



Covenant of Mayors
for Climate & Energy

Pays des
Condruses
Local Action Group



301, 4 km²

± 30 000 inhabitants

7 villages: Anthisnes,
Clavier, Marchin,
Modave, Nandrin,
Ouffet, Tinlot



Reducing CO2 by 40% by 2030 through a local climate plan



European Network for
Rural Development

ENRD LEADER Thematic Lab. 10.12.2019.

"Climate Change Mitigation and Adaptation" Brussels



Fonds européen agricole pour le développement rural :
l'Europe investit dans les zones rurales



Avec le soutien de
la
Wallonie

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= non profit organization (Governing Body: Mayors and local Associations)

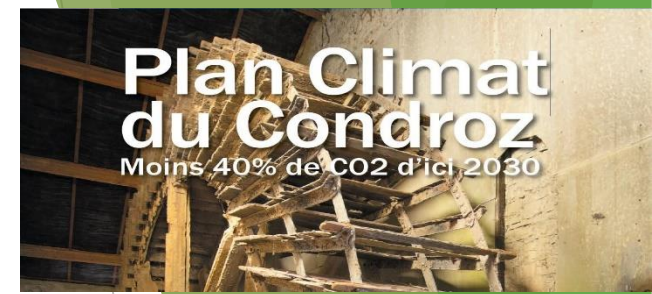
Funded by Wallonia region (45%) + EAFRD (45%) + 7 Villages (10%)

2008-2015: first Program including a.o. the projects:

- « Agriculture and Energy » because of local experience and local demands
- « Local Economy » to develop Cooperatives, local Companies,..
- Large Studies on Biogas Potentials / Micro-Hydropower plants, support to local Cooperative and Companies

2016: Registration in the Pollec II (Wallonian funds: 16,000 €)

- working out a Climate Plan with a local Committee and support of APERE (Reg. Coordinator for Wallonia) and Liege Province.
- Writing and presentations of the local Action Plan (PAED) and signatures of the 7 Mayors (Sept. 2017).



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2017-2021: New Program and new projects

Budget (320 k€): Personnel and operating costs for 80% + Promotion, studies, ..= 20%

- ▶ Territorial Energetic Transition (planned on bottom-up approach before the Local Climate Plan, but integrations of 'Climate Plan Measures')
- +
 - ▶ Local Economy development (with a.o. energy in local companies)
 - ▶ Mobility (with a.o. bicycles, car sharing,...)
 - ▶ Housings (with a.o. energy saving and Ren. Energy)
- Co-operation project: local production of wood for energy

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Local Climate Plan= -40% CO2 in 2030

With different potential actions:

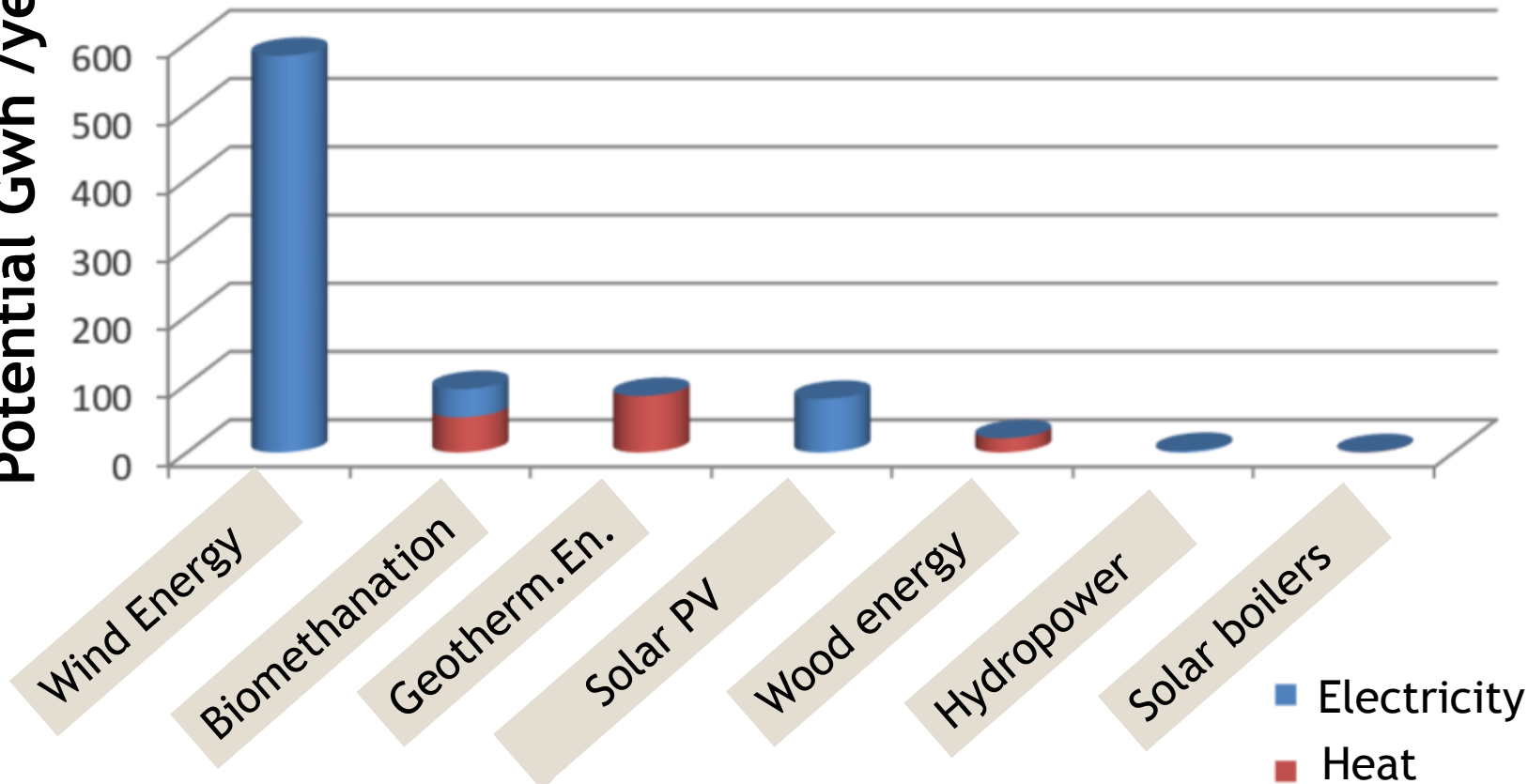
- Renewable Energy:
 - 12 x 3 MW windmills, 2000 private and 10 big PV plants, 2 biogas plants of 600 kWel, 4 small hydropower plants
- Energy saving:
 - Insulated private roofs (7,600), walls (1,600), windows
 - Electricity savings in Housings and industry (-10%)
 - Eco-drivers (1,200), car sharing (300), cyclists (300), electric cars (2,300)
 - Agriculture (-20%)

First LAG's Activities: Meetings in working groups, local fair, websites, facebook and leaflets for politicians and citizen. LAG extended its activities to integrate 'Climate Plan Actions' (but with staff and budget limits!) while "most Villages Authorities feel relieved that the LAGs are taking that responsibility".

For 'rare' projects: Regional subsidies are increased by 5% if the Village signed the Action Plan.

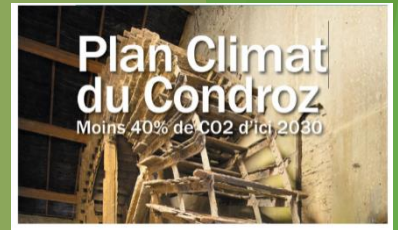
Energy consumption: 830 GWh in 2012
Ren. Energy potentiality: about 800 GWh

Potential Gwh /year

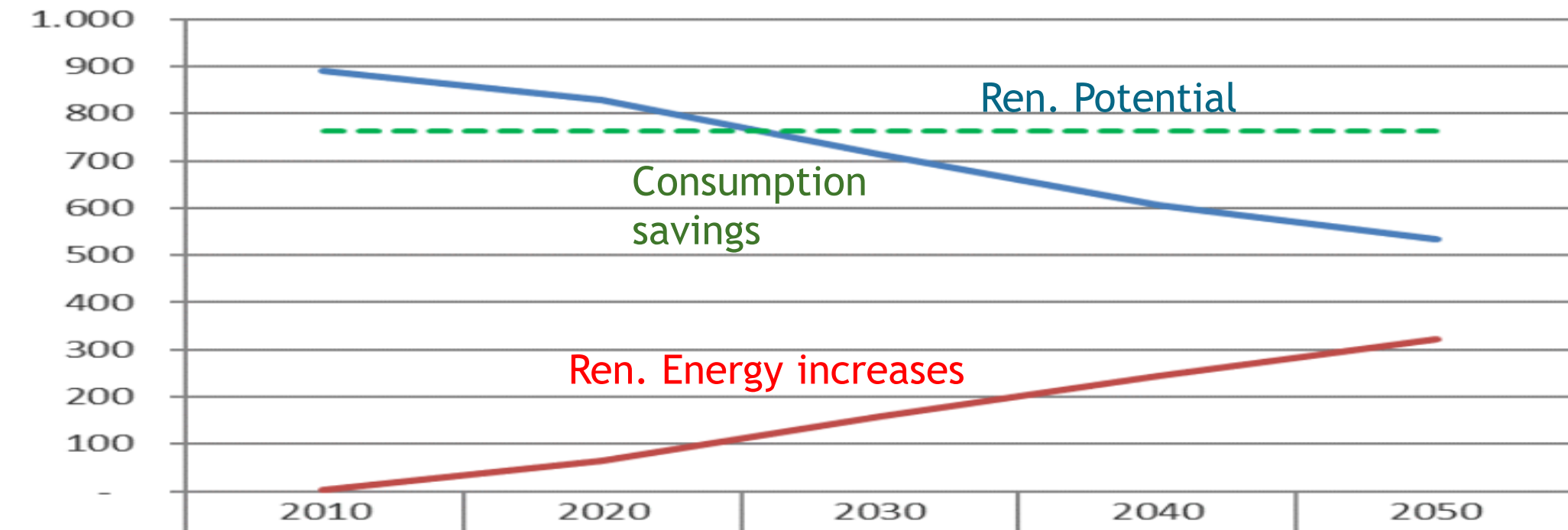


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Renewable Energy potential: about 800 GWh



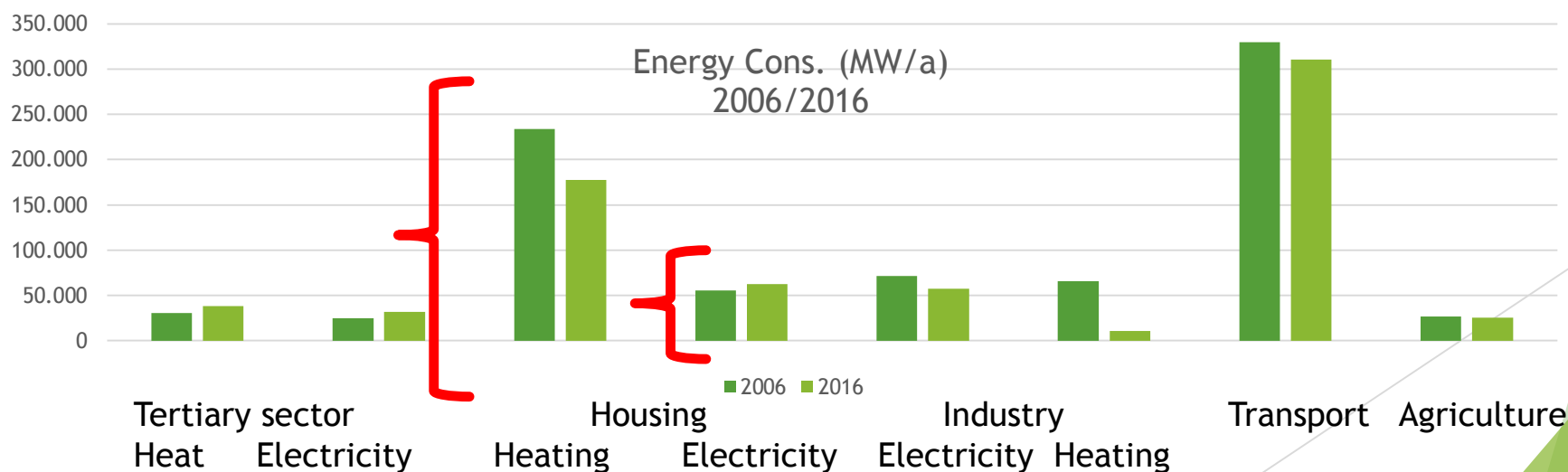
2050 PATH (GWh)



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First balance: 2006 / 2016

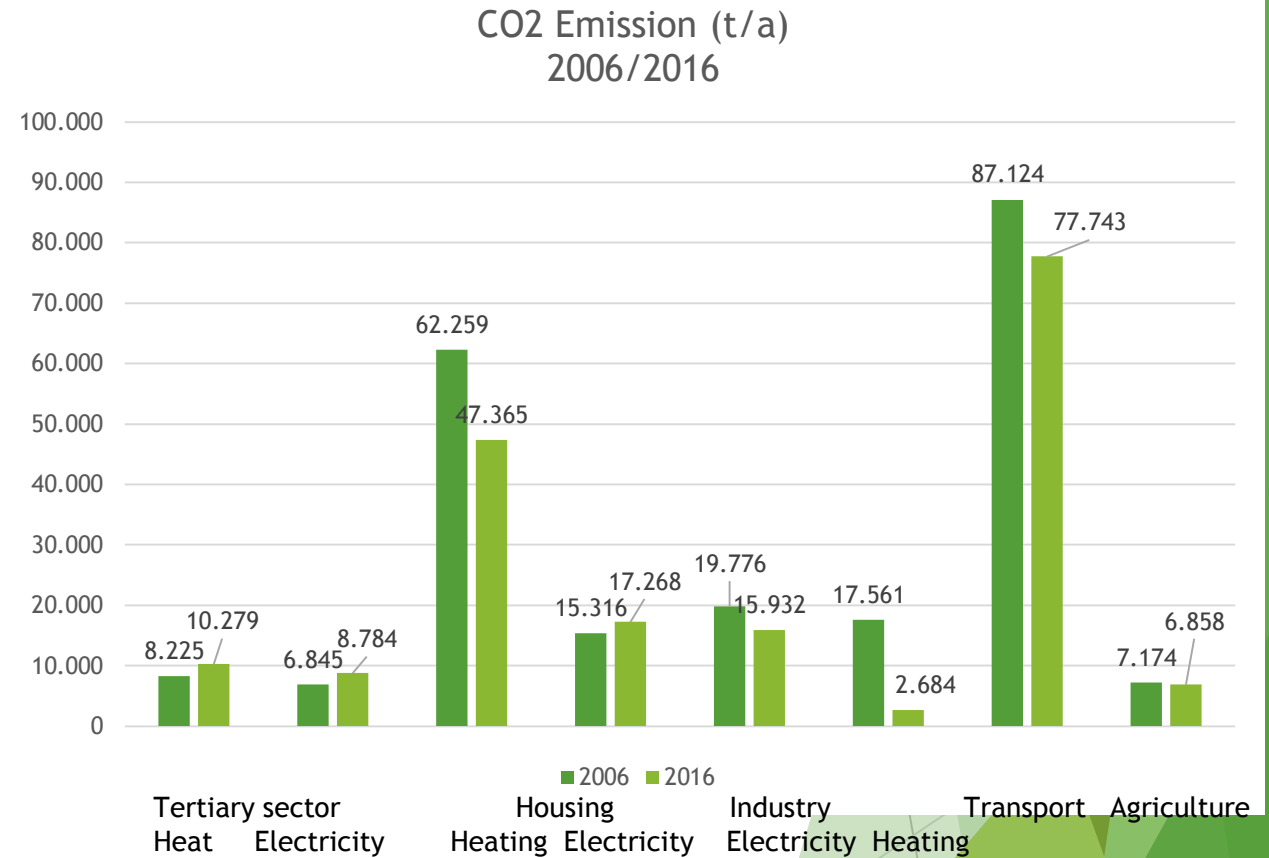
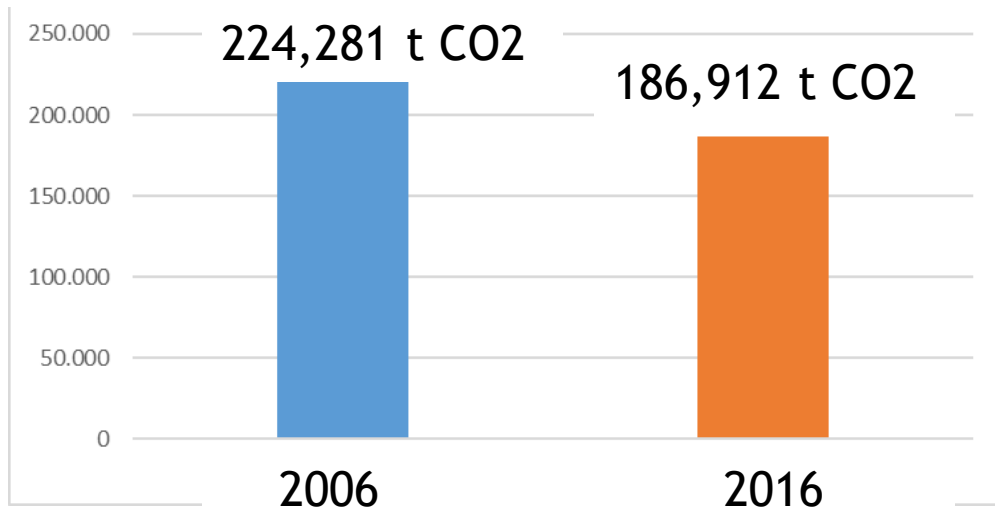
	2006	2016	2020
Habitants	27,420	29,544	
Energy cons.	859 GWh/year	768 GWh/y	
Ren. Energy	22 GWh/y	68 GWh/y	
Ren. Energy (10 new Windmills, Biogas x 2, PV, wood energy)			154 GWh/y



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First balance: 2006 / 2016

CO2 emissions (t CO2/a):



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Local Climate Plan= -40% CO2 in 2030

2018/2019 First achievements:

- « Quick scans » and PV plants on municipal buildings (5 kWp) (<2018)
- 1 biogas plant (600 kWel+600 kWth) (3 projects stopped by citizens)
- 5 x 3.2 MW windmills with 1 local Cooperative-owned windmill
- Energy savings in private housings

(with Cooperative Corenove, receiving 3% on the investments):

- Information meetings in each village and registrations of ‘clients’
- Quick scans and technical/financial proposals and analyses
- Proforma invoice by (Pre-selected) local companies and installations
- In 10 months: > 500,000 € invested by the ‘clients’



A graphic titled "Participez à Rénov'Energie" (Participate in Renov'Energy). It features a house silhouette with arrows pointing to different parts, indicating energy loss percentages: 30% for the roof (toit), 25% for walls (murs), 12% for windows (châssis), and 7% for the floor (sol). The text "Economisez l'énergie tout en améliorant votre confort" (Save energy while improving your comfort) is written above the house. Below the house, it says "Pertes d'énergie d'un logement mal isolé" (Energy losses of a poorly insulated home). At the bottom, the website "www.galcondruses.be" is listed, along with the logo for "Plus de 100 ans de Condruses".

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2018/2019 First achievements:

- Industrial companies: Duchene: PV: 250 kWp and wood heating: 100 kWth + Galvaco: 150 kWp PV
- Hydropower plants (max. 75 kW): 2 existing + 2 studies
- Fuel meters for public buildings, awareness-raising, fairs, conferences, websites, facebook, mailings, visits, co-operation with an NGO(Devenirs) for training (building insulations with natural materials)
- Studies of PV installations for public sectors
- Raising awareness of and meetings with private companies, villages representatives...
- Study for a wood boiler for public buildings (heat network, 600 Mwh/a)
- Promoting/reports on successful projects (heat pumps, geothermical energy, solar panels, wood boilers..)

New Developments: + 600 kW biogas plant + 2nd year housing energy renovation + wood boilers + solar panels for public buildings and private companies/citizen + new geothermical plants+ 7 windmills !

