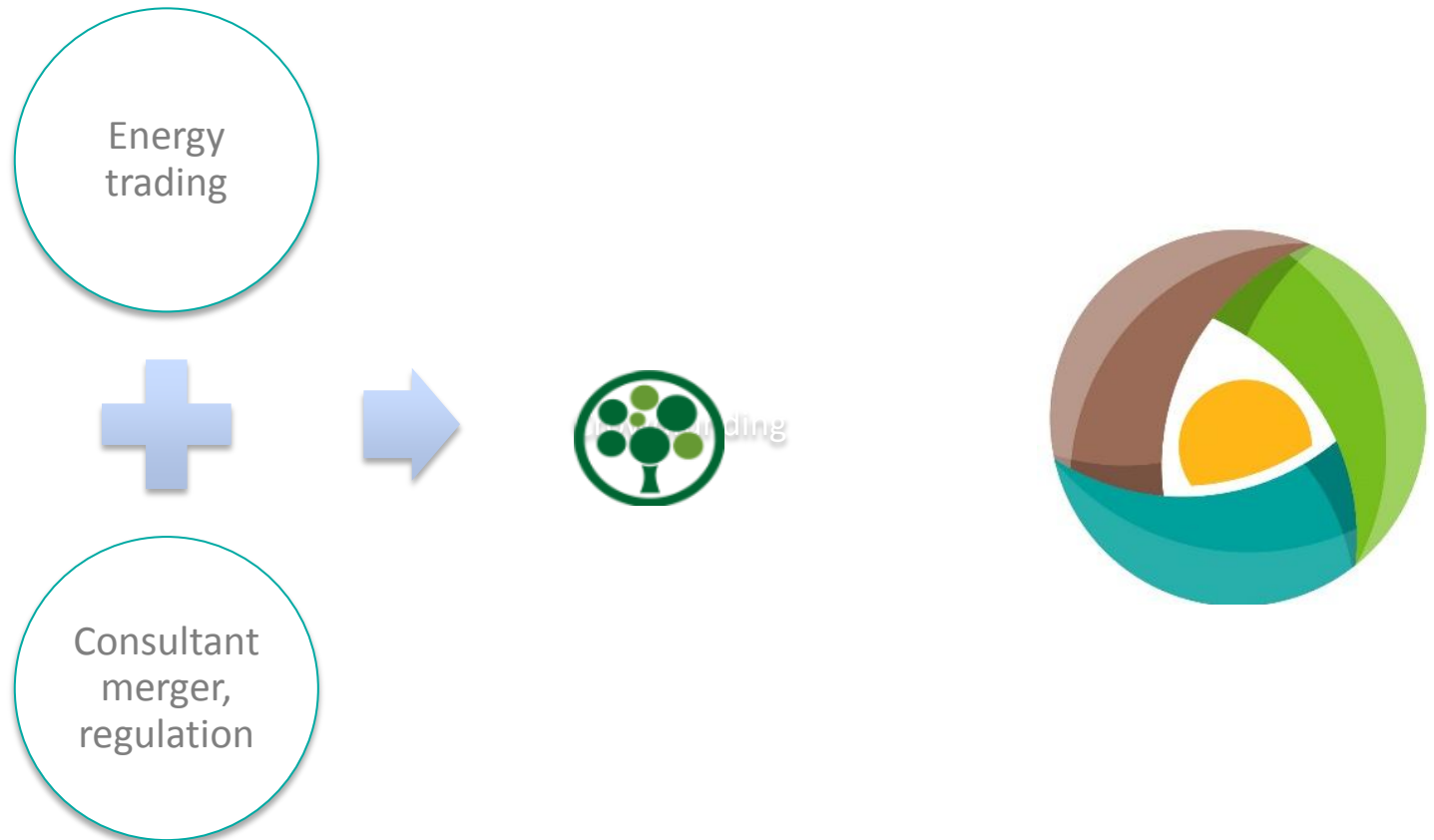


Citizen participation in renewable finance

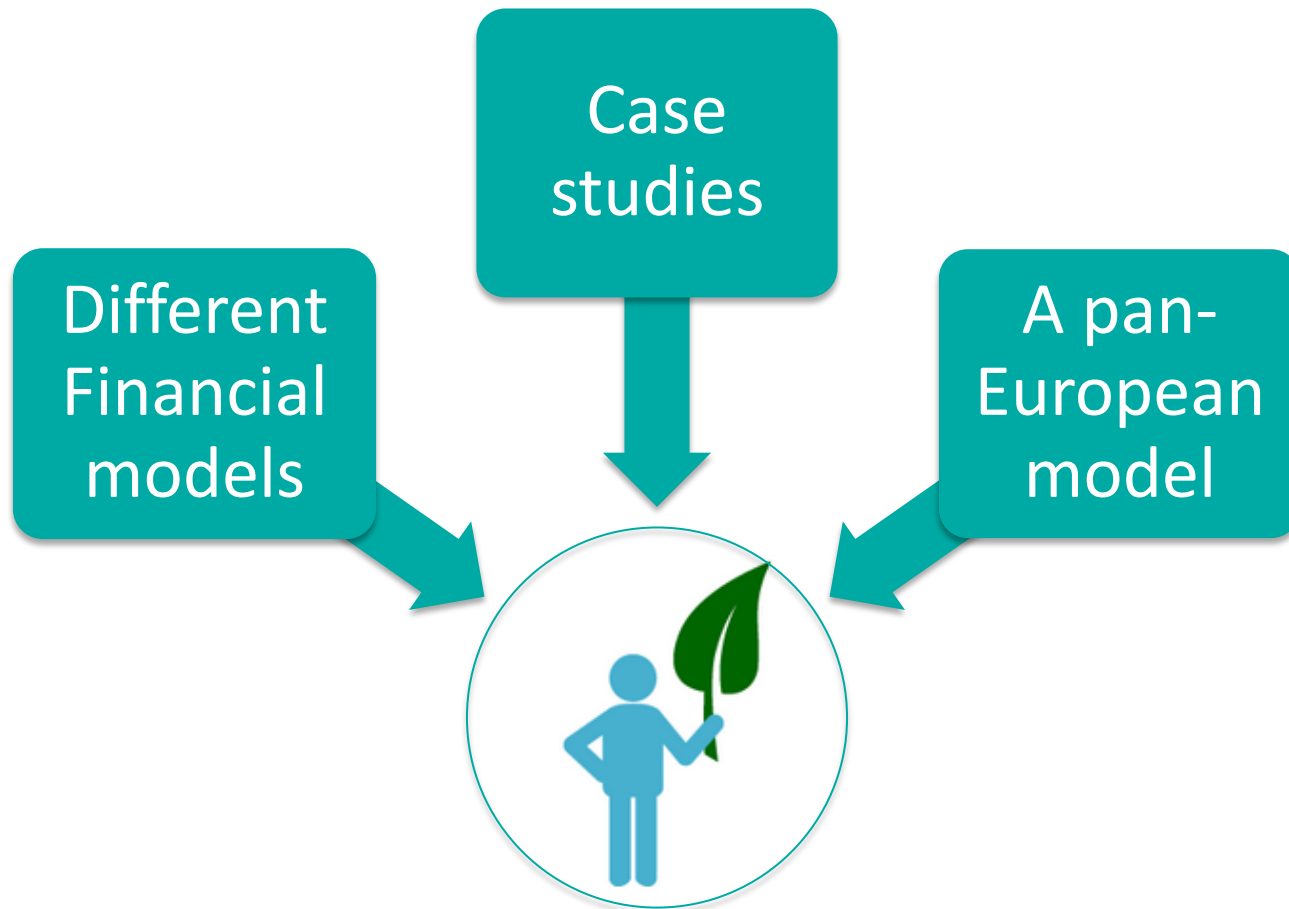
21. October 2016
REFIP 5.0

Sissy Windisch
sissy@greencrowding.com

Who am I?

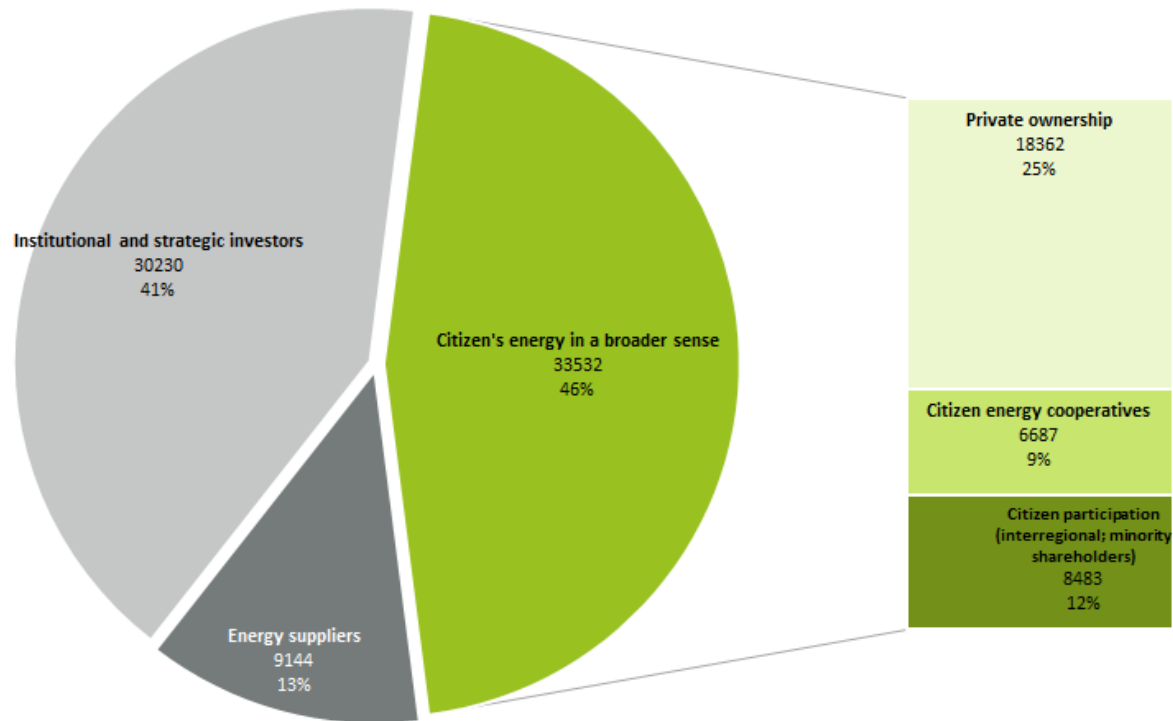


What will I talk about?

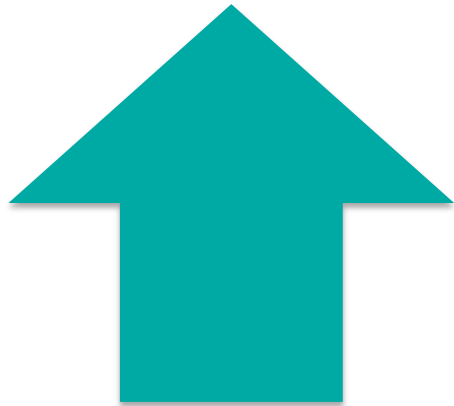


Why does it matter?

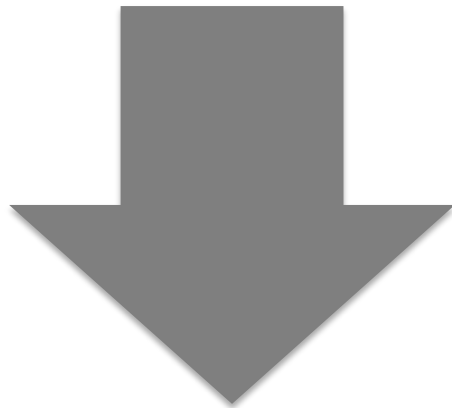
Ownership of 72 906 MW installed renewable capacity, Germany, 2012 in % und MW



Why does it matter?



Legal obligations to include citizen in new renewable projects
Fintech, Alternatives



Lower feed-in tariffs
Tendering



How do cooperatives work?

- Cooperative shares, long maturities, one member one vote
- Three organs: general assembly elects supervisory assigns management board
- Can include municipalities and companies as members in Germany

Example project: Valle Hermoso Solar



About Comments

VALLE HERMOSO
















Photovoltaic plant of 2,160 kW peak on land in Alcolea del Rio, Sevilla. The project is located in one of the areas of highest insolation of the peninsula. The production is equivalent to the use of about 1,300 homes, which represents an important contribution to our own production. The farm where the facility is located has an area of 8.6 hectares and is completely flat. The land is classified as industrial use since 2007. The proposed design is expected to have minimal impact on the ground. Som Energia has a lease the land for 25 years .

Visit the project webpage:
www.generationkwh.org/es/los-proyectos/alcolea-del-rio/

SOM ENERGIA

www.somenergia.es

-  **Technology**
SOLAR
-  **Power Capacity**
2160kW
-  **Exp. Energy Generation**
-  **Investment**
 -  Participation Type
Loan
 -  Crowd Investment Target
€ 2,041,025
 -  Total Investment
€ 2,041,025
-  **Duration**
 -  Start Date
2001/06/15
 -  Close Date
2016/12/31
-  **Location**
Alcolea Del Rio
-  **Status**
Planning
-  **Languages**
ES

[SUPPORT PROJECT](#)

How do cooperatives work?



Example project: Windvogel 2.0

Windmills



About Comments

WINDVOGEL 2.0
















De Windvogel is an energy cooperatives with 4 wind turbines. Due to a recent professionalization in the organisation the cooperative is developing a large range of projects. The cooperative expects to invests at least €5 000.000 in two wind projects.

Visit the project webpage:
www.windvogel.nl/

DE WINDVOGEL

De Windvogel is a cooperative of 3300 citizens and other legal entities. De Windvogel owns 4 windturbines and two solar parks

Visit the webpage:
www.windvogel.nl

-  **Technology**
WIND
-  **Power Capacity**
2200kW
-  **Exp. Energy Generation**
-  **Investment**
 -  Participation Type
Loan
 -  Crowd Investment Target
€ 5,000,000
 -  Total Investment
€ 20
-  **Duration**
 -  Start Date
2011/01/31
 -  Close Date
2020/12/31
-  **Location**
Utrecht
Netherlands
-  **Status**
Planning
-  **Languages**
NL

[SUPPORT PROJECT](#)



citizenenergy

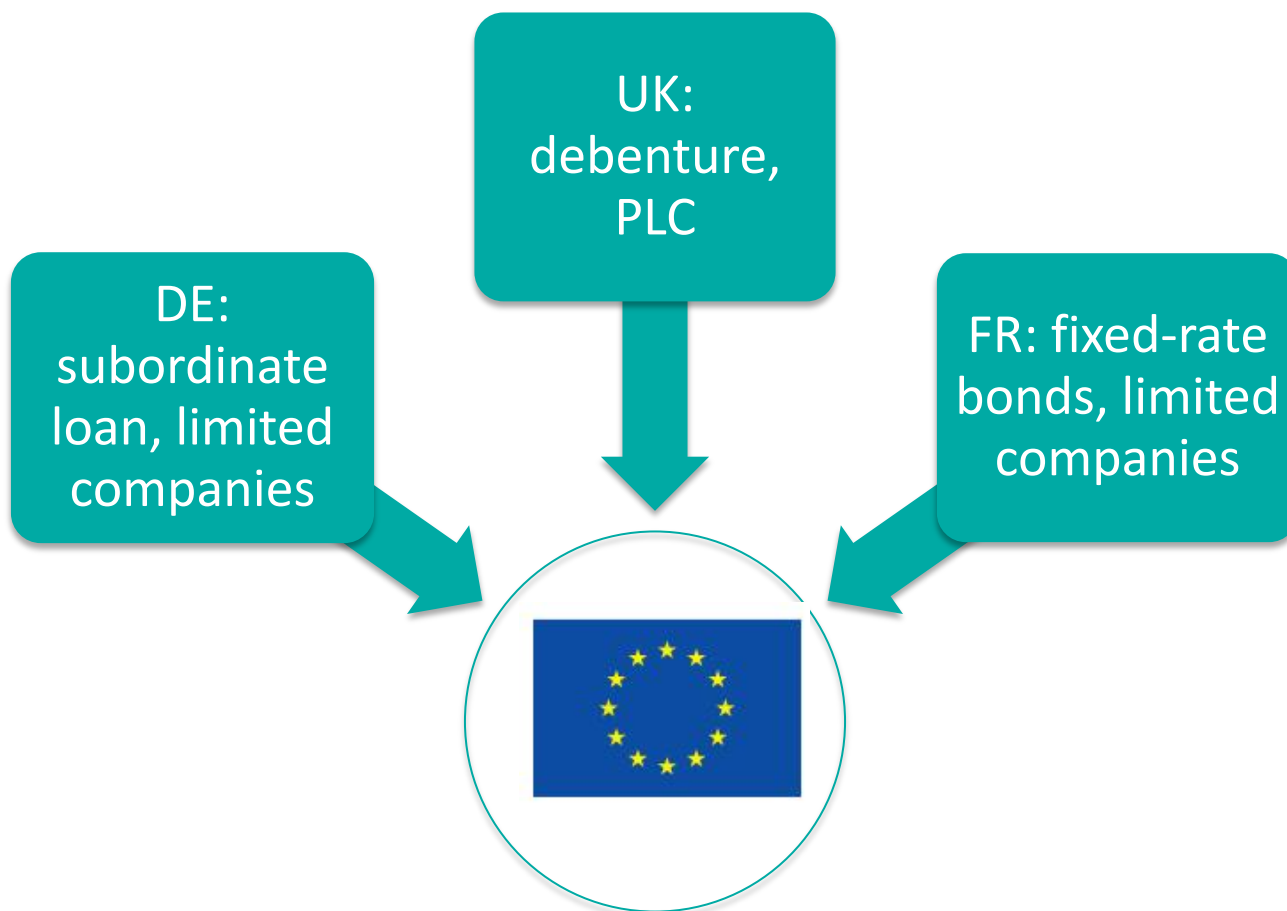
What about crowdfunding?



**#YOUR
POWER**



How does crowdfunding work?



Example project: Swindon Farm Solar



SWINDON COMMON FARM SOLAR

SOLAR

SUPPORT PROJECT

1,783,000
£
Crowd Investment Target

Loan
Participation Type

2016/06/30
Close Date

About | Comments

SWINDON COMMON FARM SOLAR

f t in

Swindon Common Farm Solar is part of Swindon Borough Council's mission to develop a low-carbon economy. You can help them achieve their goals while earning a return through a 20 year Fixed Return Debenture. The solar farm will provide a long term income for the Council to help provide all their local services as well as generating an annual payment for a defined community purpose. Structured as a Community Interest Company, it supports the council's work while sharing profits with the community. It also builds towards their aim of installing 200MW of renewable energy by 2020. This investment is a Fixed Return Debenture. This is a long-term debt investment where you are lending money to the project. Your invested capital is repaid over the life of the project and your money goes towards funding the installation of the solar PV system.

Visit the project webpage:
<https://www.abundanceinvestment.com/app/projects/swindon-common-farm-solar>

- Technology**
SOLAR
- Power Capacity**
4800kW
- Exp. Energy Generation**
4811 KWh
- Investment**
 - Participation Type
Loan
 - Crowd Investment Target
£ 1,783,000
 - Total Investment
£ 1,783,000
- Duration**
 - Start Date
2016/02/23
 - Close Date
2016/06/30
- Location**
Swindon
- Status**
Active
- Languages**
EN

SUPPORT PROJECT

Example project: Le Moulin de Courteron

Hydroelectric



Photo credits: Lumo SAS
www.lumo-france.com/projets/Courteron

About the project

Le moulin de Courteron is Lumo's first hydroelectric project. This 135 kW project is located south of Troyes. 350 k€ will be proposed to the public to finance the project alongside the banks.

This investment is a Senior Project Bond, a long-term debt investment where you are 'lending' money to the project. Your invested capital is repaid over the life of the project as a fixed annuity. Your money goes towards financing the installation of the Archimedes' screws used to generate clean electricity.

Visit the project webpage: <https://www.lumo-france.com/projets/Courteron>

About LUMO

Lumo is a French crowdfunding website which enables citizens to invest directly in renewable energy project

Visit the website: www.lumo-france.com

List of countries allowed to invest:

- France

	Technology Other
	Power capacity 135 kW
	Investment Type of participation Loan Investment target EUR350,000 Total investment EUR966,000
	Duration Start date Feb 15, 2016 Close date May 18, 2016 (3,1 months)
	Location Troyes - France
	Operational Status Open

SUPPORT THIS PROJECT



Co-funded by the Intelligent Energy Europe Programme of the European Union

14 EUROPEAN PARTNERS:
RES promoters & initiatives,
financial & legal experts,
NGOs & development agencies

**“...to boost effective citizen engagement
and investment in sustainable energy,,**





PROJECTS



TECHNOLOGY

All

PARTICIPATION TYPE

All

LOCATION

All

PARTICIPATION FROM

All

SUCCESSFULLY FUNDED

SWINDON COMMON ...

by: **ADVANCE INVESTMENT** + GB

SOLAR

Swindon Common Farm Solar is part of Swindon Borough Council's mission to devel...

£ 1,783,000 Investment Target Loan Participation Type 2016/06/30 Close Date

SUCCESSFULLY FUNDED

COOPERNICO'S PO...

by: **COOPERNICO** + PT

SOLAR

Coopernico's first PV projects were launched with the support of 3 European RES...

€ 80,000 Investment Target Loan Participation Type 2016/03/31 Close Date

SUCCESSFULLY FUNDED

ASMAL

by: **COOPERNICO** + PT

SOLAR

Coopernico, the first Portuguese renewable energy cooperative, has launched its...

€ 53,750 Investment Target Membership Participation Type 2016/09/26 Close Date

PERMANENTLY OPEN

WINDVOGEL 2.0

by: **DE WINDVOGEL** + NL

WIND

De Windvogel is an energy cooperative with 4 wind turbines. Due to a recent pr...

€ 5,000,000 Investment Target Loan Participation Type 2020/12/31 Close Date