

Biobased and Circular Economy Drenthe

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Drenthe in the Northern Netherlands

provincie Drenthe



Some characteristics - NNL

- 125.000 companies (99% SME)
- 30% of Dutch agricultural land (potatos, sugarbeets, grass)
- Major agro industry players (Campina, Cosun, Avebe)
- 2 major chemical clusters (Delfzijl and Emmen)



Starting position: strong in Biobased Economy

- Strong regional applied research sector and SME's in production of biobased plastics
- Internationally:
 - member of BIC (SME cluster)
 - ERRIN (governments)
 - EU Demonstrator region



Biobased Economy: relevant companies

Selection of companies by size and per sector, Northeast Netherlands



Biobased Economy: Some examples



BIOBRUG
Samenwerking tussen Machinefabriek Emmen, CTC en Green PAC



BIOPET100
Samenwerking tussen Cumapol, BioBTX, Syncom, Sunoil, Dufor, Aarts Plastic, Stenden, RUG en API



CIRCULAIR BIOBASED WORKPLACE 2020
Samenwerking tussen Drentea en Green PAC



Circular Economy is about more...

- Keeping up the strong position in the (bio-)chemical sector
- Widening the scope of activities, but starting with



Widening the scope:

- Achieve practical results
- No endless policy views
- Learn from others



First two steps

Basis for success:

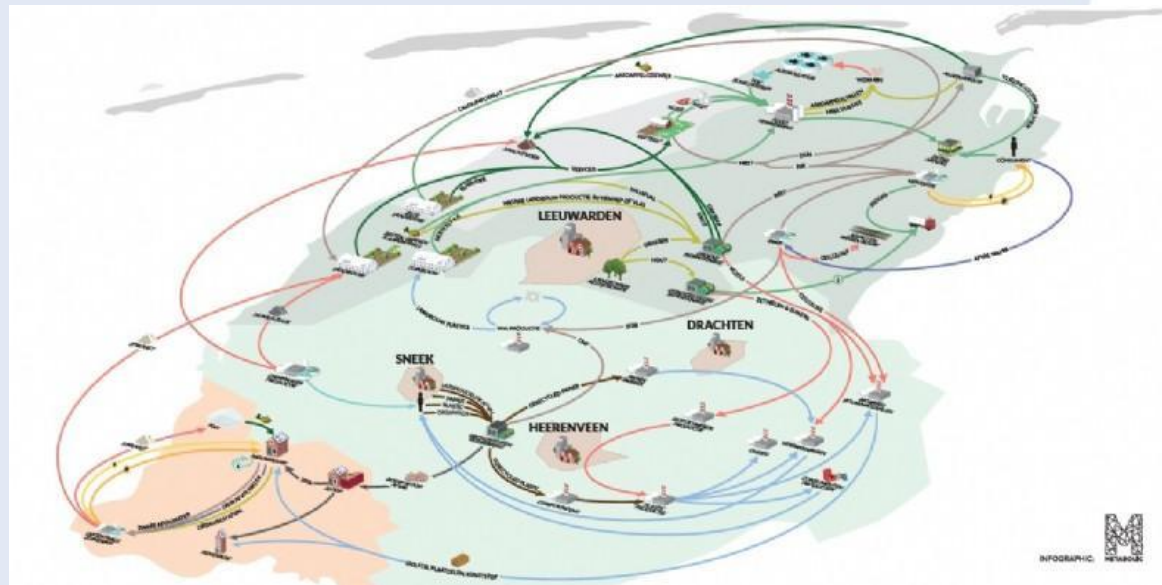
- Analysis raw materials stream
- NICE= Northern Netherlands
Innovation Lab CE



Raw materials stream

- What raw material is going where?
- Who is interested in using these raw materials?

- Chemicals
- Waste
- Building materials
- Agriculture



NICE

- Not a lab with scientists in white coats
- Bringing together companies, education and research and government.
- Practical questions to be solved by students



NICE

Main aims:

- Training students in thinking 'circular'
- Awareness creation amongst SME's in our province

Secondary aim:

- (Hightech) innovations



No easy way



What's next?

- Achieve practical results
- No endless policy views
- Learn from others

- Message to Europe: learn from the regions



Thank you for your
attention

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