



Energielandschap
OOST-VLAANDEREN

Creating Landscapes for windenergy with local support

Ghent, 28 september 2016

STRATEGISCH PROJECT
Ruimtelijk Structuurplan Vlaanderen

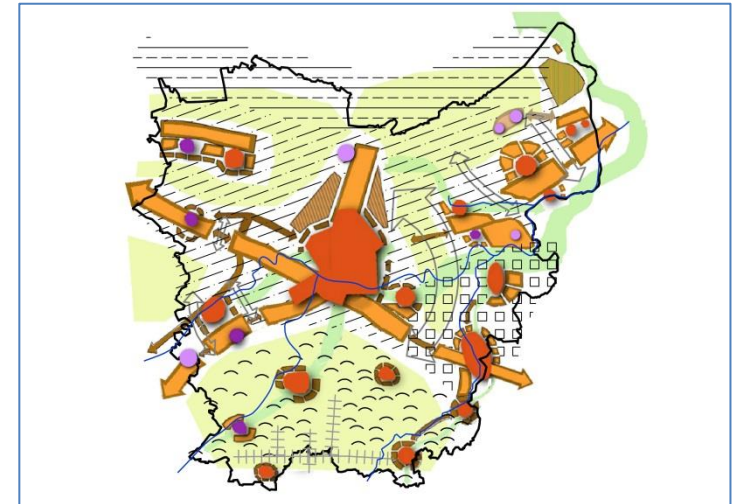
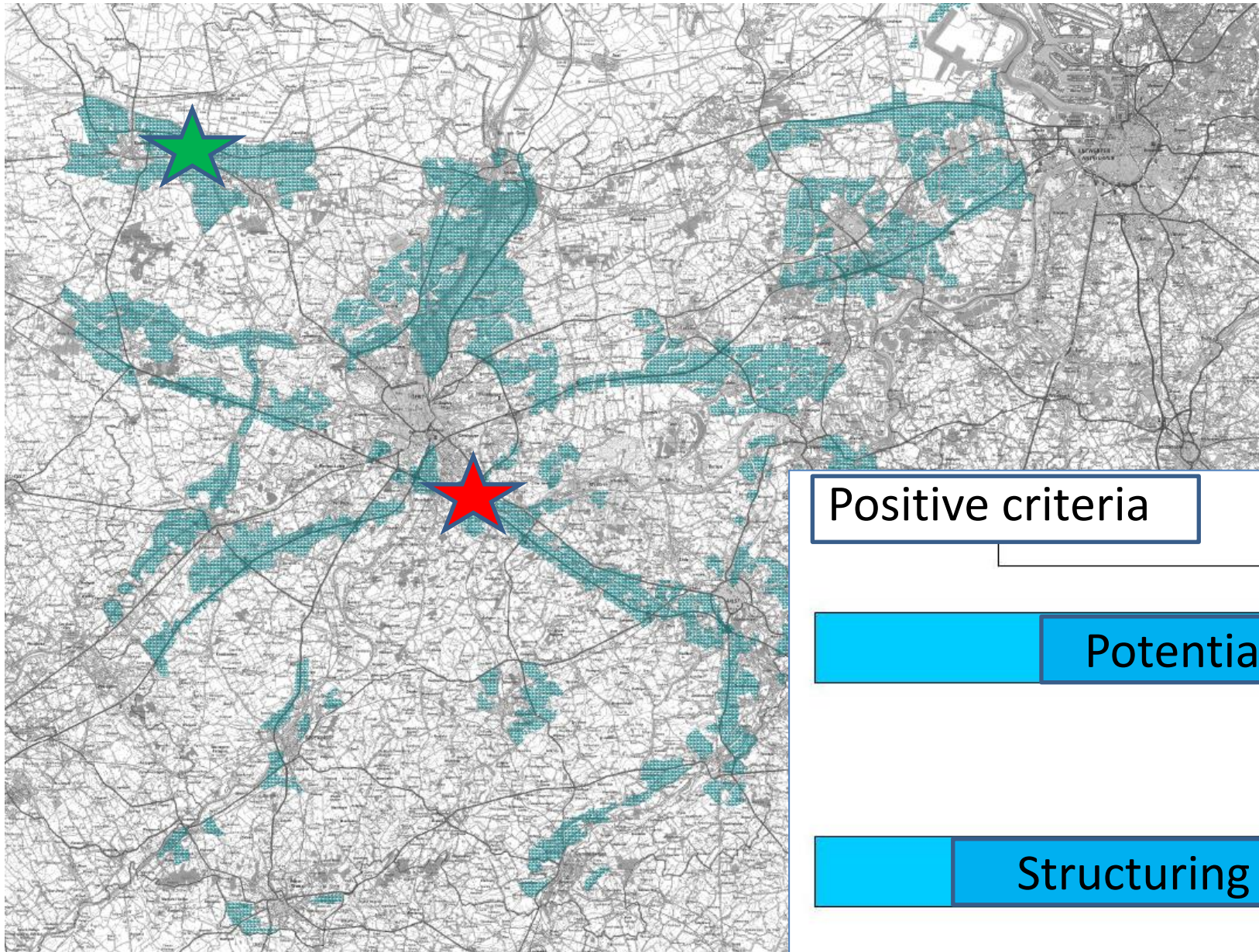


Provincie
Oost-Vlaanderen
Voor ieder van ons

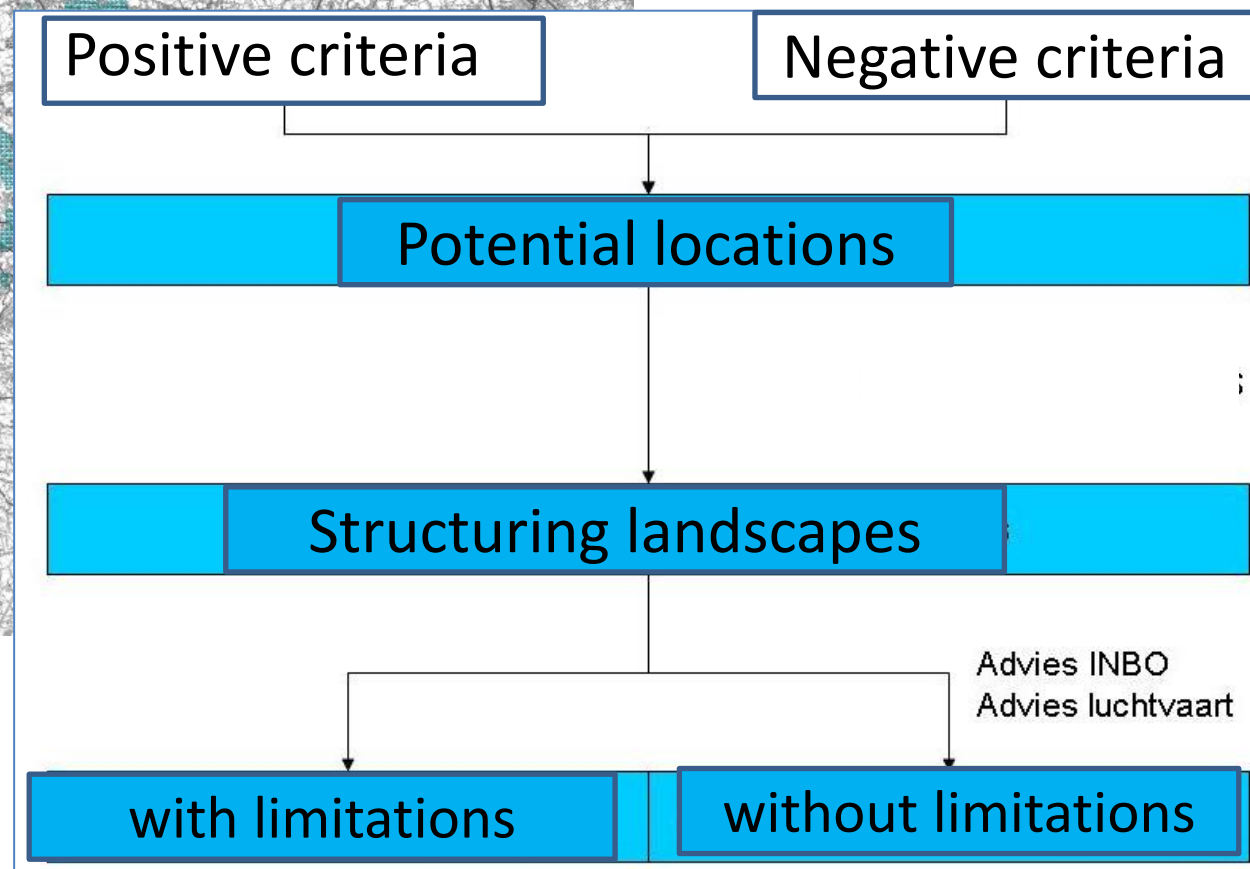
Creating landscapes for windenergy

1. A framework was needed...
2. Two plans: **Eeklo-Maldegem** and **E40**
 - Study of the landscape
 - Environmental study
 - Two spatial plans
3. On speaking terms with windfirms!
4. Creating involvement = creating value 😊

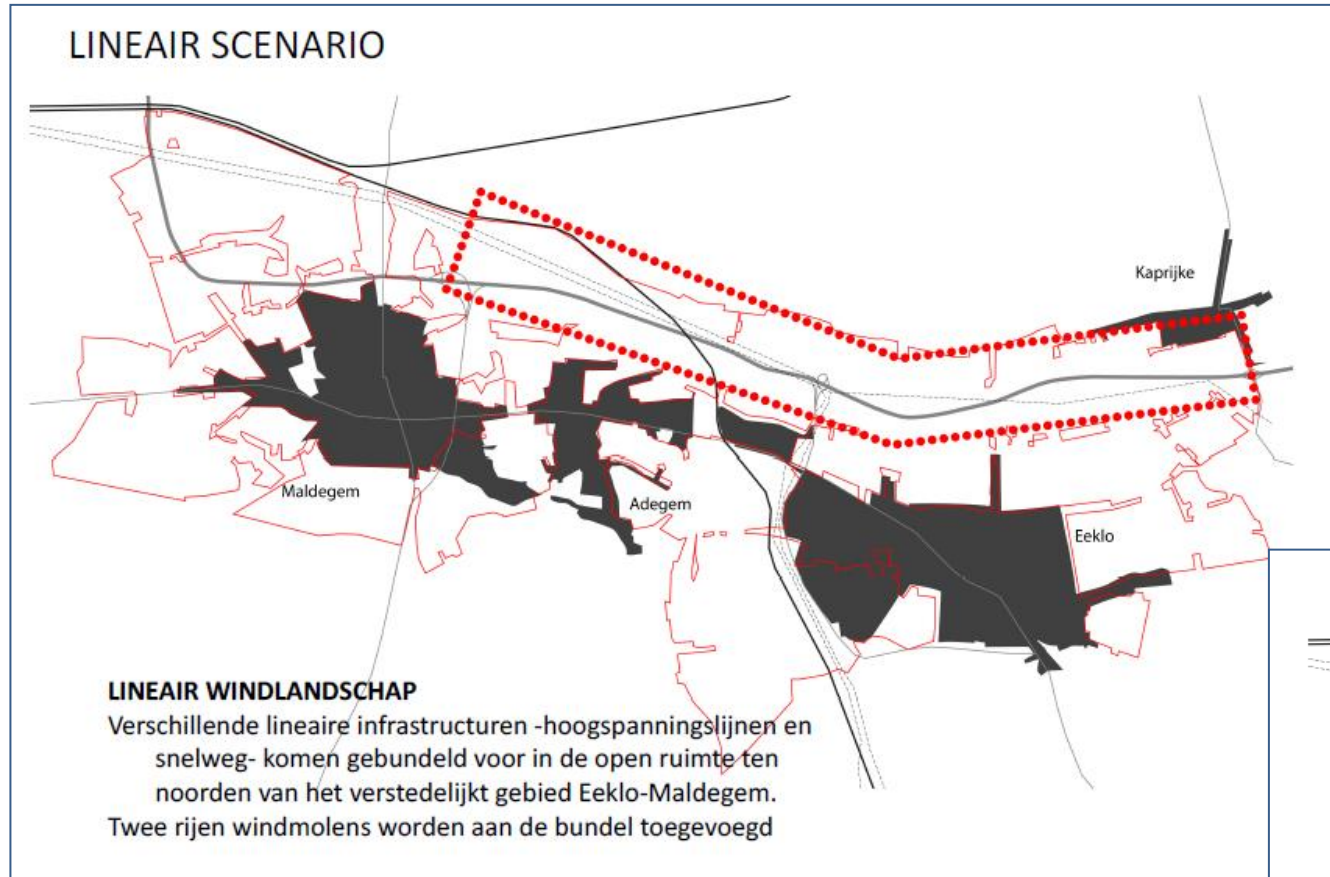
1. A framework for windenergy



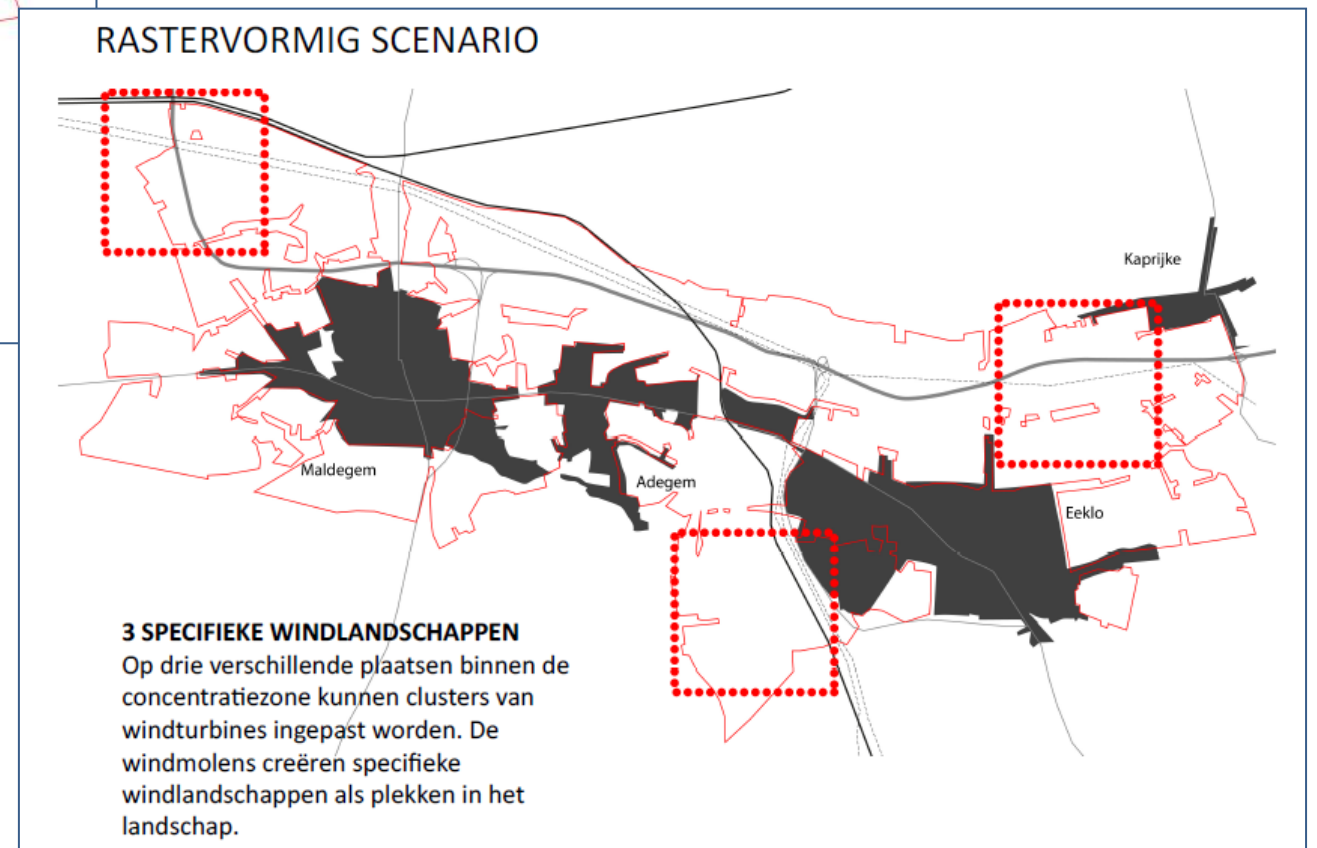
Potential locations



Study of the landscape Eeklo-Maldegem

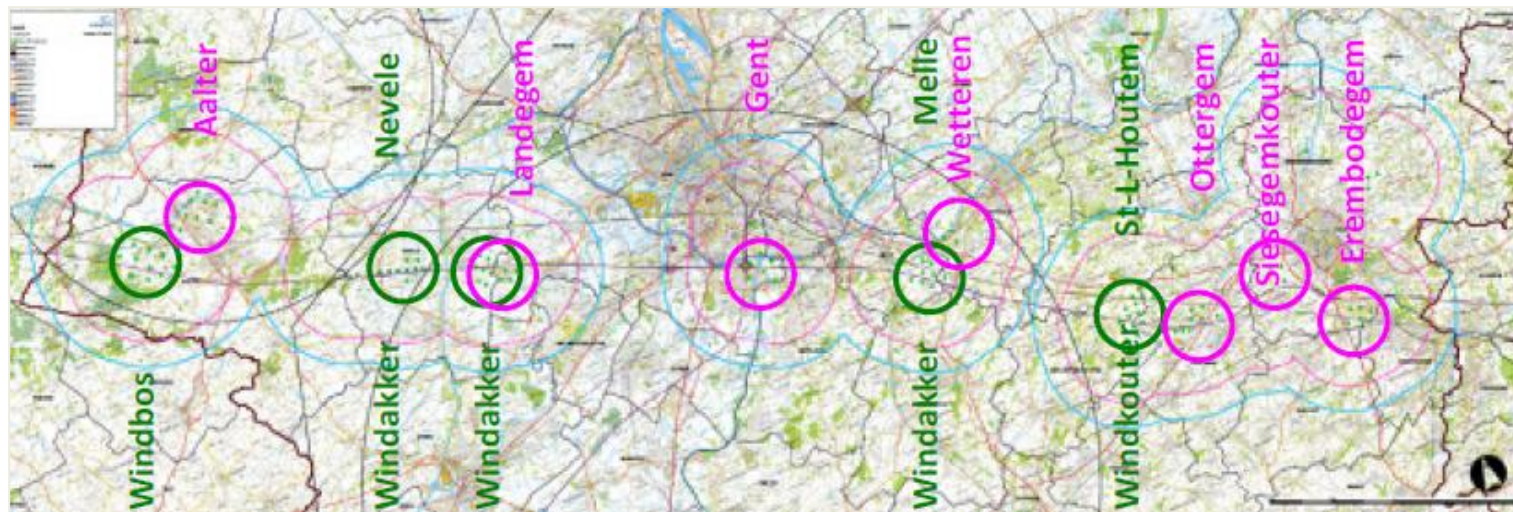
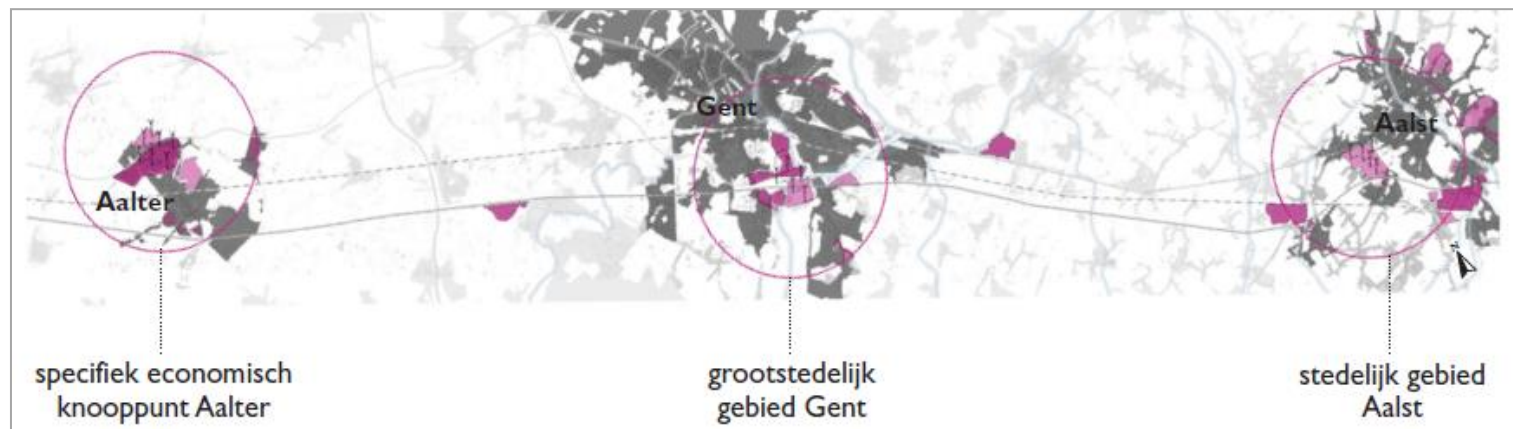


Linear scenario



Rasterscenario

Study of the landscape E40



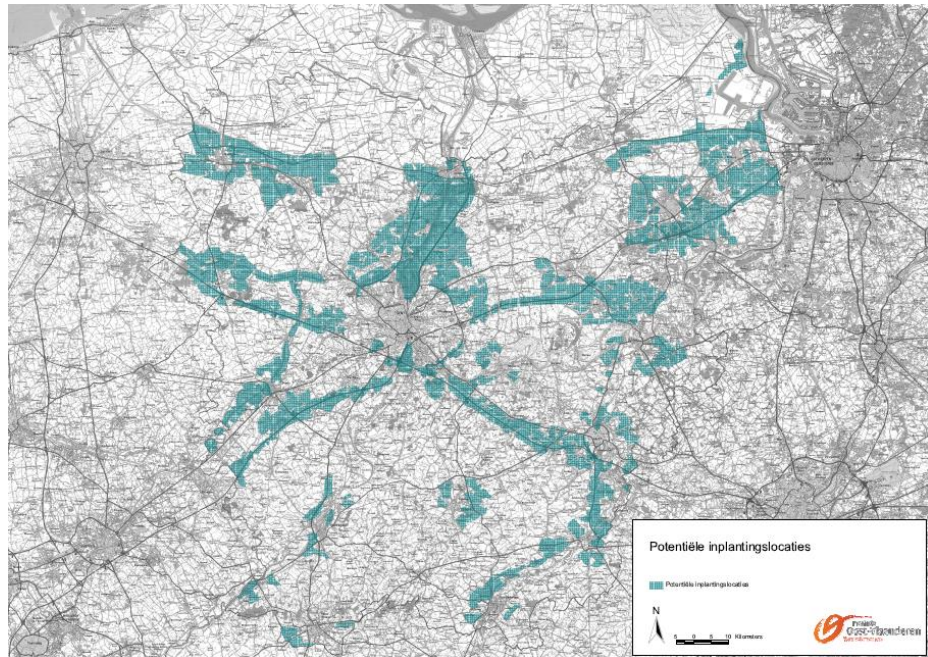
Different scenario's,
different models

On industrial areas or in open space

*In a forest, on a hill,
on a field,*

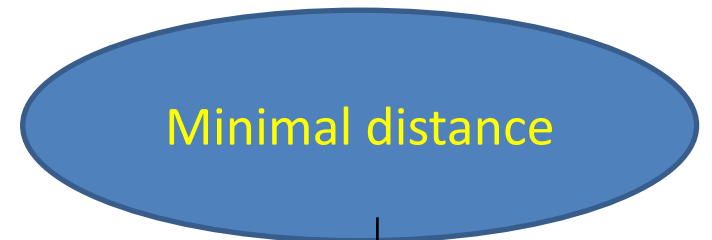
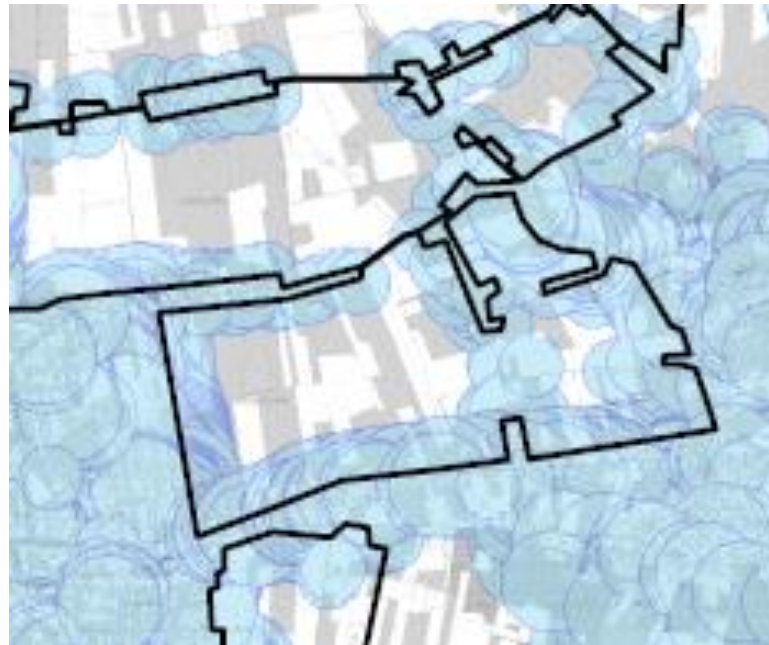


Environmental study



Framework

Buffer to houses



Maximum windenergy



Environmental impact on a theoretical basis

Environmental study



Authorized planMER

Regulation



Plan-MER Inplanting windturbines in zoekzone Maldegem-Eeklo definitief MER

Provincie Oost-Vlaanderen

26 november 2013
Definitief rapport
819961



Tabel 13.3 Richtwaarden voor windturbinegeluid

Gebiedsbestemming bij vergunning	Richtwaarde in LAeq,15 min dB(A) in open lucht		
	Overdag 7u-19u	's avonds 19u-22u	's nachts 22u-7u
1° gebieden voor verblijfsrecreatie	44	39	39
2a° gebieden of delen van gebieden, uitgezonderd woongebieden of delen van woongebieden, gelegen op minder dan 500m van industriegebieden	50	45	45
2b° woongebieden of delen van woongebieden op minder dan 500m gelegen van industriegebieden	48	43	43
3a° Gebieden of delen van gebieden, uitgezonderd woongebieden of delen van woongebieden, op minder dan 500m gelegen van gebieden voor KMO, van dienstverleningsgebieden of van ontginningsgebieden	48	43	43
3b° Woongebieden of delen van woongebieden, op minder dan 500m gelegen van gebieden voor KMO, van dienstverleningsgebieden of van ontginningsgebieden	44	39	39
4° Woongebieden	44	39	39
5° Industriegebieden, dienstverleningsgebieden, gebieden voor gemeenschapsvoorzieningen en openbare nutsvoorzieningen en ontginningsgebieden tijdens de ontginning.	60	55	55
5bis° Agrarische gebieden	48	43	43
6° Recreatiegebieden, uitgezonderd gebieden voor verblijfsrecreatie	48	43	43
7° Alle andere gebieden, uitgezonderd: bufferzones, militaire domeinen en deze waarvoor in bijzondere besluiten richtwaarden worden vastgelegd	44	39	39
8° Bufferzones	55	50	50
9° gebieden of delen van gebieden op minder dan 500 m gelegen van voor grindwinning bestemde ontginningsgebieden tijdens de ontginning	48	43	43

Maximum for noise

Maximum for umbra

necessary stillstand module

Max. 8u in a year and max. 30min in a day

Veiligheidsstudie verplicht bij elke projectaanvraag voor windturbines.

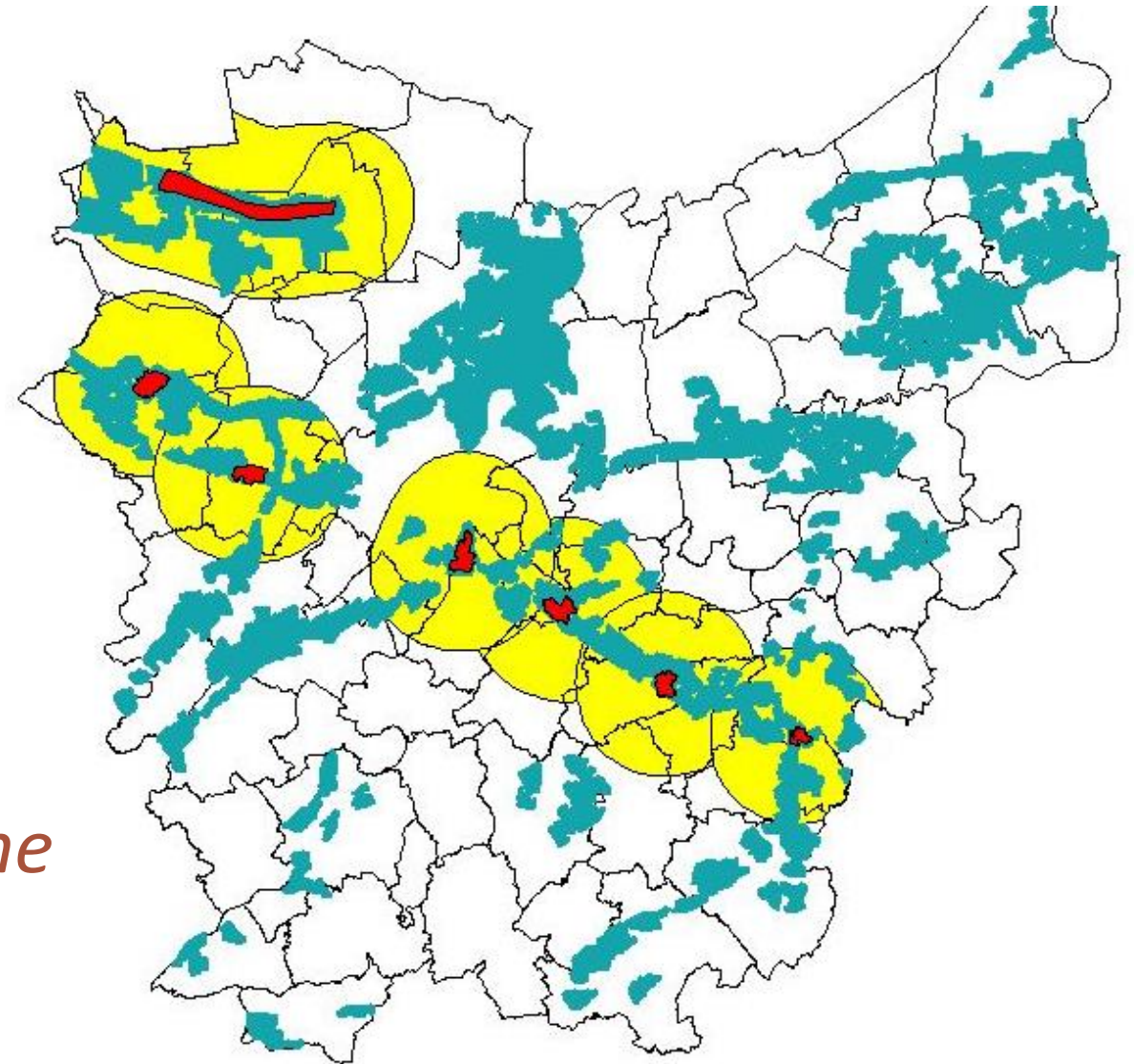
Belang van meldpunt voor klachten !!!

*Procoro nadrukt belang van **adequaate handhavingsbeleid** => gemakkelijk en toegankelijk meldpunt, opgericht en operationeel gehouden door Provinciebestuur*

Two spatial plans



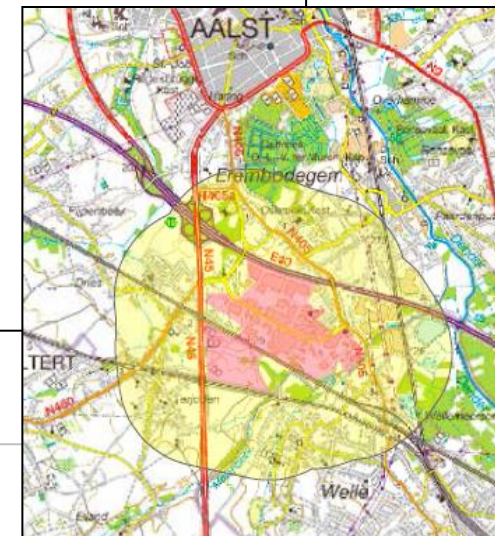
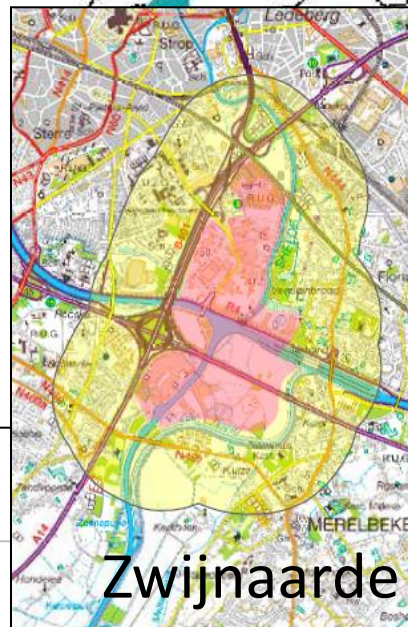
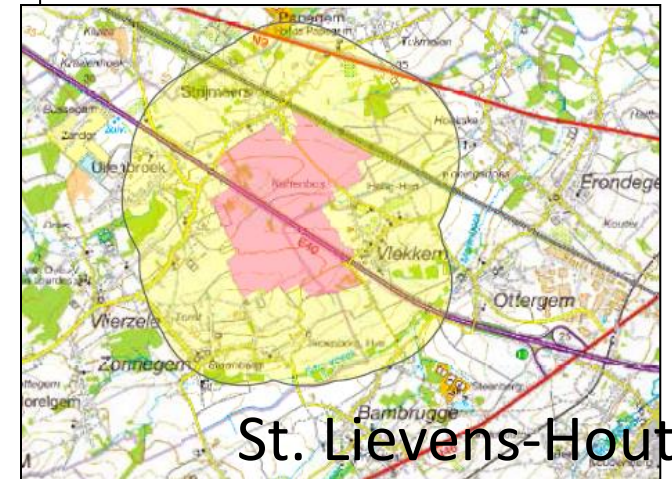
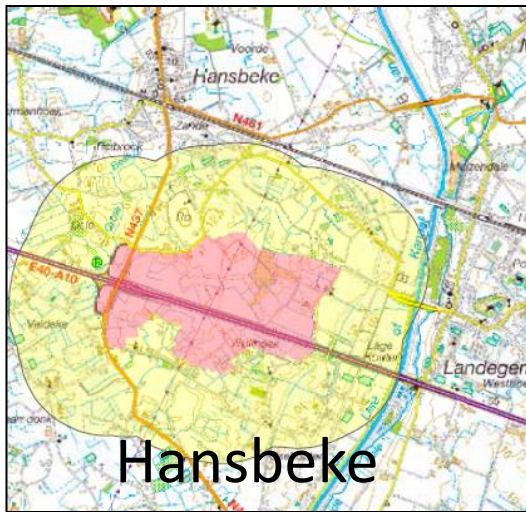
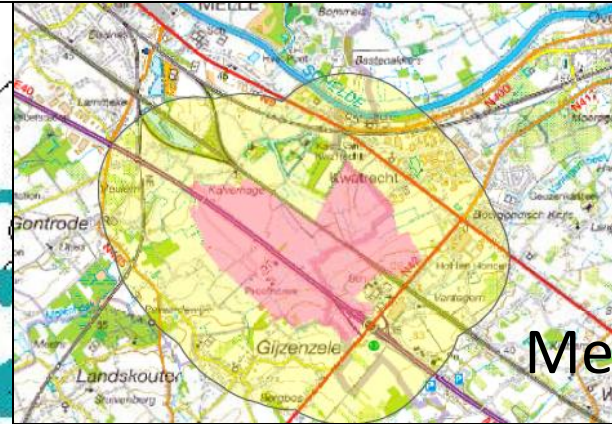
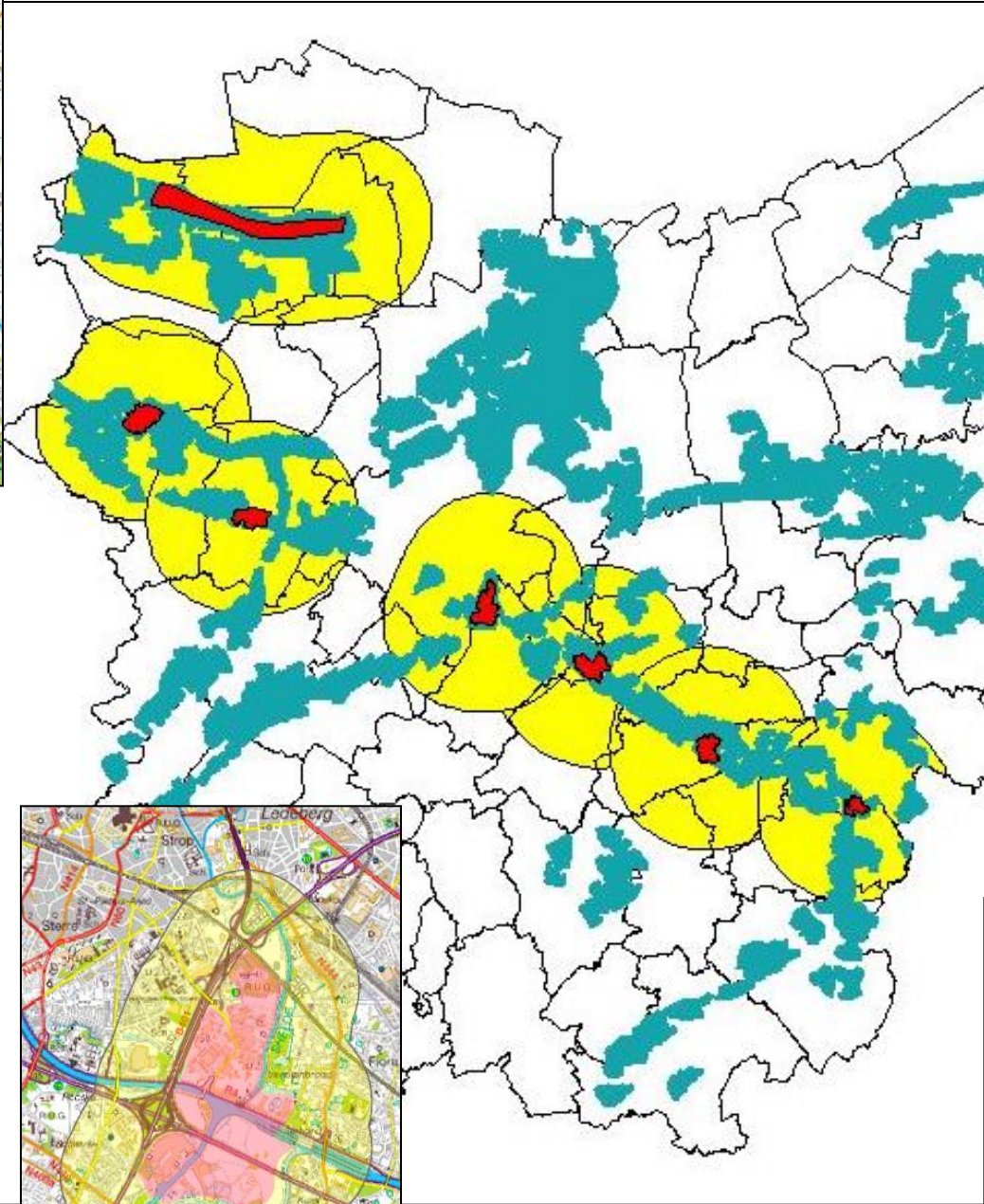
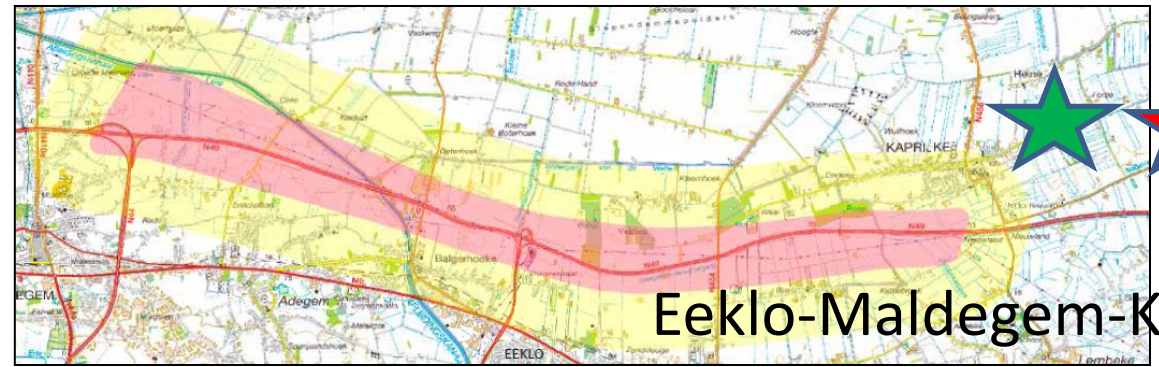
- Area for windturbines (red)
- 'Effectuated' area (800m)
- Area where windturbines are forbidden (yellow)



Note!

Principe of concentration en contrast created involvement, because it became clear where the turbines were coming, and where not!

Two spatial plans



2. On speaking terms...

Electrabel
GDF SUEZ

Eneco

electrawinds
POWERED BY NATURE

Nimby
Projects

storm
WINDPOWER

ENERVEST

colruyt

luminus

Aspiravi
renewable energy

We agreed on...

1. We started giving information about our intention and the process of planning locations for windenergy.
2. We asked for a 'stand still' in the area.
3. We asked them to be transparant about projects that they planned in the area => one vision/project.
4. We asked them to participate in fund for the environment and to create the opportunity for locals en local authorities to become owner of the project (envolvement!).

We agreed on...

5. We asked them to do a common environmental screening.
6. Now we ask them to ask the authorization at the same time (clarity of the total project area)...
7. And to have a common 'help desk', common communication, etc.

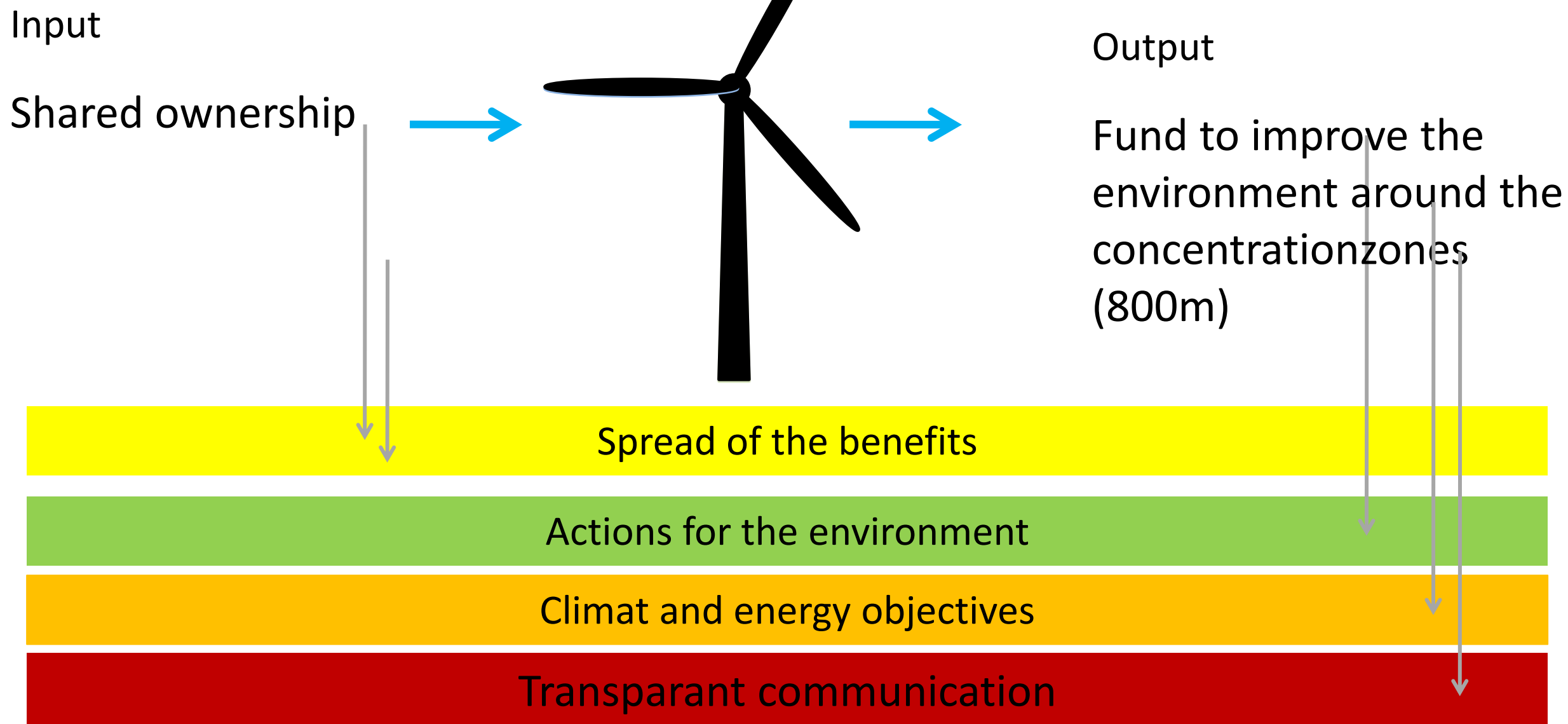
Coöperative attitude to have as much energy as possible in the area for windturbines

3. Creating involvement

1. Participation and transparent communication
2. Renewable energyscan
3. Towards a shared ownership..
4. Creating an fund to improve the environment (800m around the concentrationzone)



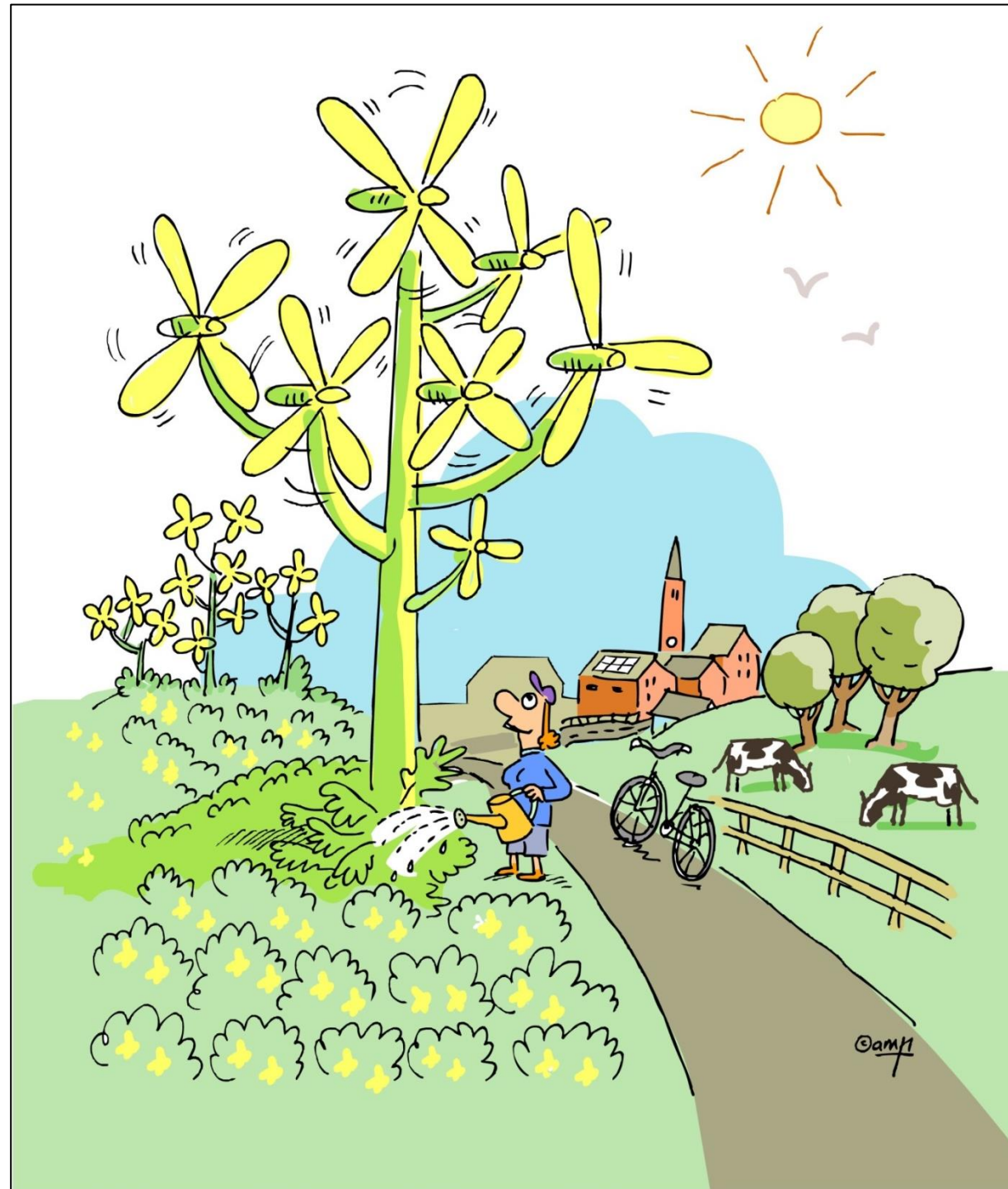
Model against 'nimby'



3. Creating involvement – Inspiration

1. Danish legislation, German windflow → succes of many local coöperatives. Flemish situation quite different however...
2. Windfirms way of working (offering money)
3. Talking to stakeholders, to citizens, local communities
 - “Chosen ones” but not in a bad way
 - Ties that bind (windturbines and surroundings)
 - Added value, not a bribe

Fund to improve the environment



Fund to improve the environment

- A fund sponsored from the benefits of the windenergy (windfirms):
 - Foundation ‘without interests’=> statutes
 - The neighbours decide which actions/projects can be sponsored in their environment (800 m).
 - The windfirms have a advising partner (with veto)
- A symbolic recognition of the different actors (windfirms, neighbours, farmers, etc)
- Lever towards an energylandscape with a long term vision!



Creating landscapes for windenergy



<https://vimeo.com/180855610>



Energielandschap
OOST-VLAANDEREN

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4. Recommendations

- Concentration and contrast!
- Integral plan: spatial planning + engagement windfirms + participation and transparent communication with different actors
- The proces takes time but leads to more windturbines (EM: +20 wt ; E40: +18)
- Neutral actor is important:
Oost-Vlaanderen Energielandscape
- Toolkit Oost-Vlaanderen Energielandschap

5. What did we accomplish?

- Spatial plan Eeklo-Maldegem approved and in development
- Eeklo-Maldegem: environmental fund on its way
- Part of the windfarms engaged to direct participation (and others do their own version)
- Two new coöperatives

6. Contacts

Oost-Vlaanderen Energielandschap is looking for partners for (European) projects !

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