



LOCHEMENERGIE

Je eigen energie

09-10-2019:

beacon ECCO LochemEnergie

the 7-fat years strategy

Tonnie Tekelenburg

Interreg 
North-West Europe
ECCO

European Regional Development Fund

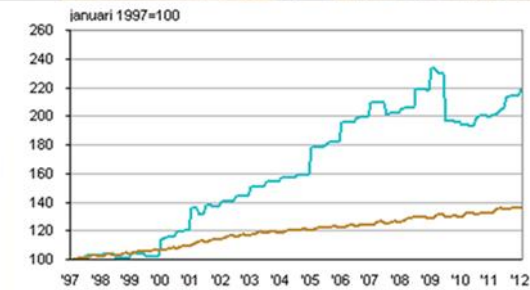


interreg 
North-West Europe
ECCO



LochemEnergie 2010

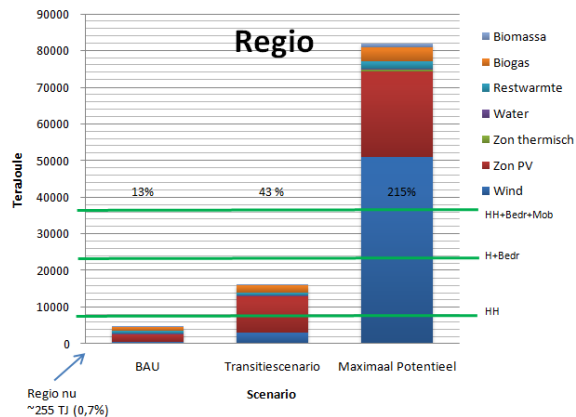
- Our fears and unwanted futures



0900
kies een 1 als
kies een 2 als

Scenario studies demand and supply:

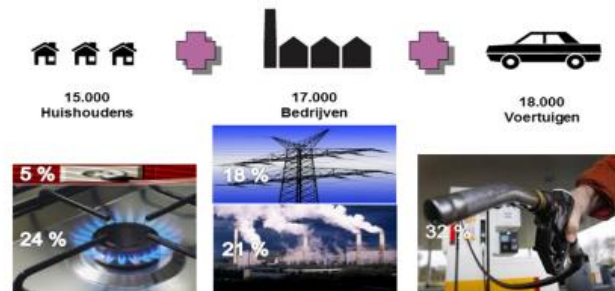
Energy-neutral region Stedendriehoek (Clean Tech Region):
a smart mix of energy sources is required



Energieambities in de Stedendriehoek, Alliander (2012)

E-Transitie gemeente Lochem

Totaal energieverbruik in 2010 = 100%



3.194 TJ





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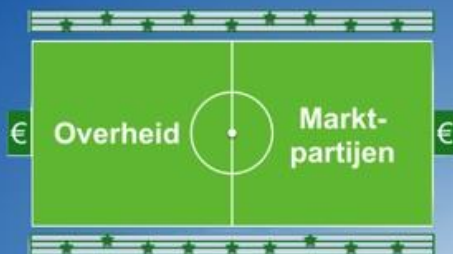
New ECCO playground for three actors: citizens, companies and governments

No citizens participation on the negotiation table on energy transition:
changing the playground



De Coöperatieve Samenleving

Naar een nieuw speelveld © DCS/TSG



Goals

LochemEnergie

Contribution LochemEnergie to:

- Sustainable development, climate policies,
 - By local production of renewable energy
- Stronger local economy,
 - By reinvestment of local profit
- Stronger social communities and quality of life,
 - By supporting local organisations
- Decreasing expenses,
 - By lower energy bill



State of the art

LochemEnergie

- 900 members
- 300+ clients
- 9 board members, 4 professionals part time + 45 volunteers;
- 145 solar-PV installation for tenants;
- 1000 PVpanels collective Solar installations with IPIN project;
- Yearly turnover: € 400.000
- €150.000 yearly funding for research and development;
- Investments >€ 1.000.000



Why in the ECCO project

- 1. LochemEnergie is a beacon in the ECCO project to learn from each other and be an example for outreach
- 2. by the ECCO project we aim at growing strong the next 7 (fat) years by big production sites of local renewables



Projects:

- 2x Hydropower
- 1x Windenergy
- 6x SolarPV on roof tops
- 1x SolarPV parks
- 141x Solar PV on rental houses
- 12x E-carsharing
- Energy saving e-coaches
- E-heatsystems



LochemEnergie can't do it alone

Two ECCO sub-partners:

Emovia for regional upscaling
electric (carshare) mobility

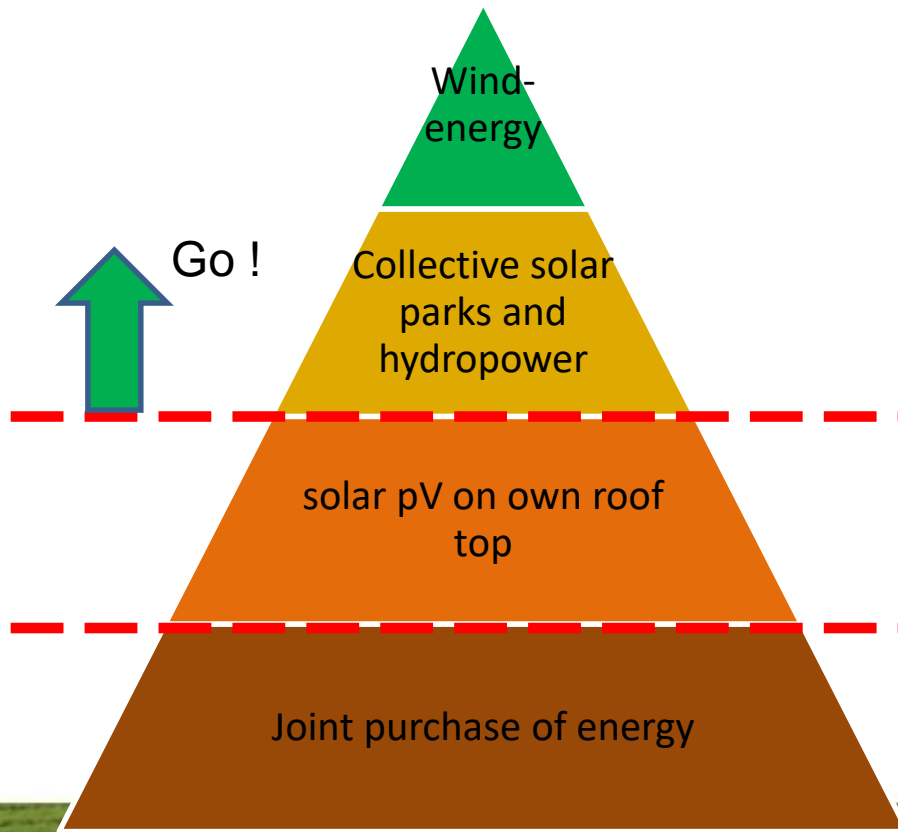
IJsselwind for regional upscaling on
wind energy development

And daughter ECCO's:
Eefde Waterkracht
LochemEnergie heat

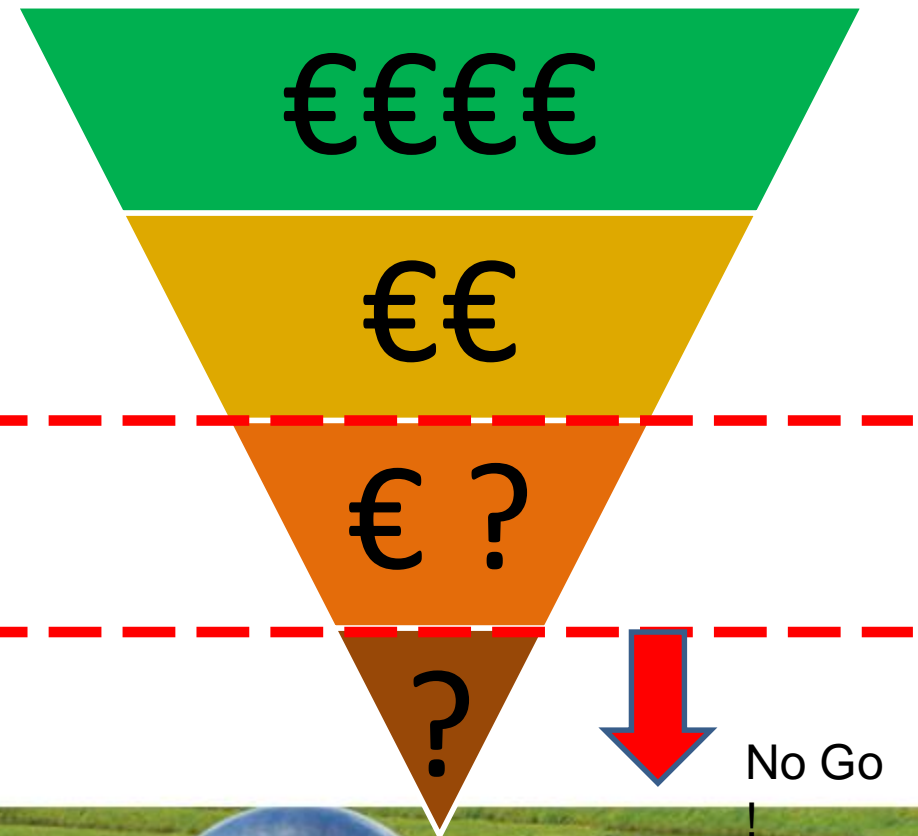


“Go” for collective investments

Chance short-term realisation



opportunity profit



Growth Strategy

- More projects on renewable energy production
- More members via campaigns and projects
- More clients for delivering renewable electricity and heat
- From meeting ZutphenEnergie:
 - Name building; gathering leads; persuade; registering
 - Energiecoaches in the e-saving “train”: digital desk; e-store; energy coach; advisors and installation team
 - Local fund for sustainable development supported by LochemEnergie
 - Offer to social partners (political partners as well) meeting room of LochemEnergie
 - Many activities simultaneously on member/client campaigns
 - Street billboards are effective



Visualisation: the 7 fat years strategy “sandwich”



Relation government

- Sharing vision and supporting goal setting
- Coordination on goals and implementation
- Supporting civil servants
- Innovation fund
- Sustainable revolving fund
- Research and pilot contracts
- Mobility contracts
- Energy saving desk
- DVO: energy transition implementation contracts



MISSION EMOVIA

ELECTRIC CAR-SHARING IN THE REGION

Mobiliteitsscenario's – eisen aan de mobiliteit van morgen

<i>Internationaal</i>	<i>Regionaal</i>	<i>Binnenstedelijk</i>
		



Verbrandingsmotor

Hybridisering

Plug-in/Range Extender

Elektrisch

Brandstofcel



The Mobility Factory/TMF: cooperative European approach



- Joint platform for reservation and payment of e-carsharing

Bent u particulier?



Ja

Nee

Wilt u investeren?

Ja

Nee

Wilt u leasen?

Ja

Nee

Wilt u delen?

Ja

Nee

Wilt u huren?

Ja

Bent u een bedrijf?



Ja

Nee

Wilt u één deelauto?

Ja

, dan via een coöperatie

Nee

Wilt u meerdere deelauto's?

Ja

Bent u een overheids-
instelling?



Ja

Nee

Wilt u één deelauto?

Ja

, dan via een coöperatie

Nee

Wilt u meerdere deelauto's?

Ja

Bent u een (energie)
coöperatie?



Ja

Wilt u één deelauto?

Ja

, dan via een overkoepelende coöperatie

Nee

Wilt u meerdere deelauto's?

Ja

Yes we can!

No matter you are:

- A household
 - > 12.000 km and investment
 - < 8000 km with subscription
 - < 2000 km
- Employee with lease car
- A company
- A government



7 propositions e-carsharing

1. Households with private car
2. Households with car investment via ECCO
3. Household with lease car from company
4. Group of households that lease e-car together
5. Cooperative with subscriptions and single rentals
6. Governments with weekend-evening-night rentals
7. Companies with weekend-evening-night rentals



Summary scenario

LochemEnergie

- keeping 2 x lease cars
 - buying 2 small e-deelauto's (€ 36.000 excl BTW)
 - Lease 2x young second-hand (€ 250,00 incl VAT/m each)
 - 5x cars from members (investors)
 - 2x sharing governmental lease cars (WEN)
 - 3x E-TRIP with driver service
 - +.....
-
- = 13 subsidies
 - = 15 TMF carsharing apps



MORE INFORMATION:

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