



Coordination and valorisation of the tools developed for new Renewable Energy Communities in Wallonia

Renaud Dachouffe / Cluster TWEED (Belgium)



Energy communities for collective self-consumption: frameworks, practices and tools
Session 7: From tool development/spreading to living projects – September 08, 2020

1- Cluster TWEED

- **Networking** between industrial or commercial companies and others actors of sustainable energy sectors
- **Reactive and proactive approaches** in order to stimulate new projects
- Set-up technical **support** and **management** of projects
- Promote networking by organizing specific **events**, general meetings, workshops, bilateral meetings, face-to-face meetings, visits to companies,...
- **Develop synergies** with other actors of sustainable energy sectors (clusters,...)
- Local and international **promotion** of members.
- Carrying out industry, technical, market and economic **studies** on sustainable energy sector
- Participation in **Regional/European/International projects**

1- Cluster TWEED



Low-carbon mobility
Energy efficiency in buildings
Energy conversion and storage **Smart grids**
Energy efficiency in industry
Renewable energies mix
Microgrids



2- Energy Communities in Wallonia

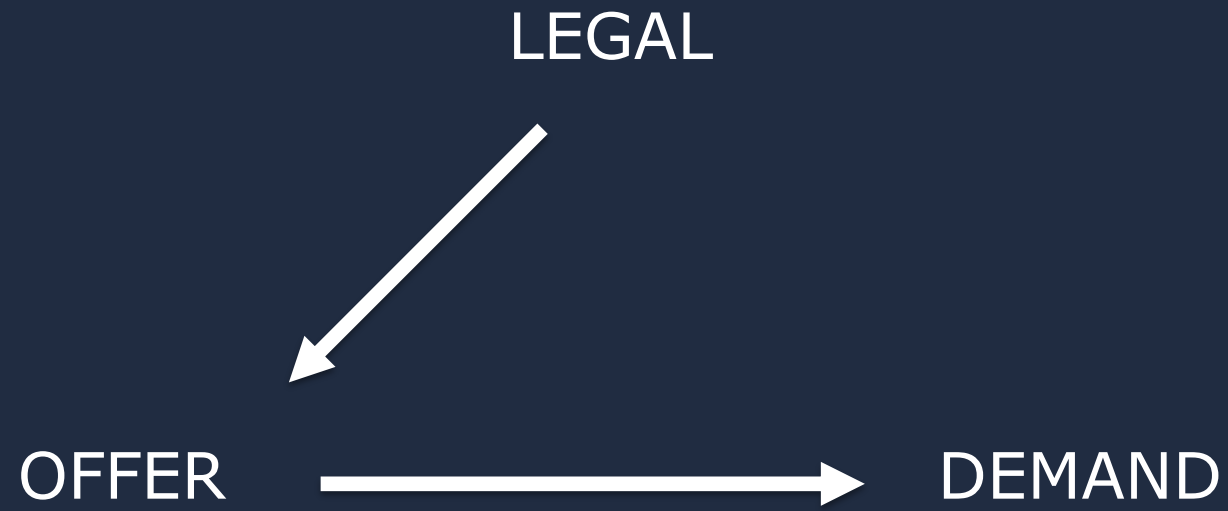
LEGAL STATUS

- Government : Regulation « 2019 May 02 »

https://wallex.wallonie.be/files/medias/10/EV_01-01-20_-decret_electricite.pdf

- Application of the the E.U. Dir. RED II « 2018/2001 »
- Specificities :
 - Gives the lines of the REC only
 - Perimeter (restricted)
 - REC Manager mandatory, with right on the assets
 - Authorisation assigned to DSO, validated by Regulator
 - ...
- Has **to be completed** to be operative. Present cases are 'pilots'

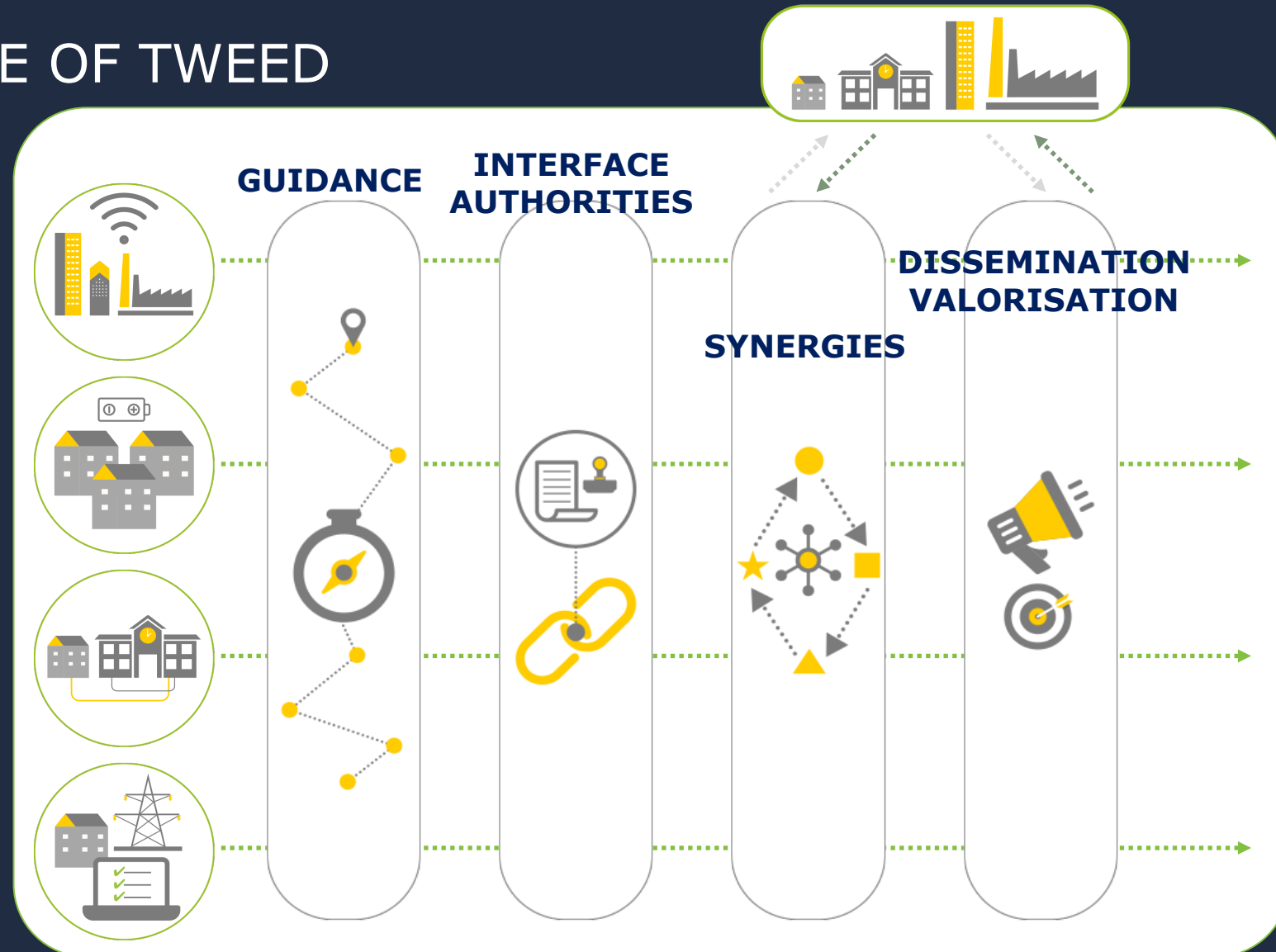
2- Energy Communities in Wallonia



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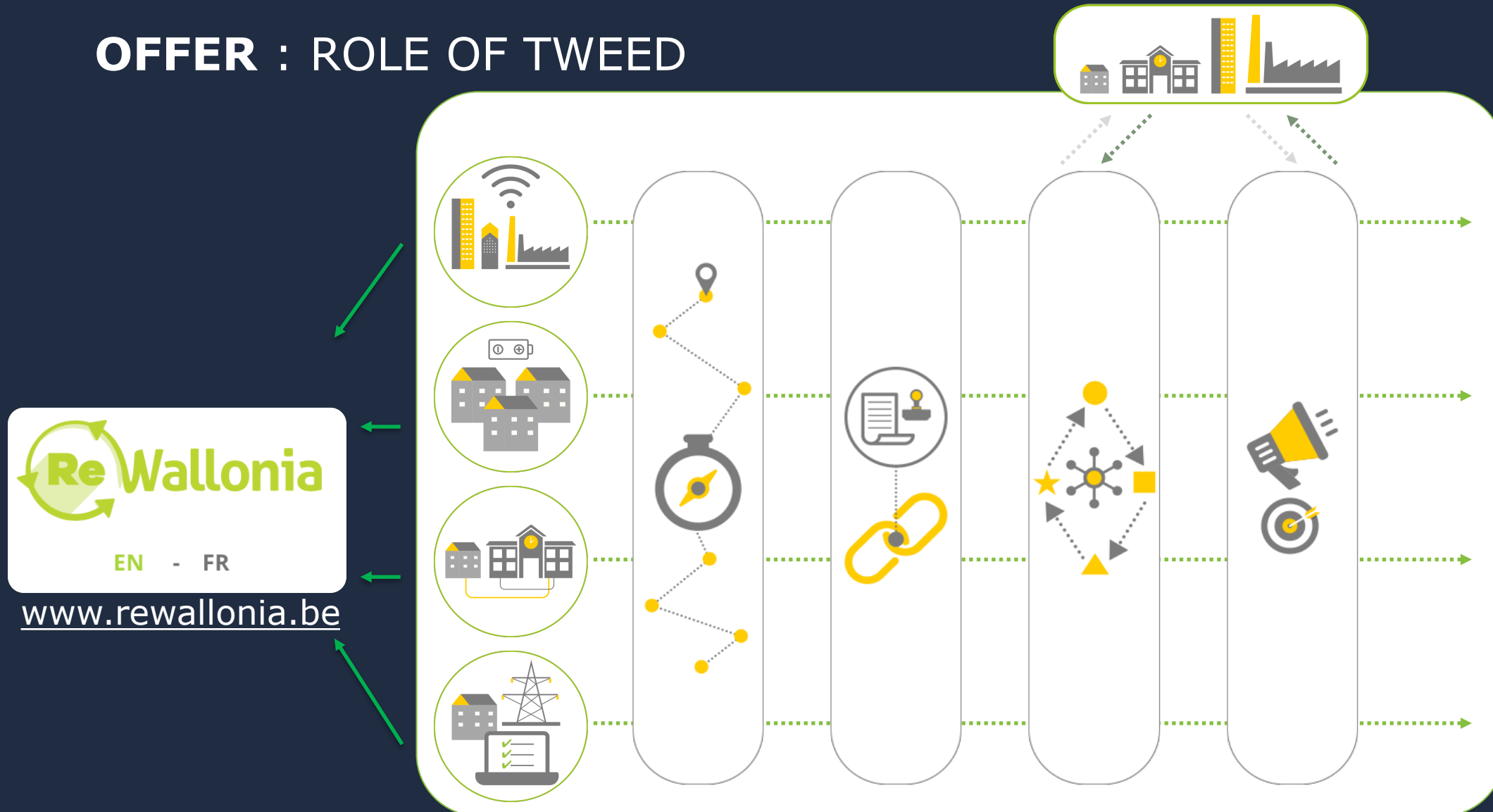
OFFER : ROLE OF TWEED



2- Energy Communities in Wallonia



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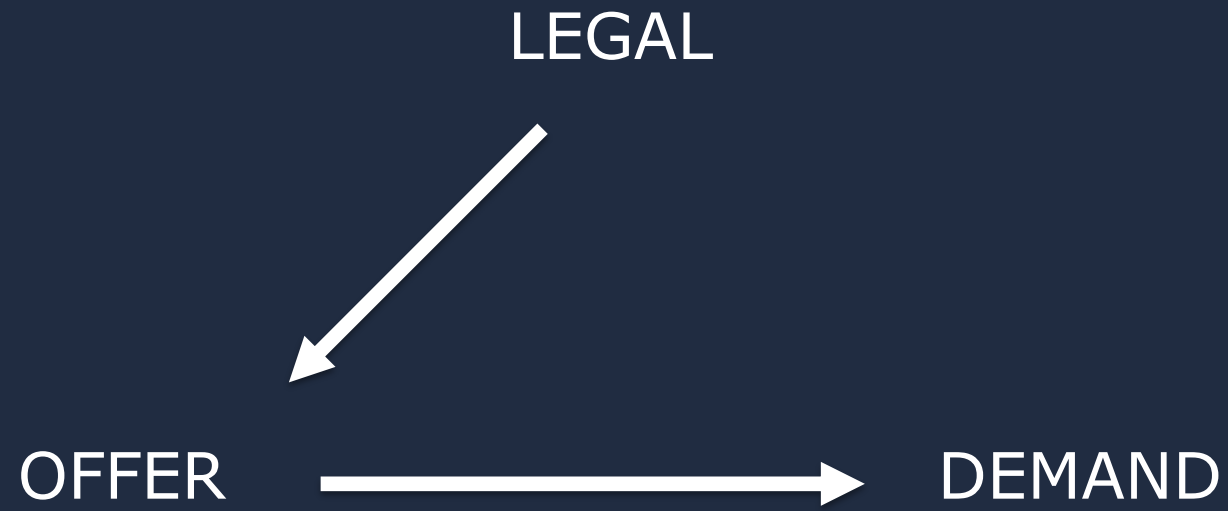
2- Energy Communities in Wallonia

OFFER : ACTUAL RESEARCH

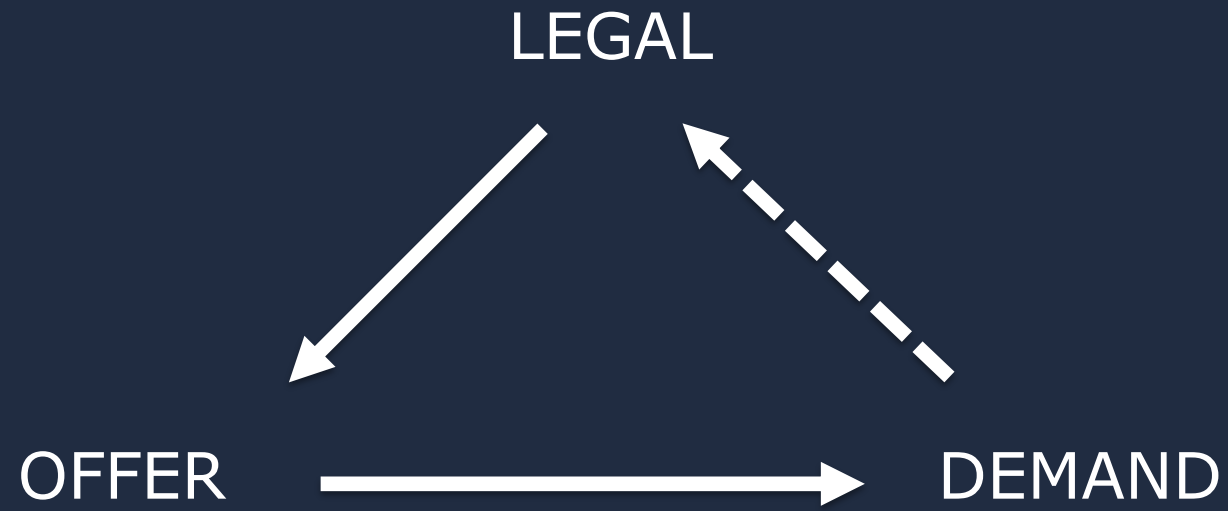
- Energy Management System (*MeryGrid, ...*)
- Shared Renewable Mobility (*ReMobHub, ...*)
- Prediction softs, models, simulation, design (*Interests, ...*)
- Tools of management of the energy flows / Invoicing (*IntegCER, ...*)
- DC networks, new converters and equipment (*Miraccle, ...*)
- New ways of storage (*Peps, ...*)
- Hydrogen integration (*H2CoopStorage, ...*)
- ...

=> LEAD TO NEW BUSINESS MODELS

2- Energy Communities in Wallonia



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DEMAND : VALIDATION, ACCEPTATION, UPSCALING

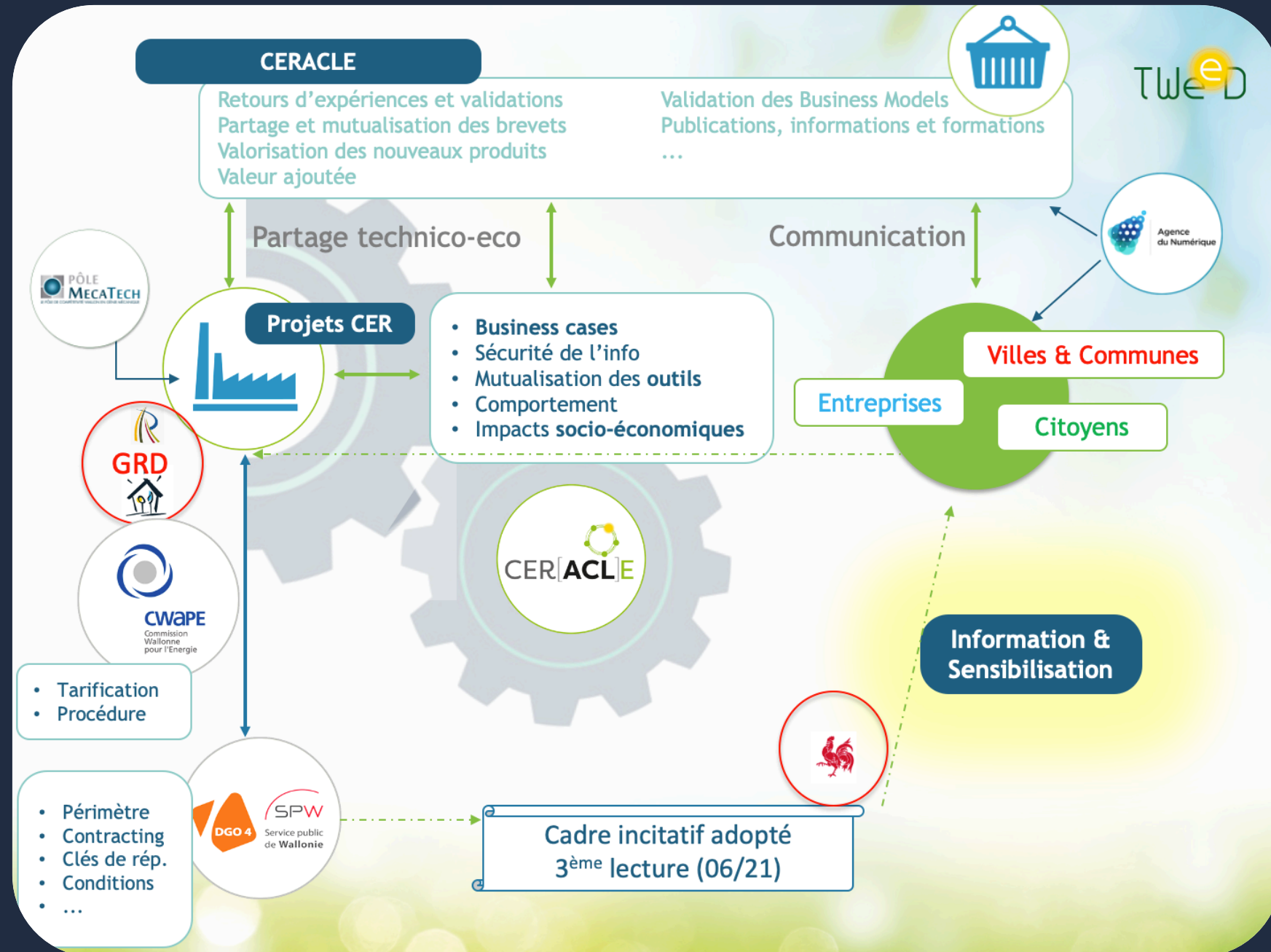
- Pilots
 - technic, legal, process
- Human and sociological aspects
 - integrated in projects, Living Lab
- Potential of deployment
 - need of tools, macro studies, collaboration of stake holders, good communication



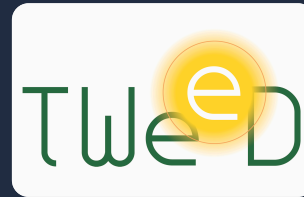
3- CERACLE

METHOD :

- Communication & mapping
- RnD 'coordination'
- Projects following
- Synergizing development
- Stakeholders Committee
- Linking
in : Wallonia Government
out : Flanders, Brussel, E.U
- Communication
specific : *roadshows*, municipal.
global : massive message



Thank You



Cluster TWEED asbl
www.clustertweed.be
Liège, Belgium

Contact :

Renaud DACHOUFFE • Projects • rdachouffe@clustertweed.be