



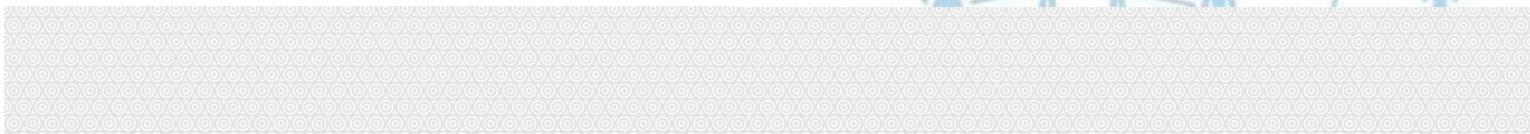
Green, Clean & Circular Economy concepts

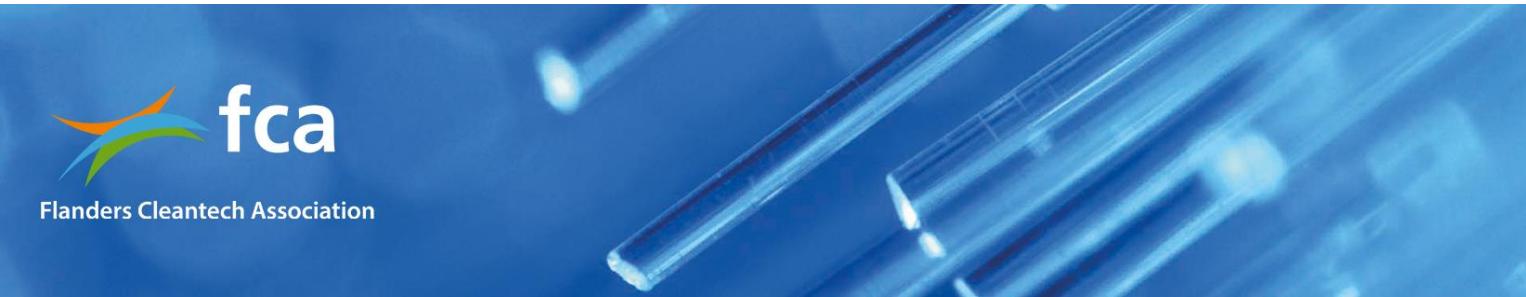
*Driver for Sustainable Growth
In the heart of Europe*

Carine Van Hove

Managing Director Flanders Cleantech Association (FCA)

The Antwerp Forum
April 27th, 2018 - ANTWERP





“The heart of Europe” Antwerp – Rotterdam – Rhine-Ruhr (ARRR)





Flanders Cleantech Association (FCA)

→ FCA – Who – Why – What ...

- ✓ Founded by VITO - ° 2010 - 750 researchers
- ✓ Internationalisation Flemish cleantech industry
- ✓ Trade & Investments
- ✓ Global Partners
- ✓ Events
 - EU Cleantech Forum 2018 - May 14th-16th, 2018 - Antwerp
 - GSTIC 2018 - technologies for Sustainable Development Goals
- ✓ Incoming & outgoing cleantech missions - China-Belgian Technology Centre



- ✓ Chinese Association of Environmental Protection Industry



6 clusters for GREEN, CLEAN and CIRCULAR Economy

✓ CLUSTER 1 – the Blue Growth cluster



Examples



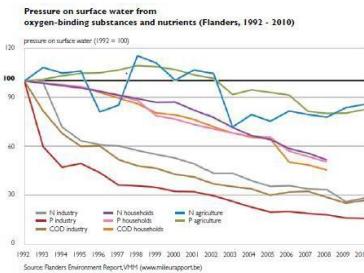
Other examples from Industry



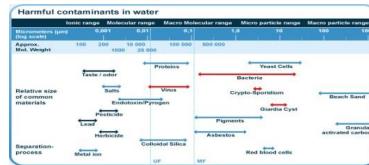


6 clusters for GREEN, CLEAN and CIRCULAR Economy

✓ CLUSTER 2 – Water Management Solutions



Example



Other examples from Industry



Opti-water Systems



Structural Partner





✓ CLUSTER 3 – Gateway to Europe's Bio-Economy



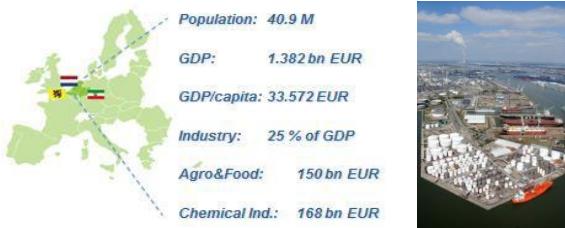
Examples from Industry





6 clusters for GREEN, CLEAN and CIRCULAR Economy

✓ CLUSTER 4 – Sustainable Chemistry - ARRR



✓ [Antwerp](#) –
Rotterdam – Rhine
Ruhr

CATALISTI
WE MEAN BUSINESS

Example – DNCP making the impossible possible!


De Neef Chemical Processing



 西安杨森制药有限公司
XIAN-JANSSEN PHARMACEUTICAL LTD.
Johnson & Johnson 隶属公司成员

Other examples from Industry







6 clusters for GREEN, CLEAN and CIRCULAR Economy

✓ CLUSTER 5 – EU KIC Centre on MATERIALs

- 74% of industrial waste gets recycled
- Belgium = champion in recycling and upcycling
- OVAM = Public Waste & Materials Agency of Flanders
- From WASTE to MATERIALs management
- 'Integrated resources & materials efficiency'
- 'CO₂-to-materials' - 'urban mining' - 'additive manufacturing'

Example



Other examples from Industry





✓ CLUSTER 6 – EU KIC Centre on ENERGY

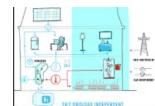
KIC InnoEnergy - one of 6 EU co-location Centres on Energy

ENERGY EFFICIENCY for SMART BUILDINGS, CITIEs and INDUSTRIEs

Example – TIGER POWER



Other examples from Industry

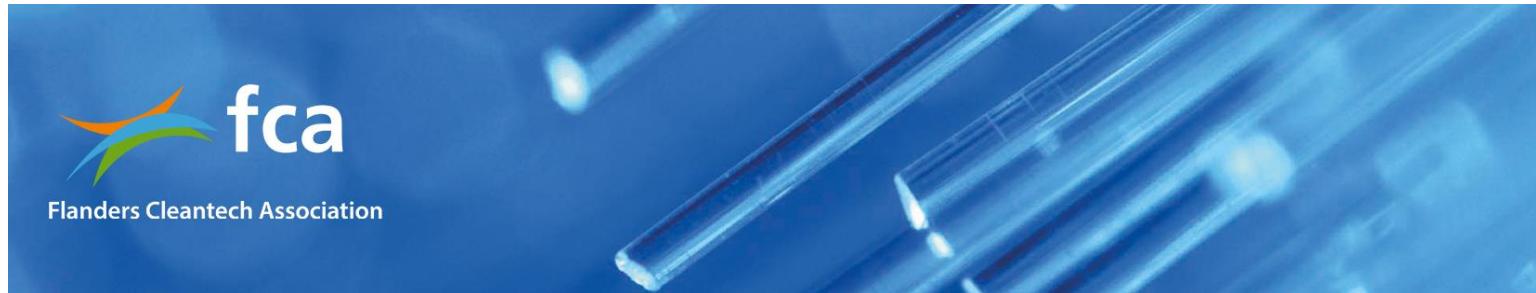


Structural Partner



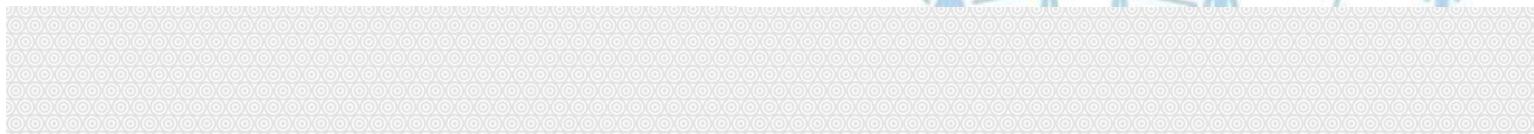
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EU Cleantech Forum 2018 - Antwerp







More Information

www.fca.be

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