose of the terrain(s) may not be inconceivable with any current public purpose of the terrain(s).
- **State aid** implications
  - Transparent and non-discriminatory market consultation, or procurement procedure mitigates State aid concerns;
  - Elements not covered by public procurement procedure are to be reviewed with the applicable State aid rules so there is no overcompensation
    - Altmark-decision
    - [State aid guidelines for energy and environment](#)



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# Extrapolations (3)

- It can be deemed that a public procurement procedure (or at least a transparent award procedure) would certainly be required if the 3CO characterisation outcome is as follows:
  - **Control**
    - Municipality is determining project-based construction and operational requirements or specifications;
    - Municipality would itself engage in direct day-to-day decision making.
  - **Contribution**
    - Subsidies are granted;
    - Transferring or granting rights on terrain(s).
  - **Consideration**
    - Direct off-taker of the power







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RES COOP MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

International conference

January 22nd, 2019

#mecise #energydemocracy

# PROGRAMME

▶ 09h00 :

Registration

▶ 09h30 :

## Welcome & introduction

### Welcome

Dörthe Fouquet, ERSO (NL)

### REScoop.eu - of renewable

Dirk Vansintjan

### REScoop MECISE

zens to invest

Karel Derveaux

▶ 10h00 :

## The REScoop-municipality approach

**Amet & Büllingen – A project jointly owned by coops and municipalities**

Achim Langer, Courant d'Air (BE)

Friedhelm Wirtz, Mayor of the municipality of Büllingen (BE)

**Eeklo – District heating in the city of Eeklo**

Jan De Pauw, Ecopower (BE)

Ben Caussyn, City of Eeklo (BE)

**Legal aspects of joint development and ownership**

Annelies Verlinden, DLA Piper (BE)

▶ 11h00 :

Coffee break

▶ 11h30 :

## REScoop financing solutions

**Generation kWh – A cooperative and**

▶ 14h00 :

## Renewables triggering investments in sustainable energy

**Linking renewables to energy efficiency to make them economically viable**

Karel Derveaux, Ecopower (BE)

**Exemplary cases from across Europe**

▶ 16h00 :

## EU funding opportunities relevant to energy cooperatives

Kamila Paquel, EASME (PL)

## Panel Discussion - What role for citizen investments in Europe's

Coffee break

▶ 12h30 :

Networking lunch

Mario Heukemes, Courant d'Air (BE)

**Ecotraject, a model to support citizens in making energy retrofits in private homes**

Finee Biesbrouck, Ecopower (BE)

Members of Ecopower (BE)

## Final conclusions

Josh Roberts, REScoop.eu (US)

Simone Peters, Bundesverbandes Erneuerbare Energie (DE)

▶ 18h00 :

## NEW YEAR'S RECEPTION WITH EREF, EUROPEAN RENEWABLE ENERGIES FEDERATION

EREF

EUROPEAN RENEWABLE ENERGIES FEDERATION

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE



▶ online registration

## PROGRAMME

▶ 09h00 :

Registration

▶ 09h30 :

### Welcome & introduction

#### Welcome

Dörthe Fouquet, EREF (DE)

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▶ 10h00 :

### The REScoop-municipality approach

**Amel & Büllingen – A project jointly owned by coops and municipalities**

Achim Langer, Courant d'Air (BE)  
Friedhelm Wirtz, Mayor of the municipality of Büllingen (BE)

**Eeklo – District heating in the city of Eeklo**

Jan De Pauw, Ecopower (BE)  
Ben Caussyn, City of Eeklo (BE)

**Legal aspects of joint development and ownership**

Annelies Verlinden, DLA Piper (BE)

▶ 11h00 :

Coffee break

▶ 11h30 :

### REScoop financing solutions

**Generation kWh – A cooperative and innovative financing model in Spain**

▶ 14h00 :

### Renewables triggering investments in sustainable energy

**Linking renewables to energy efficiency to make them economically viable**

Karel Derveaux, Ecopower (BE)

**Exemplary cases from across Europe**

▶ 16h00 :

### EU funding opportunities relevant to energy cooperatives

Kamila Paquel, EASME (PL)

**Panel Discussion - What role for citizen investments in Europe's energy transition?**

# REScoop financing solutions

▶ 12h30 :

Networking lunch

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

▶ 14h00 :

Mario Heukemes, Courant d'Air (BE)

**Ecotraject, a model to support citizens in making energy retrofits in private homes**

Finee Biesbrouck, Ecopower (BE)  
Members of Ecopower (BE)

▶ 15h30 :

Coffee break



▶ online registration

### Final conclusions

Josh Roberts, REScoop.eu (US)  
Simone Peters, Bundesverbandes Erneuerbare Energie (DE)

▶ 18h00 :

**NEW YEAR'S RECEPTION WITH EREF, EUROPEAN RENEWABLE ENERGIES FEDERATION**

EREF

EUROPEAN RENEWABLE ENERGIES FEDERATION

# PROGRAMME

▶ 09h00 :

Registration

▶ 09h30 :

Welcome & introduction

Welcome

Dörthe Fouquet, EREF

REScoop.eu – European  
network of renewable energy  
cooperatives

Dirk Vansintjan, REScoop.eu

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to help citizens to invest in a  
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NEW YEAR'S RECEPTION  
WITH EREF, EUROPEAN  
RENEWABLE ENERGIES  
FEDERATION

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EUROPEAN RENEWABLE ENERGIES FEDERATION

# Nuri Palmada

## Som Energia

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE



▶ online  
registration



Mobilizing European Citizens to Invest in Sustainable Energy



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Nombre de socis/es: 54.743



Nombre de contractes: 90.082



Producció: 11,80 GWh/any



Som Energia is a renewable energy consumers cooperative without profit. Our main activities are electricity commercialization and renewable energy generation. We are committed to boost a change in the current energy model in order to reach a 100% renewable one.



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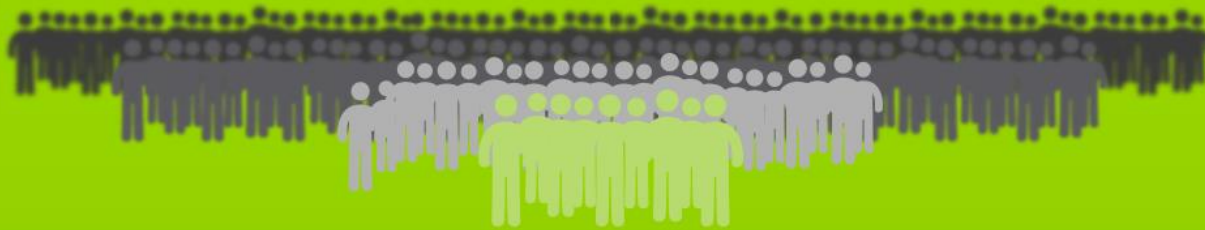
REScoop MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

Somos una generación de **3.690 personas** que hemos invertido **3.557.000 €** para autoproducir **6.046.900 kWh** de energía verde. [¿Te apuntas?](#)

## BIENVENIDO/A A LA GENERACIÓN KWH

Genera fácilmente y de forma compartida tus propios kWh de energía verde



### PRESENTACIÓN



### MOTIVACIONES



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## Our own RES projects with feed-in tariff:



We have 8 PV plants (730 kWp), one Biogas plant (500kW) and a Small Hydro Plant (1MW), all of them with feed-in tariff.



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# Generation kWh projects

Fontivolar 990 kWp\*



Vallehermoso (2.1 MWp) Alcolea del Río\*



La Serra (2.8 MWp), Anglesola



\* Projects under REScoop MECISE



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# Our own RES projects without feed in tariff:

PV Matallana, 2,3 MWp, Lora del Río\*



PV Tahal, 840 kWp, Almería\*



WF La Tejería, 24 MWp, Fontellas



PV La Florida, 1.6 MWp, Lora del Río\*



\* Projects under REScoop MECISE



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# Viure de l'Aire del Cel, 2.35 MW wind turbine.



**The first popular wind energy project in Spain.**

1 M€ loan from Som Energia Cooperative.



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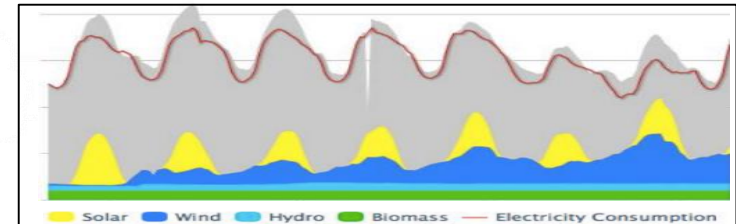
## When feed-in tariff was suppressed, ...and then what?

- Suppression of feed in tariff for new renewable plants. (RDL 9-2013).
- 7% tax on electricity generation.
- Self generation is not the solution for the majority.
- Volatile electricity market and non predictable.
- **We need keep on generating to reach 100% our own energy.**



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## How we do it?

- Promoting projects of different renewable technologies to get closer to our demand curve.



  
**Alcolea del Río**  
 Alcolea del Río (Sevilla)

---

Inversión prevista 2.041.025€

---

Estado  
Generando kWh

---

[MÁS INFORMACIÓN](#)



  
**Vivir del aire del cielo**  
 Pujalt (Barcelona)

---

Inversión prevista 1.700.000€

---

Estado  
En trámite administrativo

---

[MÁS INFORMACIÓN](#)



  
**Minihidráulica**  
 Por determinar

---

Inversión prevista 1.300.000€

---

Estado  
Estudio inicial

---

[MÁS INFORMACIÓN](#)



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## Generation kWh Objectives:

- Financing the construction and start-up of new RES generation plants. (Photovoltaic, Wind, Mini-hydro).
- Link the production of our plants with the electricity consumption of our members.
- Offer the members the possibility of buying renewable energy at the price resulting from generation costs of the Plants Associated with Generation kWh.



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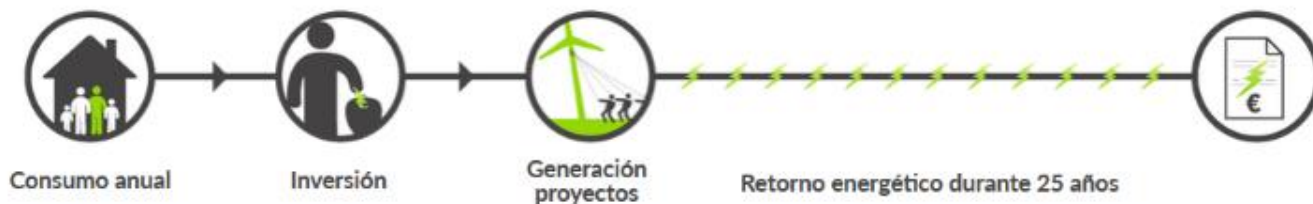


REScoop MECISE

Mobilizing European Citizens to Invest in Sustainable Energy



1. Each participant new decides to invest an amount of money, which can range from 100 euros to 2000 euros or more, depending on the electricity used annually.
2. With this money, all new renewable energy projects of different technologies such as photovoltaic, wind and minihydraulics are promoted.
3. Proportionally to the contribution made and for 25 years, each participant corresponds to an amount of the energy produced, which translates into savings in the electricity bill.



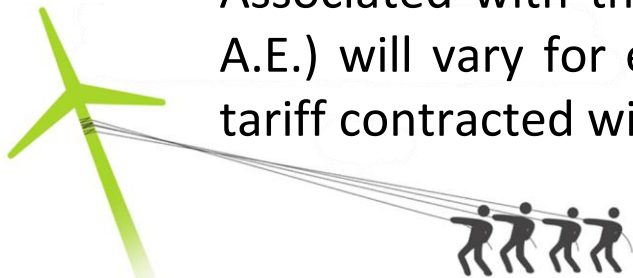
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## Key aspects:

- The money invested (**Energy Shares**) is a **zero interest loan** that will be repaid in 25 years.
- An **Energy Action** will be assigned for every **100** euros of loan provided.
- The **Energy Shares** will give us access to the collective self-production system for 25 years and we will pay the price resulting from the generation costs of the Plants (Generation kWh Price), different from the market price of electricity.
- The number of kWh that will correspond to each Energy Share will be established based on the **actual production** of the Plants Associated with the Generation kWh system. This ratio (kWh / A.E.) will vary for each tariff period according to the electricity tariff contracted with the cooperative.



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## Generation kWh Price:

**The Generation kWh price** to be applied for the electricity that we will receive through our invoice will be calculated based on the real cost of generating this electricity in the Associated Plants.

Thus, the kilowatt hours assigned are not free. They have a price that will be equivalent to the cost price that generates them.

This price will be calculated based on the operating costs of the associated facilities and may also be subject to adjustment by the General Assembly of Som Energia, according to the objective criteria established in the general conditions of the contract:

- Maintenance cost
- Generation tax
- Management costs
- Linear amortization of the investment for 25 years
- Other



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# NURI PALMADA



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Framework Programme of the European Union



## PROGRAMME

▶ 09h00 :

Registration

▶ 09h30 :

### Welcome & introduction

#### Welcome

Dörthe Fouquet, EREF (DE)

#### REScoop.eu – European federation of renewable energy cooperatives

Dirk Vansintjan, REScoop.eu (BE)

#### REScoop MECISE – Mobilising EU citizens to invest in a sustainable energy transition

Karel Derveaux, Ecopower (BE)

▶ 10h00 :

### The REScoop-municipality approach

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#### Legal aspects of joint development and ownership

Annelies Verfinden, DLA Piper (BE)

▶ 11h00 :

Coffee break

▶ 14h00 :

### Renewables triggering investments in sustainable energy

Linking renewables to energy

▶ 16h00 :

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Kamila Paquet, EASME (PL)

### Panel Discussion - What role for citizen investments in Europe's energy transition?

Moderator: Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)

Mark Bolle, Energy Cities (FR)

Mathieu Ballu, DG Energy (FR)

Christophe Marcelllesi, MEP Group of the Greens/European Free Alliance (ES)

▶ 17h30 :

### Final conclusions

Josh Roberts, REScoop.eu (US)

Monique Peters, Bundesverbandes Erneuerbare Energie (DE)

▶ 18h00 :

### NEW YEAR'S RECEPTION WITH EREF, EUROPEAN RENEWABLE ENERGIES FEDERATION

EREF

EUROPEAN RENEWABLE ENERGIES FEDERATION

Daan Creupelandt

REScoop.eu

Maëlle Guillou

Enercoop

Karel Derveaux

Ecopower

22 January 2020

MECISE  
INTERNATIONAL  
CONFERENCE



▶ online registration



Mobilizing European Citizens to Invest in Sustainable Energy

# **REScoop MECISE SCE** **Mutual for Energy** **Communities Investing in a Sustainable Europe**

Daan Creupelandt, REScoop.eu  
Maëlle Guillou, Enercoop  
Karel Derveaux, Ecopower



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Framework Programme of the European Union

# Historical perspective

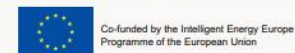
- 2008 - Enercoop reaching out to Ecopower
- 2009 - EU Parliament
- 2012 - REScoop 20-20-20
- 2013 – REScoop.eu
- 2015 – REScoop MECISE



Report on financial  
barriers and existing  
solutions



Visit us:  
[www.rescoop.eu](http://www.rescoop.eu)



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# Financial obstacles identified by coops

- Open membership structure leads to variable equity
- Capital intensive RES investments make it hard for starters
- National regulations related to fundraising from citizens



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# Financial obstacles identified by coops

- Bridging long periods with too many or too few projects
- Coops often lack expertise or capacity for complex financing
- Single REScoop investment size too small for dedicated financial instruments of EIB, EBRD, other financial institutions



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# Potential solutions identified

Existing financial collaborations between REScoops

- loans between REScoops
- joint developments, investments or operation of projects
- dedicated funds: Energie Partagée, Energy Prospects

Options studied under REScoop MECISE

- Structure that aggregates community energy projects to reach the size needed for dedicated funds like EIB
- Dedicated REScoop Fund at EU level



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# REScoop MECISE project

- Approach
  - Consultation of REScoop.eu members to assess needs
  - Support from external advisors
- Progressive roll-out of the tool



Only members of the REScoop  
MECISE project involved



- Phase 1 – set up phase
- Phase 2 – test phase
- Phase 3 – full scale implementation



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# REScoop MECISE success factors

- Be able to operate across a range of countries (to both raise and spend funds)
- Cost effectiveness – offer less expensive and more flexible funds than alternatives
- Attractive to a wide range of REScoops:
  - Small and large
  - Technology neutral
  - Supporting a wide range of services
  - Across different countries
- Establishment in a reasonable time-frame and at reasonable cost
- Offer fair financial returns to member REScoops
- Built on solidarity principles among REScoops and not solely profit oriented
- Work on cooperative principles and based on the REScoop.eu charter



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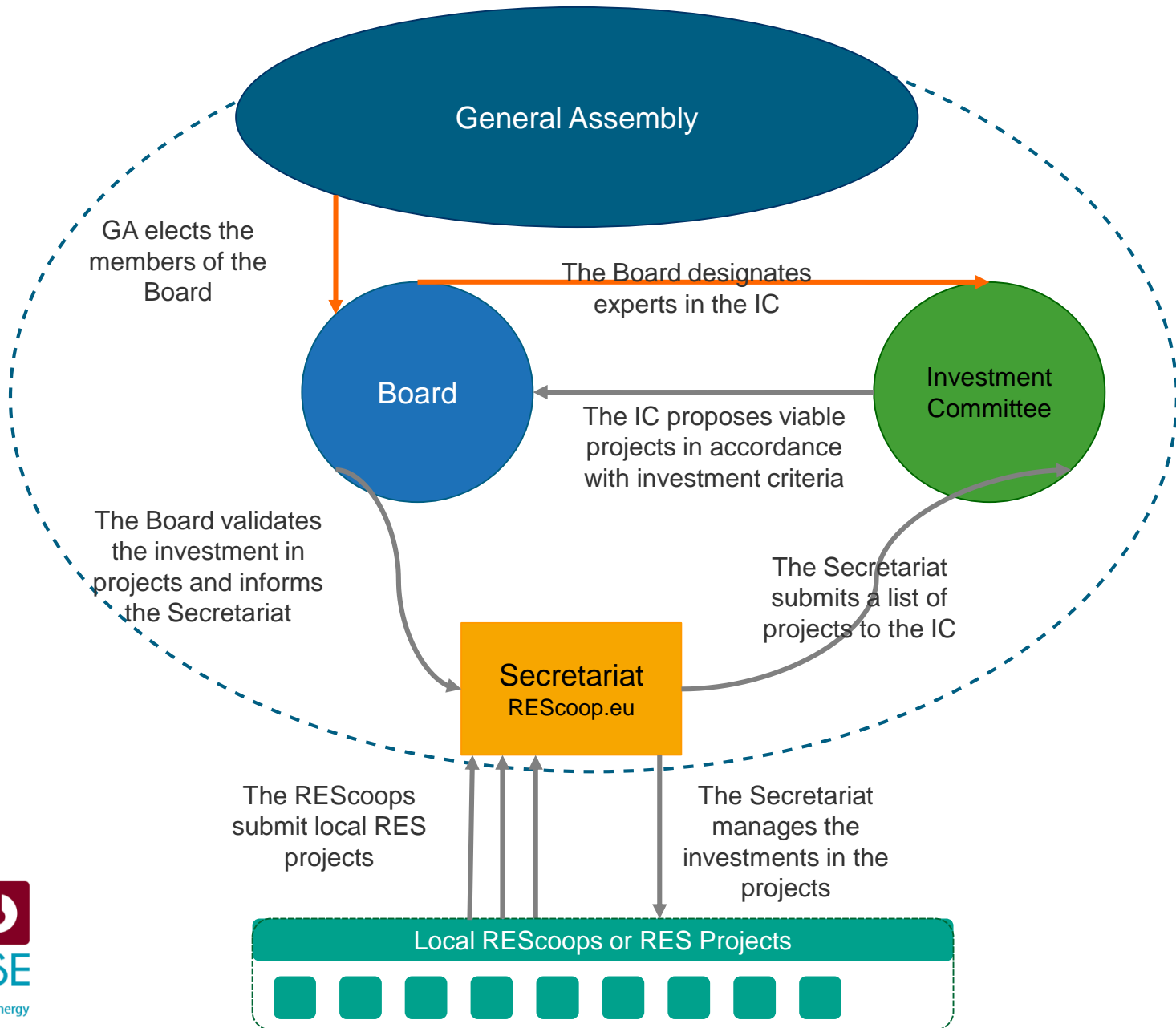


# Governance and operational set up for the MECISE vehicle

European Cooperative MECISE

→ Governance

→ Operational



# Operational project structures

- **Single** owner
  - MECISE SCE becomes 100% owner of the project
  - REScoops member of the SCE contribute to the equity needed to finance the project
- **Joint / common** ownership
  - MECISE SCE becomes  $(100 - X)$  % owner of the project
  - One or more REScoops become  $X\%$  owner
  - Set up of a Special Purpose Vehicle or Joint Venture
- **Split** ownership
  - When “physical” division of assets is possible
  - Only the common infrastructures stay in joint/common ownership  
=> minor part of the investment



# Upscaling

- Valorise **REScoops strenghts**: financing capacities, know-how on project development and operation, technical skills, local specific regulations and economic conditions, etc
- **Start small** size, but flexible to grow in investment size, project type and technology (all RES, EE, storage, grids, transport, etc)
- Develop, finance, own, operate RES projects of **scale too large** /too risky **for individual REScoops** (large onshore wind projects, off shore wind, district heating, ...)
- **Procurement** of existing RES projects. Examples of recently sold wind farms: Krammer (NL), Estinnes (B), Valorem (FR), Danilo (CR)
- **Leverage of equity** through quasi equity, guarantees, dedicated financial instruments e.g. from ethical banks, EIB, EFSI



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# Planning

- Operational planning – investment size
  - Start 2020: equity 2 M€, investment size 10 M€
  - Ambition 2025: equity 20 M€, investment size 250 M€
- Future options: accommodate non-REScoop equity (local authorities, institutional investors, EU citizens directly) not yet defined



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RES COOP MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

International conference

January 22nd, 2019

#mecise #energydemocracy



## PROGRAMME

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Registration

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Energy Cities (FR)

Stefano G. Di Carlo, DG Energy (FR)

Antonio Di Pietro, MEP Group of the Greens/EFA (ES)

Green Alliance (ES)

# Networking lunch

▶ 12h30 :

### Networking lunch

#### d'Air

Mario Heukemes, Courant d'Air (BE)

#### Ecotraject, a model to support citizens in making energy retrofits in private homes

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Marcella, MEP Group of the Greens/  
Free Alliance (ES)

## Karel Derveaux

### Ecopower

Conclusions

Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, Bundesverbandes

Erneuerbare Energie (DE)

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EUROPEAN RENEWABLE ENERGIES FEDERATION

▶ online  
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22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE



Mobilizing European Citizens to Invest in Sustainable Energy

# Renewable Energy triggering Energy Efficiency investments

Final Event, 22 January 2018

Museum of Natural Sciences, Brussels

**REScoop MECISE**

Karel Derveaux, Ecopower

*Disclaimer: "This presentation reflects only the author's view. EASME is not responsible for any use that may be made of the information it contains."*



"This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 649767".

# Collaboration REScoop Ecopower-City Eeklo



- Start: 2 **wind turbines in 2001**
- Additional RES (~10 M€) and EE (~800 k€) investments : a.o. PV (public) buildings, rapeseed oil CHP, wood pellet heating, boiler house renovation, 4 more WT, ...
- **Now launched:** District Heating using wasted heat, replace fossile fuels, trigger EE measures (Phase 1: ~30 GWh/y, ~15 M€ investment)



“This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 649767”.



# Conflicting interests in any DH system

Heat **consumers** <-> DH network operator:

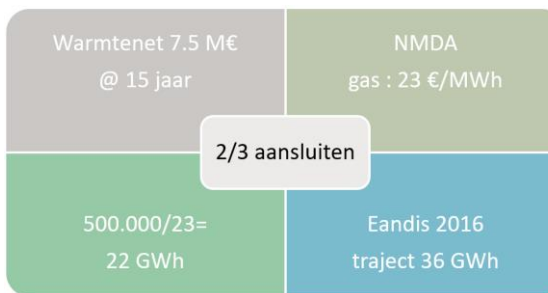
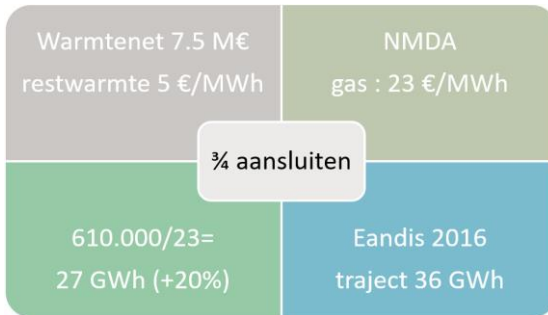
- all heating needs met (space heating + SHW)
- at the lowest total costs
- at any moment

Heat **producers** <-> DH network operator

- sell heat at the highest possible price,
- with the minimum of commitments (availability, peak heat power)

DH **network operator**:

- has invested in the network infrastructure and operates it.
- sell as much as possible heat, at the highest price, with minimum obligations towards their customers.
- buy heat as cheap as possible, with maximum requirements for the producer



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# Bilateral Contracts blocking transition



Business models build on **maximizing heat supply** and **fixed roles** of stakeholders do not allow:

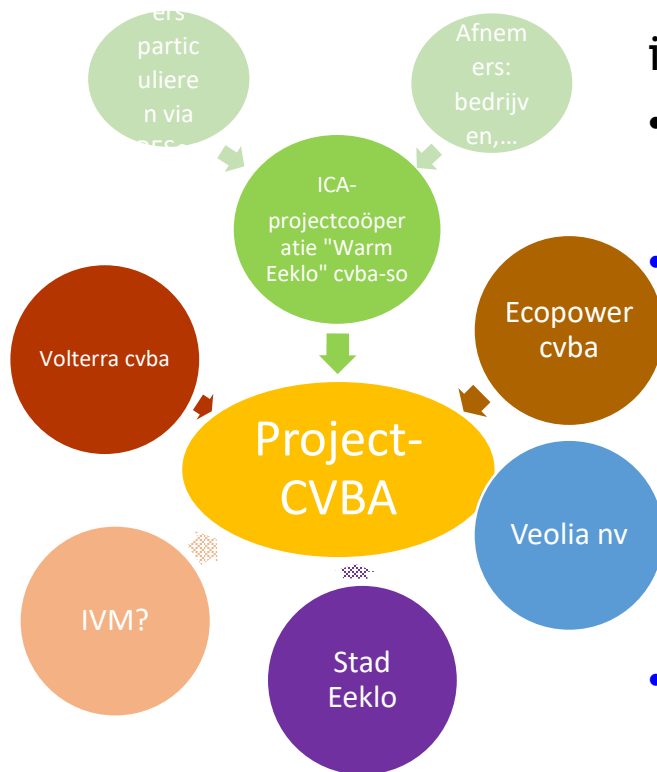
- EE investments reducing heat consumption
- “Prosumers” of heat
- Introduction of renewable heat sources

=> **Blocking sustainable energy transition**



“This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 649767”.

# Participative DH concept & joint investment



Participation and joint investment by all stakeholders in DH Eeklo :

- Every stakeholder can **have a say** in every aspect of investment and operation
- **Transparent sharing of all cost and benefits.** All actors have the same return on investment, independent of their role and the amount they have invested

**Common goal is optimal ROI for the project as a whole**

- **Reducing heat demand** of consumers, as well as **greening heat inputs**, becomes part of the project as a whole



“This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 649767”.



# EE embedded in DH concept & business plan



Continuous EE investments for **reduction of building heating demand** through **active guidance and investment support**

- **Lower annual heat demand**, lower **peaks**, lower **temperatures**
- Sufficient capacity of existing root infrastructure
- DH network **extension**, connecting additional clients,
- **Low-temperature heat sources** become feasible: dump heat solar heat, storage, biomass fired sources, etc. leading to **100% green heat**,
- **Operation modes** taking into account electricity market aspects become possible



“This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 649767”.



# Transition towards zero emission city



RES investments started in 2001 have led to this DH project, for Eeklo the transition to zero emission

- Main infrastructures first 5 years
- DH extensions following EE investments and greening heat sources throughout the 50 y lifetime



“This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 649767”.

# Thanks for your attention



“This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 649767”.





RES COOP MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

International conference

January 22nd, 2019

#mecise #energydemocracy

# PROGRAMME

▶ 09h00 :

Registration

▶ 09h30 :

Welcome &

Welcome

Dörthe Fouquet

REScoop.eu -  
of renewable

Dirk Vansintjan

REScoop MECISE  
zens to invest

Karel Derveaux

▶ 10h00 :

The REScoop  
approach

Amet & Bülling  
owned by coop

Achim Langer,

Friedhelm Wirtz

of Büllingen (B)

Eeklo - District heating in the city  
of Eeklo

Jan De Pauw, Ecopower (BE)

Ben Caussyn, City of Eeklo (BE)

Legal aspects of joint development  
and ownership

Annelies Verlinden, DLA Piper (BE)

▶ 11h00 :

Coffee break

▶ 11h30 :

REScoop

MECISE

INTERNATIONAL

CONFERENCE

22 January 2015

11h00 - 12h00

12h00 - 13h00

13h00 - 14h00

14h00 - 15h00

15h00 - 16h00

16h00 - 17h00

17h00 - 18h00

18h00 - 19h00

19h00 - 20h00

20h00 - 21h00

21h00 - 22h00

22h00 - 23h00

23h00 - 00h00

00h00 - 01h00

01h00 - 02h00

02h00 - 03h00

03h00 - 04h00

04h00 - 05h00

05h00 - 06h00

06h00 - 07h00

07h00 - 08h00

08h00 - 09h00

09h00 - 10h00

10h00 - 11h00

11h00 - 12h00

12h00 - 13h00

13h00 - 14h00

14h00 - 15h00

15h00 - 16h00

16h00 - 17h00

▶ 14h00 :

Renewables triggering  
investments in sustainable  
energy

Linking renewables to energy  
efficiency to make them

▶ 16h00 :

EU funding opportunities  
relevant to energy  
cooperatives

Kamila Paquel, EASME (PL)

# Mark Luntley

Energy4All

# Dirk Vansintjan

REScoop.eu

Coffee break



▶ online  
registration

WITH EREF, EUROPEAN  
RENEWABLE ENERGIES  
FEDERATION

EREF  
EUROPEAN RENEWABLE ENERGIES FEDERATION



Mobilizing European Citizens to Invest in Sustainable Energy

# UK: Energy4All

Schools/other MECISE supported  
coops



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Framework Programme of the European Union

# Energy4All

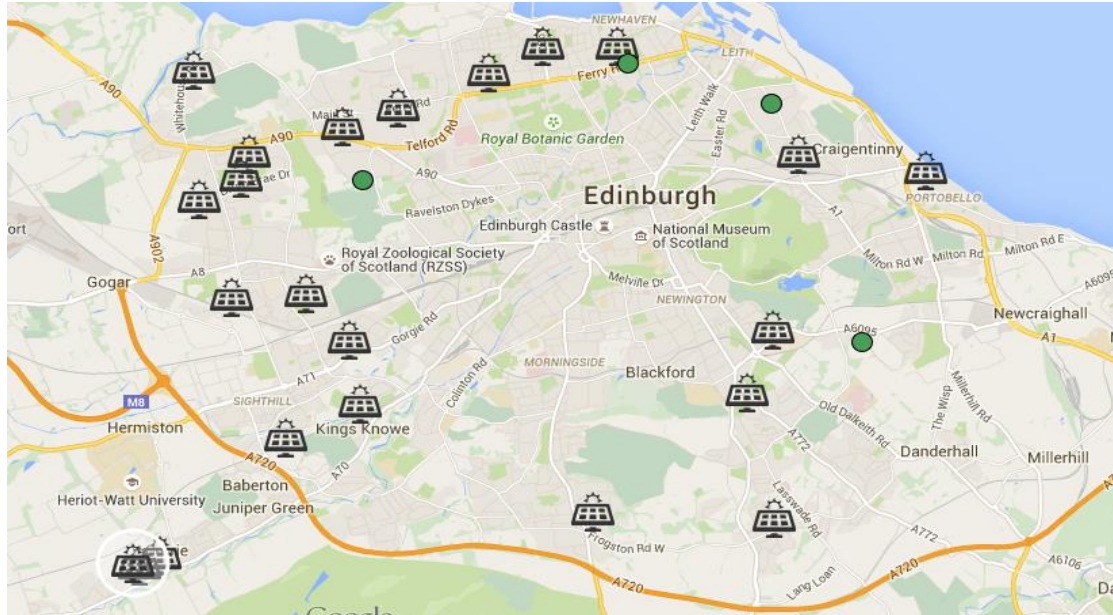
1. Isle of Skye Renewables Co-operative Ltd
2. Kilbraur Wind Energy Co-operative Ltd
3. Great Glen Energy Co-operative Ltd
4. Boyndie Wind Farm Co-operative
5. Arrochar Hydro Society
6. Highlands Community Energy Society
7. Rumbling Bridge Hydro Society
8. Edinburgh Community Solar Co-operative
9. Spirit of Lanarkshire Wind Energy Co-operative
10. Drumlin Wind Energy Co-operative Ltd
11. Baywind Energy Co-operative Ltd
12. Energy Prospects Co-operative Ltd
13. High Winds Community Energy Society
14. Mean Moor Wind Farm
15. Rainepower Community Hydro Society
16. Four Winds Energy Co-operative Ltd
17. Westmill Wind Farm Co-operative Ltd
18. Reading Community Energy Society
19. Marks & Spencer Energy Society
20. Wey Valley Solar
21. Springbok Sustainable Wood Heat Co-operative
22. Repower Balcome
23. Schools Energy Co-operative
24. West Solent Solar Co-operative Ltd



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# Edinburgh



- 24 public buildings
- Largest UK community urban solar scheme
- 1.12GWh/year
- CEC receives fixed price electricity for 20 years then free panels



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Framework Programme of the European Union



# Schools coop



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Framework Programme of the European Union



# Schools coop



Started 2015

- 44 Schools built
- 5 committed
- 30+ under negotiation
- 4 share offers

Annual generation:

- 225k KWh 2015
- 607k KWh 2016
- 914k KWh 2017
- 1.227 MWh 2018 (est)



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# How schools coop works



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# Business model



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# Schools coop next steps



LED lighting

Subsidy free projects

Researching energy management systems

Education resource materials



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# Plans

- FIT construction plan
- Pre-registering sites
- New share offer
- Share buy-back 2020
- Work with:
  - Multi-academy trusts
  - Sympathetic councils



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# UK current energy policy?



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Framework Programme of the European Union



# A different approach



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Mobilizing European Citizens to Invest in Sustainable Energy

# BE: Ecopower

City of Leuven/Licht  
Leuven/Licht Vlaams-  
Brabant/Province VB



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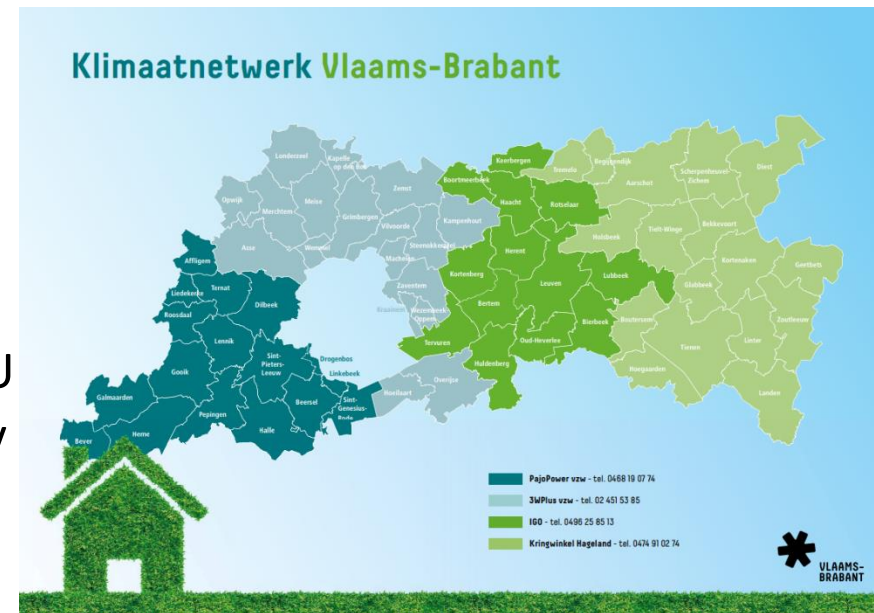
# Ecopower strategic partner of City of Leuven in the energy transition

- 2016: public tender City of Leuven (Green Leaf Award 2018)
- mid 2017: Ecopower is selected
- plan Ecopower: 30M€ portfolio RE/EE/EV-sharing ELENA proposal, PDU, but...



# From Licht-Leuven to... Licht-Vlaams-Brabant

- end 2017: ELENA 1 of Leuven 2030 and large partners already approved
- extension of efforts Ecopower to whole of Province with their support
- ELENA 2: aggregation of 30M€ projects coming from smaller municipalities: PDU
  - renewable energy, energy efficiency and electrical vehicle sharing
  - households, public authorities, educational institutions and private companies
  - continuation of work of 'Klimaatnetwerk'
  - support from Province to accompany 10 citizen energy communities



# From Licht-Leuven to... Licht-Vlaams-Brabant



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International conference

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#mecise #energydemocracy

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REScoop.eu – Eu

of renewable ene

Dirk Vansintjan, RE

REScoop MECISE

zens to invest in

Karel Derveaux, Ec

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The REScoop  
approach

Amet & Büllingen – A project jointly  
owned by coops and municipalities

Achim Langer, Courant d'Air (BE)

Friedhelm Wirtz, Mayor of the municipality  
of Büllingen (BE)

Eeklo – District heating in the city  
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Jan De Pauw, Ecopower (BE)

Ben Caussyn, City of Eeklo (BE)

Legal aspects of joint development  
and ownership

Annelies Verlinden, DLA Piper (BE)

▶ 11h00 :

Coffee break

▶ 11h30 :

▶ 14h00 :

Renewables triggering  
investments in sustainable  
energy

Linking renewables to energy  
efficiency to make them  
economically viable

▶ 16h00 :

EU funding opportunities  
relevant to energy  
cooperatives

Kamila Paquel, EASME (PL)

Panel Discussion -

en  
ope's

REScoop.eu (US)

u (BE)

R)

(FR)

Group of the Greens/  
s)

(US)

bandes

▶ 15h30 :

Coffee break



▶ online  
registration

▶ 18h00 :

NEW YEAR'S RECEPTION  
WITH EREF, EUROPEAN  
RENEWABLE ENERGIES  
FEDERATION

EREF

EUROPEAN RENEWABLE ENERGIES FEDERATION

REScoops taking action  
on energy efficiency

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

## PROGRAMME

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▶ 09h30 :

Welcome & introduction

Welcome

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REScoop.eu – European  
network of renewable energy  
cooperatives

Dirk Vansintjan, REScoop.eu

REScoop MECISE – How  
to help citizens to invest in a  
sustainable future

Karel Derveaux, Ecopower

▶ 10h00 :

The REScoop-municipalities  
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▶ 11h00 :

Coffee break

▶ 11h30 :

Networking lunch

▶ 14h00 :

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efficiency to make them  
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▶ 16h00 :

EU funding opportunities  
relevant to energy  
cooperatives

Kamila Paquel, EASME (PL)

Panel Discussion -  
Role for citizen  
investments in Europe's  
energy transition?

Panelists: Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)

Energy Cities (FR)

Battu, DG Energy (FR)

Marcellesi, MEP Group of the Greens/  
Free Alliance (ES)

Chair: EREF

Facilitator: EREF

Conclusions

Panelists: Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)

Energy Cities (FR)

Battu, Bundesverbandes  
Erneuerbare Energie (DE)

▶ 18h00 :

NEW YEAR'S RECEPTION  
WITH EREF, EUROPEAN  
RENEWABLE ENERGIES  
FEDERATION

EREF

EUROPEAN RENEWABLE ENERGIES FEDERATION

▶ online  
registration



22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

# Mario Heukemes

## Courant d'Air



Mobilizing European Citizens to Invest in Sustainable Energy

# **EE projects developed by Courant d'Air**



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# EE projects developed by Courant d'Air

- Collective purchase of LED lamps
- Collaboration with municipalities
  - Energy audit for the municipality of Waimes
  - Consumption monitoring and analysis of heating in schools
  - Experiments on improving air quality in schools



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# Collective purchase for LED lighting

- EE in private buildings: Collective purchase of LED lighting
- Production of an informative booklet
- 27 meetings in 10 municipalities
- For the Courant d'Air members and COCITER clients 5 collective purchases between September 2015 and May 2016:
- 7000 lamps – +/-60.000€

**VOUS ÊTES INTÉRESSÉ PAR L'ACHAT DE LAMPES LED ?**

Alors utilisez la formule que j'ai en annexe et renvoyez le tout par mail ou par courrier.

**LES AVANTAGES DES LAMPES LED - DONNÉES TECHNIQUES :**

- Durée de vie 25 fois supérieure
- Réduction de la consommation électrique de 80%
- Économie de 1000 kWh par an et par lampe
- Faible consommation (20-30 000 W au lieu de 100-150 W)
- La lampe LED est la seule qui ne chauffe pas et ne dégage aucune odeur de lampe à incandescence
- Plus de sécurité et plus d'économie d'énergie
- Plus de confort et plus de silence
- Sans de gaz nocifs

**AUTRES AVANTAGES DES NOUVELLES AMPOULES LED À FILAMENTS :**

- Facile à installer et à remplacer
- Inadaptée pour les plafonniers à incandescence
- Simple de démonter et à installer

**1. COMPARAISON DE L'EFFICACITÉ ÉNERGÉTIQUE**

AVEC LES MODÈLES ANTIÉRIEURS AUX AMPOULES LED

Modèle	Puissance	Lumens	Consommation	Économie	Coût de cycle de vie
Lampe à incandescence	60 W	800 lm	100 kWh	0%	1 000 €
Lampe à économie d'énergie	15 W	800 lm	25 kWh	75%	200 €
Ampoule LED	10 W	800 lm	10 kWh	90%	30 000 €

**2. EXEMPLE D'ÉCONOMIES POSSIBLES**

À L'AIDE DE 5 EXEMPLES CONCRETS

	Exemple 1 : 1 ampoule	Exemple 2 : 4 spots	Exemple 3 : 5 spots	Exemple 4 : 10 spots	Exemple 5 : 100 spots
Modèle	60 W	4x 30 W	5x 30 W	10x 30 W	100x 30 W
Ampoule	Ampoule LED	Spot incandescence	Spot LED	Spot incandescence	Spot LED
Coût de l'achat des lampes	4 €	4 €	1 400 €	24 000 €	2 400 €
Coût de l'énergie consommée	1 440 kWh	3 600 kWh	1 440 kWh	3 600 kWh	1 440 kWh
Coût de l'énergie consommée	1 440 kWh	3 600 kWh	1 440 kWh	3 600 kWh	1 440 kWh
Coût de l'énergie consommée	1 440 kWh	3 600 kWh	1 440 kWh	3 600 kWh	1 440 kWh
Coût de l'énergie consommée	1 440 kWh	3 600 kWh	1 440 kWh	3 600 kWh	1 440 kWh

**EN PLUS :**

- ✓ Réduction de la consommation d'énergie
- ✓ Réduction de la facture d'énergie
- ✓ Réduction de la consommation d'énergie
- ✓ Réduction de la consommation d'énergie
- ✓ Réduction de la consommation d'énergie
- ✓ Réduction de la consommation d'énergie
- ✓ Réduction de la consommation d'énergie
- ✓ Réduction de la consommation d'énergie



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# Energy audits in schools in Waimes

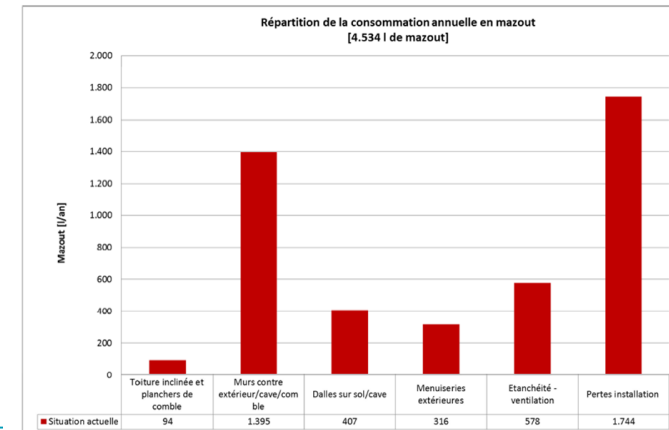
- **Municipality of Waimes** (where Courant d'Air owns 2 wind turbines)

Energy efficiency measures instead of simply paying a compensation tax for the wind turbines:

- Energy audit for 15 buildings (schools)
  - to identify the savings potential and
  - to determine the priority actions in EE
- Installation of smart meters (measuring power and heating oil consumption)
- Provide a platform for visualization, statistical analysis and comparison
- Replacement of the lighting by LED technology
- Accompaniment for the implementation of the action plan for sustainable energy (PAED).



	kWh/an	%	l mazout/an
Toiture inclinée et planchers de comble	940	2	94
Murs contre extérieur/cave/comble	13.947	31	1.395
Dalles sur sol/cave	4.073	9	407
Menuiseries extérieures	3.157	7	316
Etanchéité - ventilation	5.783	13	578
Pertes installation	17.438	39	1.744
<b>Total</b>	<b>45.338</b>	<b>100</b>	<b>4.534</b>



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# Energy monitoring in schools

- Since 2016, animation work in communal schools
- Knowledge acquisition in heating control systems and electricity consumption.
- Growing collaboration based on the work done.
- Building of a relationship of trust.
- Long-term collaboration.
- Gradually, Courant d'Air is able to write recommendations and provide support in the management of school buildings.

	Totaux sur l'année	
	période scolaire	période de congé
Arrêt(h)	3.799,00	1.008,00
Pertes parois (16°)	74.558,68	19.782,88
Pertes parois (14°)	61.002,56	16.185,99
Economies	13.556,12	3.596,89
Pertes ventilation (16°)	6.305,34	1.673,02
Pertes ventilation(14°)	5.158,92	1.368,83
Economies	1.146,43	304,18
Gain total	14.702,55	3.901,07
<b>Heppenbach</b>		
<b>Iveldingen</b>	Gain total	18.379,45
		4.876,67

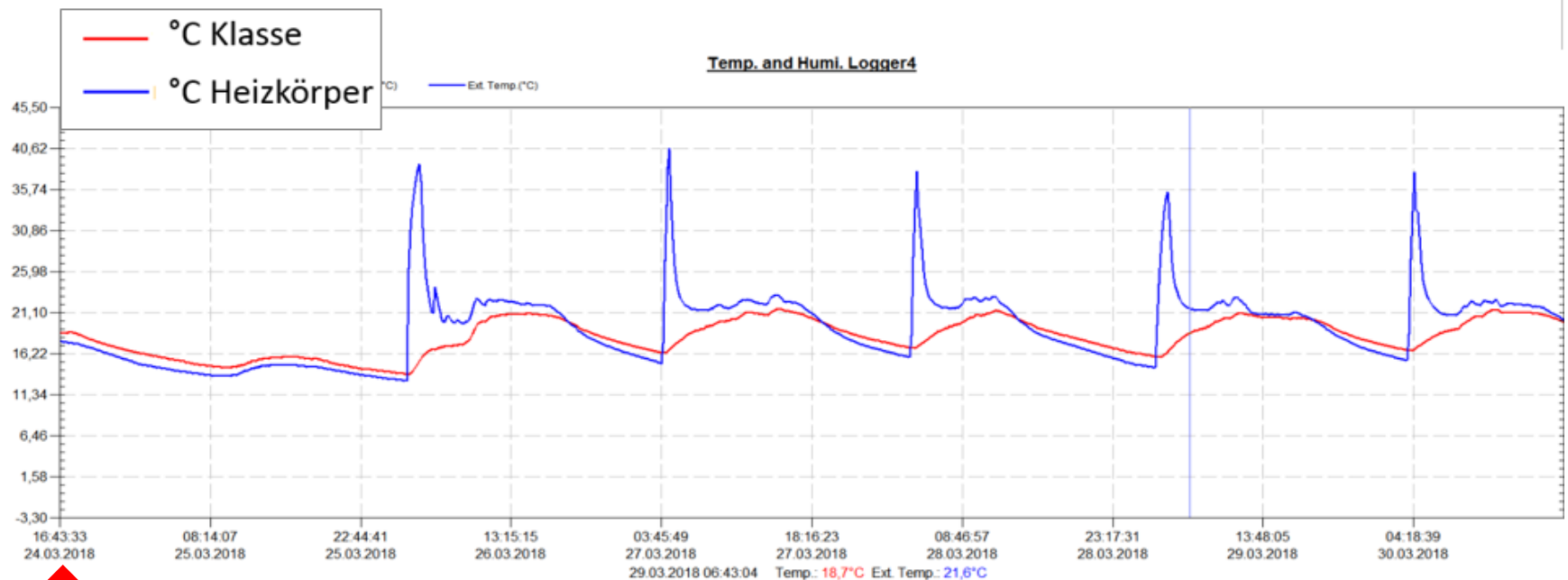
Jährliches Einsparpotential  
-46.736 KWh Wärme ◆ - 4.673 Liter Heizöl



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# Energy monitoring in schools

A school week with programming could look like this  
Mo.26.-Fr. 30.03.2018



Saturday

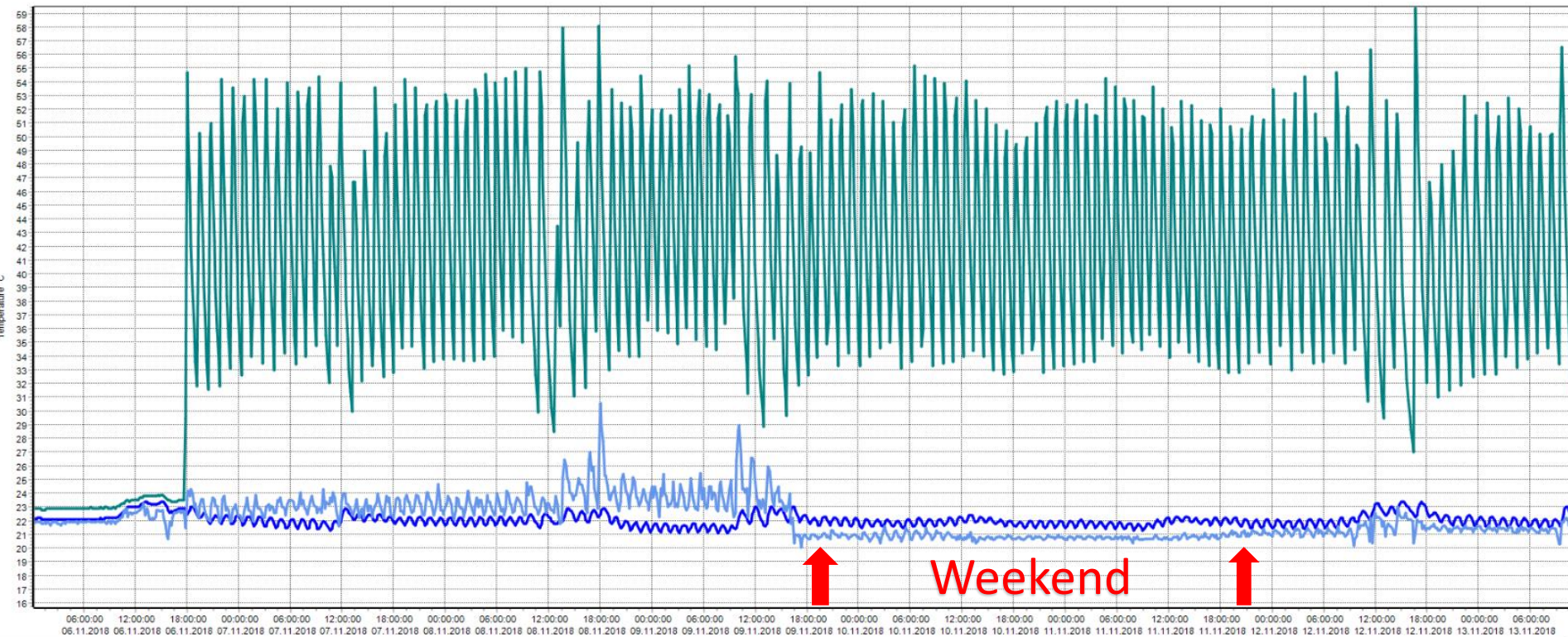


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# Energy monitoring in schools

LOG200-TC SN 20419080011 FW 04.56    Datei: LOG200-TC\_19080011\_2018-10-24T095841.DBF  
 Detailsicht: Startzeit 06.11.2018 00:11:45    Stoppzeit 13.11.2018 10:45:57    Dauer 7 d 10:30:00    Intervall 00:10:00    Anzahl 1072

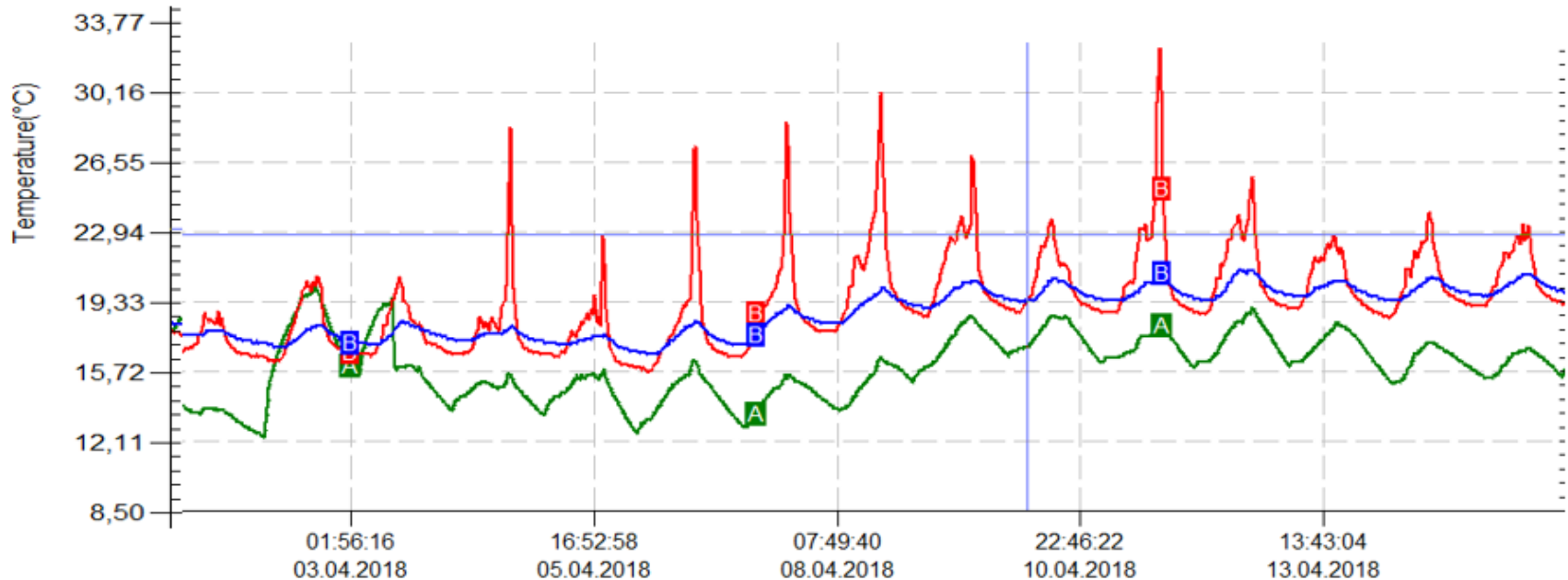
Thermoelement 1 20.1°C .. 22.1°C .. 30.6°C     Thermoelement 2 22.8°C .. 40.6°C .. 59.4°C     Temperatur 21.1°C .. 22.1°C .. 23.4°C



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# Energy monitoring in schools



Easter holidays from Tuesday 03. to Friday 13.04



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# Energy monitoring in schools

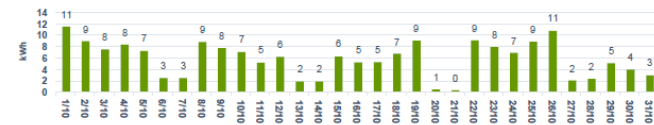
09/11/2018

Since September 2018, the energy advisors of the municipalities have automatically received reports on school consumption.

## Stromverbrauchsbericht

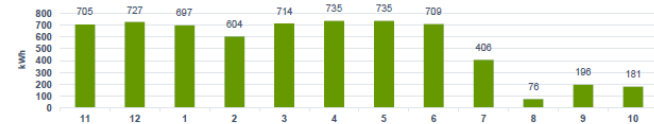
GS Born

Täglicher Verbrauch des letzten Monats

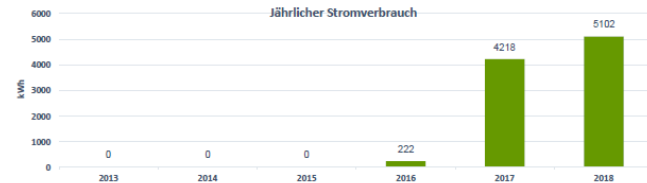


Index Anfang des Monats: 3682,64 kWh    Index ende des Monats: 3866,63 kWh

Monatlicher Stromverbrauch



Jährlicher Stromverbrauch



Bureau Courant d'Air  
Adresse  
Unter den Linden 5/E/1  
4750 Eisenborn



Kontaktperson  
Mario Heukemes  
info@courantdair.be  
080 216 944



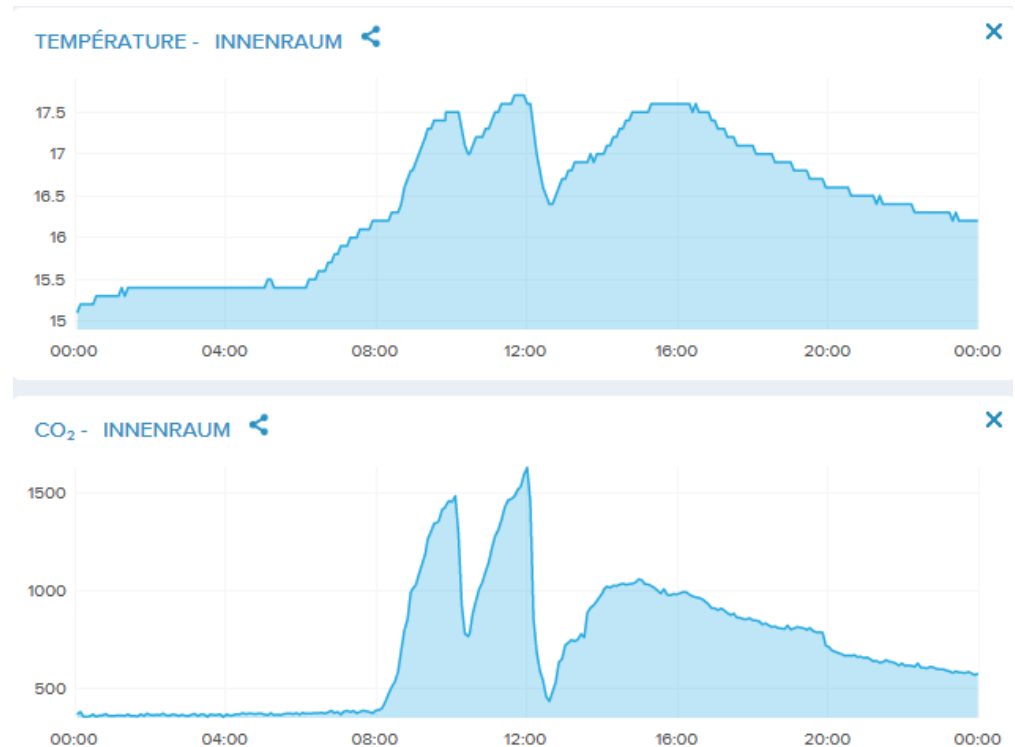
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# Experiments on improving air quality in schools

- Thanks to the use of affordable measuring devices and the learning of very simple actions, the class is able to regulate the quality of the ambient air.
- The learning of virtuous behaviors is promoted and the collective intelligence of the class is stimulated.
- Feedback from experience shows that this device is sometimes more efficient than a large investment in ventilation systems.



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Coffee break

▶ 11h30 :

REScoop

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▶ 14h00 :

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EU funding opportunities  
relevant to energy  
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Kamila Paquel, EASME (PL)

Fiene Biesbrouck  
Ecopower

Rhea Murphy  
Member of Ecopower

22 January 2015

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

Coffee break



▶ online  
registration

WITH EREF, EUROPEAN  
RENEWABLE ENERGIES  
FEDERATION

EREF  
EUROPEAN RENEWABLE ENERGIES FEDERATION



Mobilizing European Citizens to Invest in Sustainable Energy



# Ecotraject

A model to support  
citizens in making energy retrofits  
in private homes



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# Key characteristics model

- Impartial advice
- High-quality advice
- On Individual basis
- Cost-covering service
- Long term
- Target group: deep energy renovation



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REScoop MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

# A video is worth a million words



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**REScoop MECISE**

Mobilizing European Citizens to Invest in Sustainable Energy



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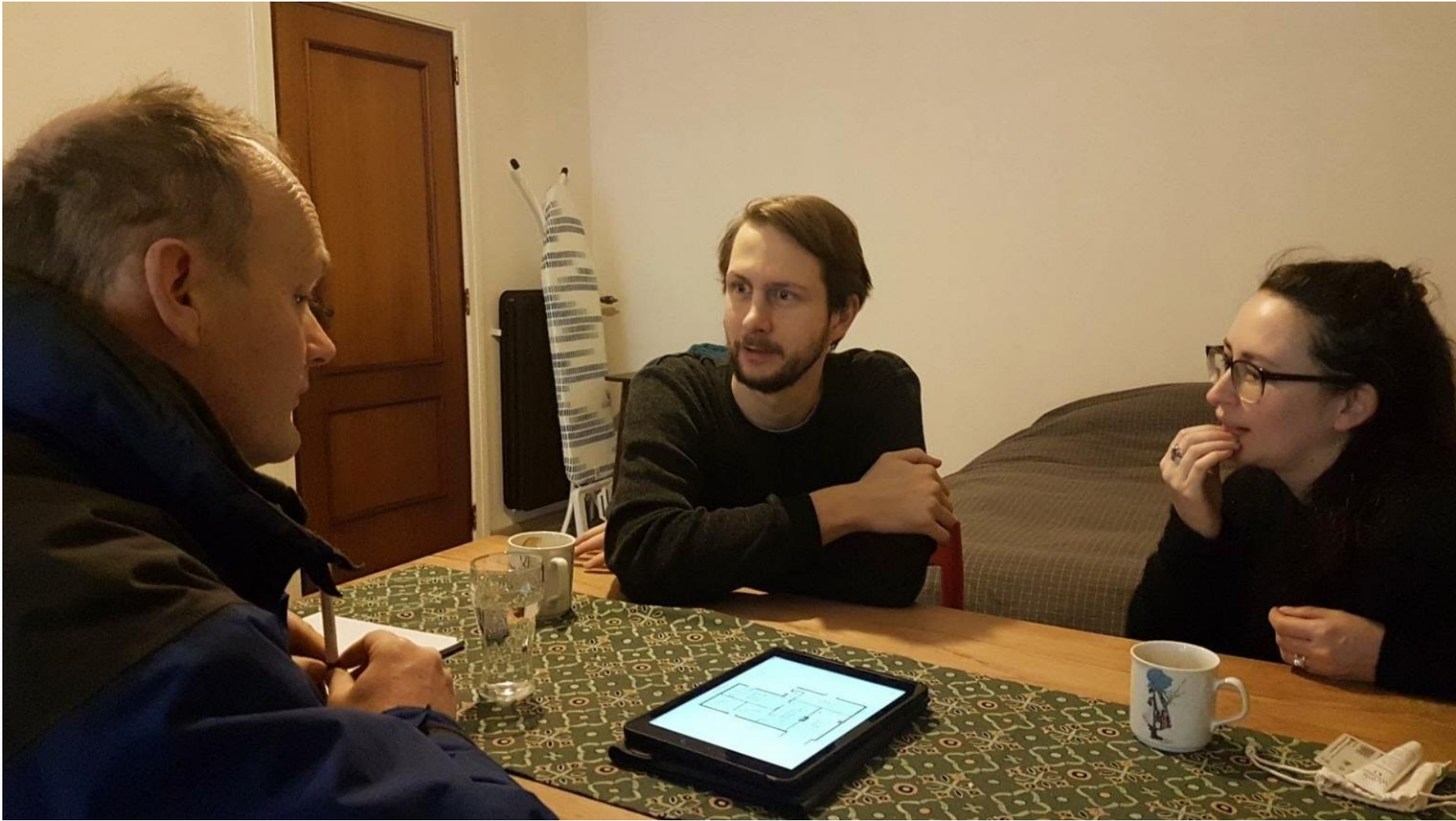






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Framework Programme of the European Union





Nieuwe toestand  
linkergevel  
schaal: 1/50



Co-funded by the Horizon 2020  
Framework Programme of the European Union



**REScoop MECISE**

Mobilizing European Citizens to Invest in Sustainable Energy



Bestaande toestand  
voorgevel  
schaal: 1/50



Co-funded by the Horizon 2020  
Framework Programme of the European Union





Nieuwe toestand  
voorgevel  
schaal: 1/50



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# Facts & Figures

- 5 energy consultants 'covering' Flemish region
- Technical fiches energy measures available
- 350 Quickscans
- 28 Ecotrajects
- > 500.000 euro investments triggered



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# Conclusion

- Concept has been implemented successfully..... but.....
- We want / need to scale up!
- Future: translate developed material / know how into new initiatives with a bigger reach and impact.



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# Thank you!



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**REScoop MECISE**

Mobilizing European Citizens to Invest in Sustainable Energy





RES COOP MECISE

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International conference

January 22nd, 2019

#mecise #energydemocracy

# PROGRAMME

▶ 09h00 :

Registration

▶ 11h00 :

Coffee break

▶ 14h00 :

Renewables triggering investments in sustainable energy

▶ 16h00 :

EU funding opportunities relevant to energy cooperatives

# Coffee break

Friedhelm Wirtz, Mayor of the municipality of Büllingen (BE)

**Eeklo – District heating in the city of Eeklo**

Jan De Pauw, Ecopower (BE)  
Ben Caussyn, City of Eeklo (BE)

**Legal aspects of joint development and ownership**

Annelies Verlinden, DLA Piper (BE)

22 January 2019

REScoop  
MECISE  
INTERNATIONAL  
CONFERENCE

▶ 15h30 :

Coffee break



▶ online registration

**NEW YEAR'S RECEPTION WITH EREF, EUROPEAN RENEWABLE ENERGIES FEDERATION**

EREF  
EUROPEAN RENEWABLE ENERGIES FEDERATION

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Dirk Vansintjan, REScoop.eu

REScoop MECISE – How  
to encourage citizens to invest in a  
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Karel Derveaux, Ecopower

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Kamila Paquel, EASME (PL)

Panel Discussion -  
Role for citizen  
investments in Europe's  
energy transition?

Panelists: Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, REScoop.eu (BE)

Energy Cities (FR)

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# Kamila Paquel

## European Commission

22 January 2019

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in private homes

Finee Biasbrouck, Ecopower (BE)

Members of Ecopower (BE)

▶ 15h30 :

Coffee break



▶ online  
registration



# EU support to citizen investment in sustainable energy

## Horizon 2020

Kamila Paquel

Project adviser / EASME Unit B1 /

B.1.3 H2020 Energy - Public Authorities, Energy Services and Financing

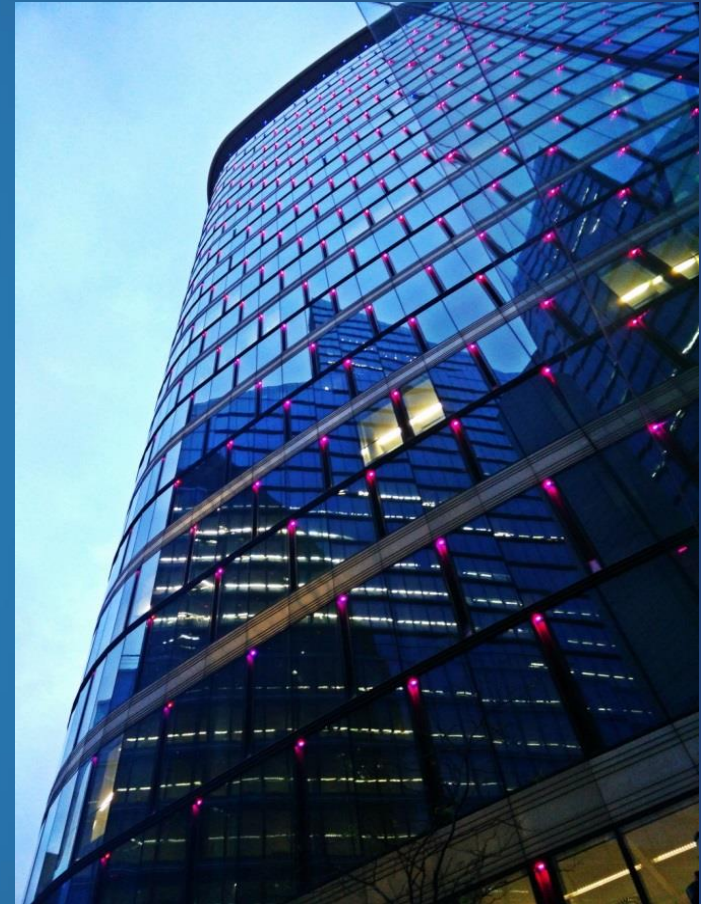
[kamila.paquel@ec.europa.eu](mailto:kamila.paquel@ec.europa.eu)

# Outline

- EASME
- Legal and policy framework
- Horizon 2020 support to citizen-centred energy transition
- Next opportunities

# EASME

- The Executive Agency for Small and Medium-sized Enterprises (EASME)
- part of the European Commission
- manages EU programmes in the fields of SME support & **innovation, environment, climate action, energy** and maritime affairs.
- B1 Energy Unit: ~40 project advisers based in Brussels (place Rogier)



# Legal and policy framework

- Current legislation did not foresee an explicit role for energy communities and cooperatives in the energy transition
- Clean Energy for All Europeans package changes that:
  - « Citizen energy communities » given an active role
  - REDII aiming to mobilise private capital & increase local acceptance
  - definition and a new legal regime for self-consumption and for renewable energy communities
  - facilitation of power purchase agreements
  - Smart Finance for Smart Buildings initiative with three major goals:
    - More effective use of public funds, assistance and aggregation, and de-risking

“Europe is on the brink of a clean energy revolution”

« climate game changer »  
« new horizon »



# Legal and policy framework

## "Smart Finance for Smart Buildings"

7 projects

### More effective use of public funds

- Deploying Financial Instruments and flexible energy efficiency and renewable financing models
- Building on EFSI blending with ESIF funds



38 projects

### Assistance and aggregation

- Supporting the project pipeline at EU and local level
- Project Development Assistance facilities
- "One-stop-shops"



13 projects

### De-risking

- Understanding the risks and benefits for financiers and investors
- The De-risking Energy Efficiency Platform
- EEFIG Underwriting toolkit



# Horizon 2020 support to citizen-centred energy transition (1/2)

- Support to research, demonstration, innovation and market-uptake actions across different low-carbon energy sector,
- including energy community projects  
some examples:



# Horizon 2020 support to citizen-centred energy transition (2/2)

EE-2 Integrated home renovation services

EE-09 Innovative financing for energy efficiency investments

EE-11 Aggregation - Project Development Assistance

EC-1 The role of consumers in changing the market through informed decisions and collective actions

EC-3 Consumer engagement and demand response (2020)

EE-17 European City Facility

ELENA (managed by EIB)

Smart cities and communities (managed by INEA)

Apply by:  
3 September 2019

# EC1 - The role of consumers in changing the market through informed decision and collective actions

- set up and/or support **energy communities**
  - (consumer cooperatives, consumer collective purchase groups, and/or other consumer driven collective actions)to increase **energy efficiency** and/or optimise **energy management** to integrate **renewable** energy within the community
- Identify and address regulatory and contractual barriers
- Demonstrate that collectively organised actions are financially viable and attractive to the members of the energy communities
- EU contribution €1-2 m, budget for 2019 call: €7.5 m  
(leverage: 5000 participating consumers per €1 m of EU support)

Apply by: 3 September 2019

# EE-11 Project development assistance

- Technical assistance to sustainable energy investment since 2010 (Intelligent Energy Europe)
- Grants of ~ €0.5m - €1.5m, 100% funding rate, budget for 2019: € 6 m
- Requirement for leverage of >1:15, average investment mobilised: € 15-30m
- Launch of specific **project pipelines** with a show-case dimension e.g. ambitious energy savings, innovative financial engineering, highly replicable solutions
- **Build** technical, economic and legal **expertise**
- Beneficiaries: public and private project promoters e.g. public authorities, ESCOs
- Sectors: buildings, industry, services, urban transport, infrastructure such as street lighting, district heating/cooling and water/wastewater services

Apply by 3 September 2019

# EE-17 European City Facility

- New initiative to turn strategies into projects
- Financial support for municipalities to develop an innovative investment concepts
  - Project pipeline identification
  - Legal and financial (pre-)analysis
  - Governance support
  - Leverage factor 1:20
- Overall budget of €16 m to be distributed in lumps sums up to €60 000
- European City Facility operator to be selected in a competitive call (Q2 2019)
- First call for municipalities to open soon! (*tentatively by the end of 2019*)

# EE-2 Integrated home renovation services

- Support to create, expand or replicate “one-stop-shops” - single entry point to cover the whole “customer journey”
- Target: private residential sector
- Finance is not (the only) key by itself, but integration of services is – including construction sector
- Consumer decisions are articulated around comfort, health, property value
- Grants of ~ €0.5m - €1.5m, 100% funding rate, budget for 2019: € 7.5 m

Apply by: **3 September 2019**



# EU funding for sustainable energy investment after 2020



Increased mainstreaming across EU budget (25%)

- Cohesion Funds
- Invest EU
- **Horizon Europe**
  - €15 bn to *Climate, Energy, Mobility*
- **LIFE**
  - € 1 bn to *Clean Energy Transition*
- Connecting Europe Facility
- Innovation Fund



# Thank you!

#H2020EE

[www.ec.europa.eu/easme/energy](http://www.ec.europa.eu/easme/energy)

[kamila.paquel@ec.europa.eu](mailto:kamila.paquel@ec.europa.eu)





RES COOP MECISE

Mobilizing European Citizens to Invest in Sustainable Energy

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# Panel discussion

## What role for citizen investments in Europe's energy transition?

Friedhelm Wirtz, Mayor of the municipality of Büllingen (BE)

### Eeklo – District heating in the city of Eeklo

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Kamila Paquel

European Commission



Dirk Vansintjan

REScoop.eu



Alix Bolle

Energy Cities



Matthieu Ballu

European Commission



Florent Marcellesi

European Parliament

PROG

09h00 :

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09h30 :

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## Final conclusions

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Karel Derveaux, Ecopower

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Panel Chair: Josh Roberts, REScoop.eu (US)

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Dirk Vansintjan, Marcellesi, MEP Group of the Greens/  
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# REScoop.eu

# Josh Roberts

Conclusions

Josh Roberts, REScoop.eu (US)

Dirk Vansintjan, Bundesverbandes

Erneuerbare Energie (DE)

▶ 18h00 :

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Dirk Vansintjan, Bundesverband  
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Renewables in private homes

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# Simone Peter

## Bundesverband Erneuerbare Energie

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