

The growth accelerator towards a circular environment.

provincie limburg



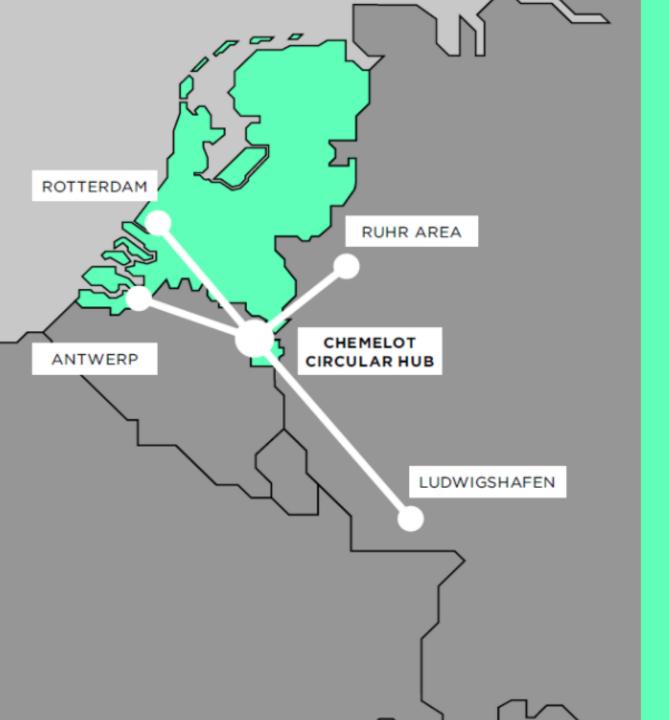


Dirk Plees Province of Limburg REPLACE 11.03.2022

In South Limburg we are developing the first large-scale Circular Hub in Europe

provincie limburg





Ideally situated in Western Europe right in the heart of the ARRA chemistry cluster

ARRA:

340.000 jobs in chemicals 40% van European Chemical sales

Chemelot:

- 8.100 jobs
- 100 nationalities
- 110 companies and factories

Leading Circularity

C->H Chemelot Circular Hub

Investment Agenda 2020 - 2030

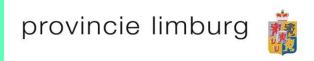


Circulaire Economie Actie Plan

Transitie agenda Chemelot Circular Hub







Our goal:

Securing the future of the region and NL (preventing mine closure 2.0)

Developing a new economic branch for the Netherlands and Europe:

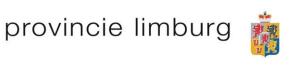
Circular Chemistry and Materials

Our way:

"Connecting Minds, Creating the Future"

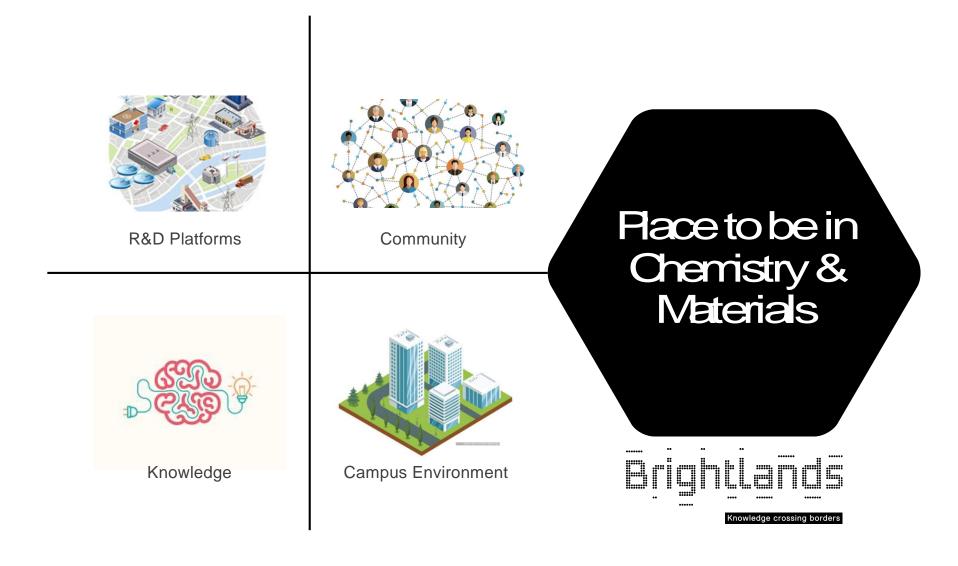
New Ecosystems- new Business models
System-integrated value chain transition (push-pull)
Using al lot of creativity/ learning communities
In cooperation with other relevant parties/ regions in NL and Europe





Crucial for transition = Creative- innovative Ecosystem ('disruptives')

Such as Brightlands Chemelot Campus



Brightlands Innovation Program

Sustainable Chemical Processes

Sustainable carbon and hydrogen Waste streams as new feedstock Biobased Electrification

Circular Materials and Products

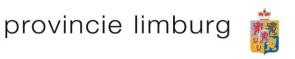
Designed-from and to-recycle Longevity and Functionality

- 1. Acquisition of breakthrough technologies at Chemelot Industrial Park First in kind factory
- 2. Acquisition of breakthrough technologies at Chemelot Campus Pilots & Demonstrators
- 3. Scaling breakthrough ideas in development centres









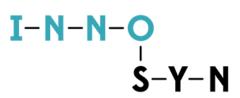


Innovative Process Technology Raw Materials/Energy Transition



COOLBROOK®











home of many disruptives

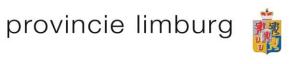




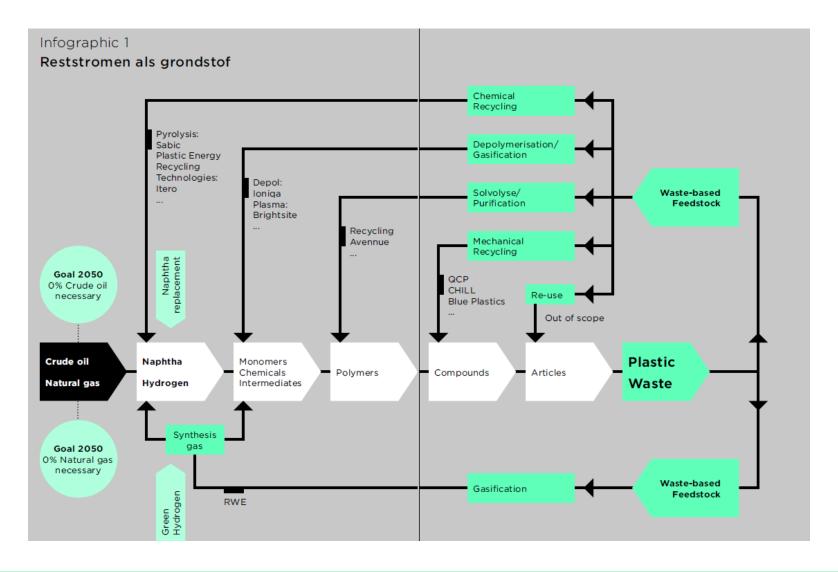
All these elements come together in:

Horizon2020 SyschemiQ

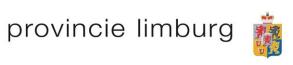




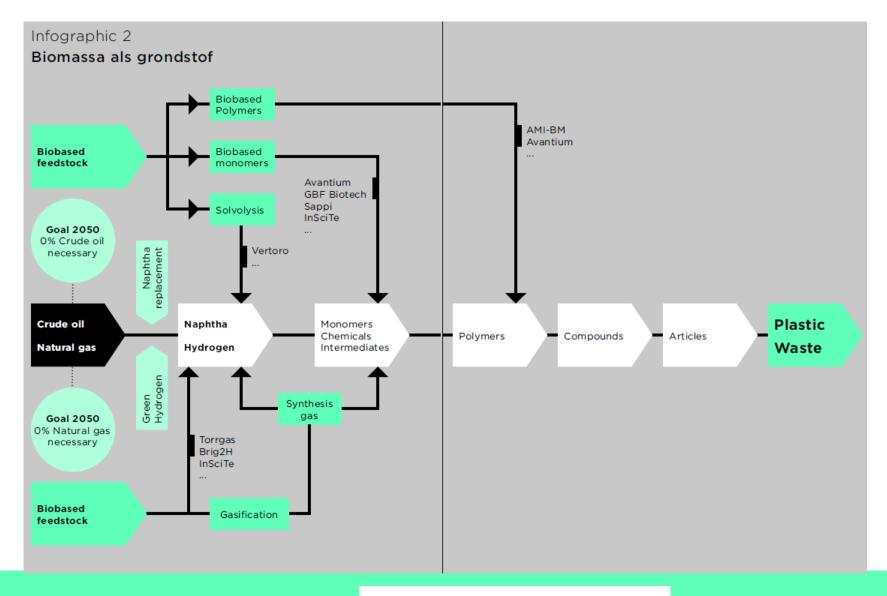
New circular Feedstock



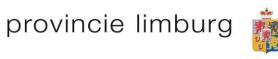


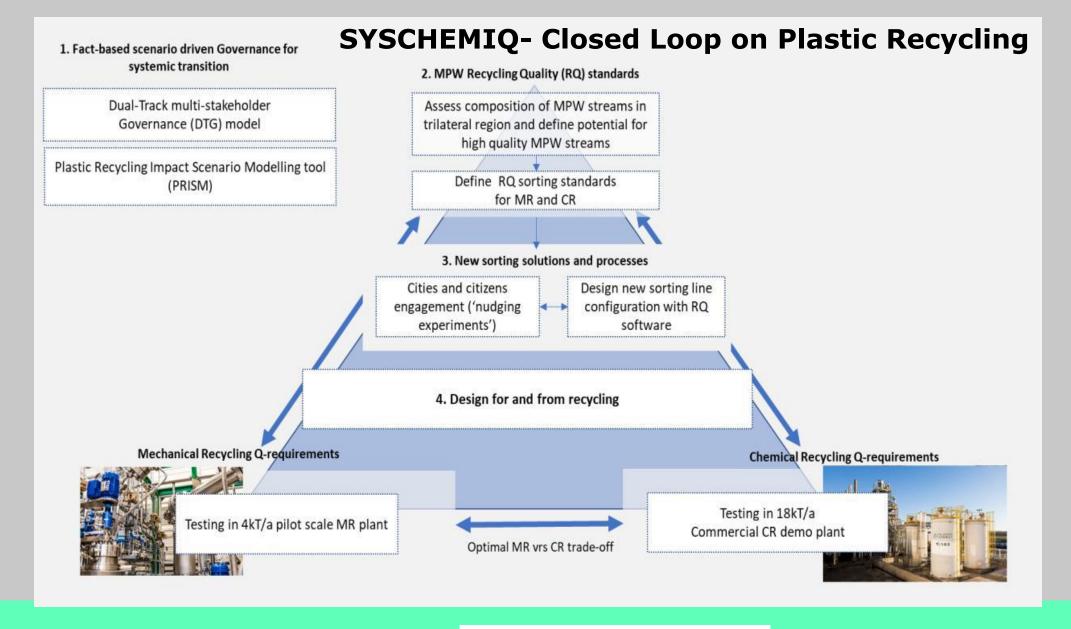


New Circular Feedstock













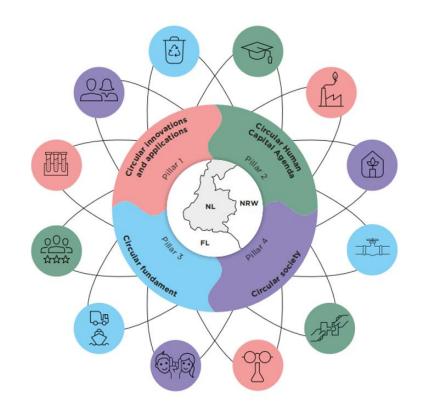
Integral approach cooperation across 4 pillars

Pillar 1

Circular innovations and applications Innovation, demonstration, business models

Pillar 2

Circular Human Capital Agenda New skills and worthwhile jobs for people



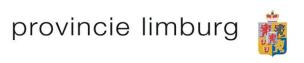
Pillar 3

Circular fundament Logistics and Infrastructure, industrial-urban symbiosis

Pillar 4

Circular Society

Development of surrounding cities



Thank you for your attention

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