

# CIRCULAR AMSTERDAM

A vision and action agenda for the city and metropolitan area



Stef le Fevre  
Waste & Circular Economy  
City of Amsterdam

City of  
Amsterdam

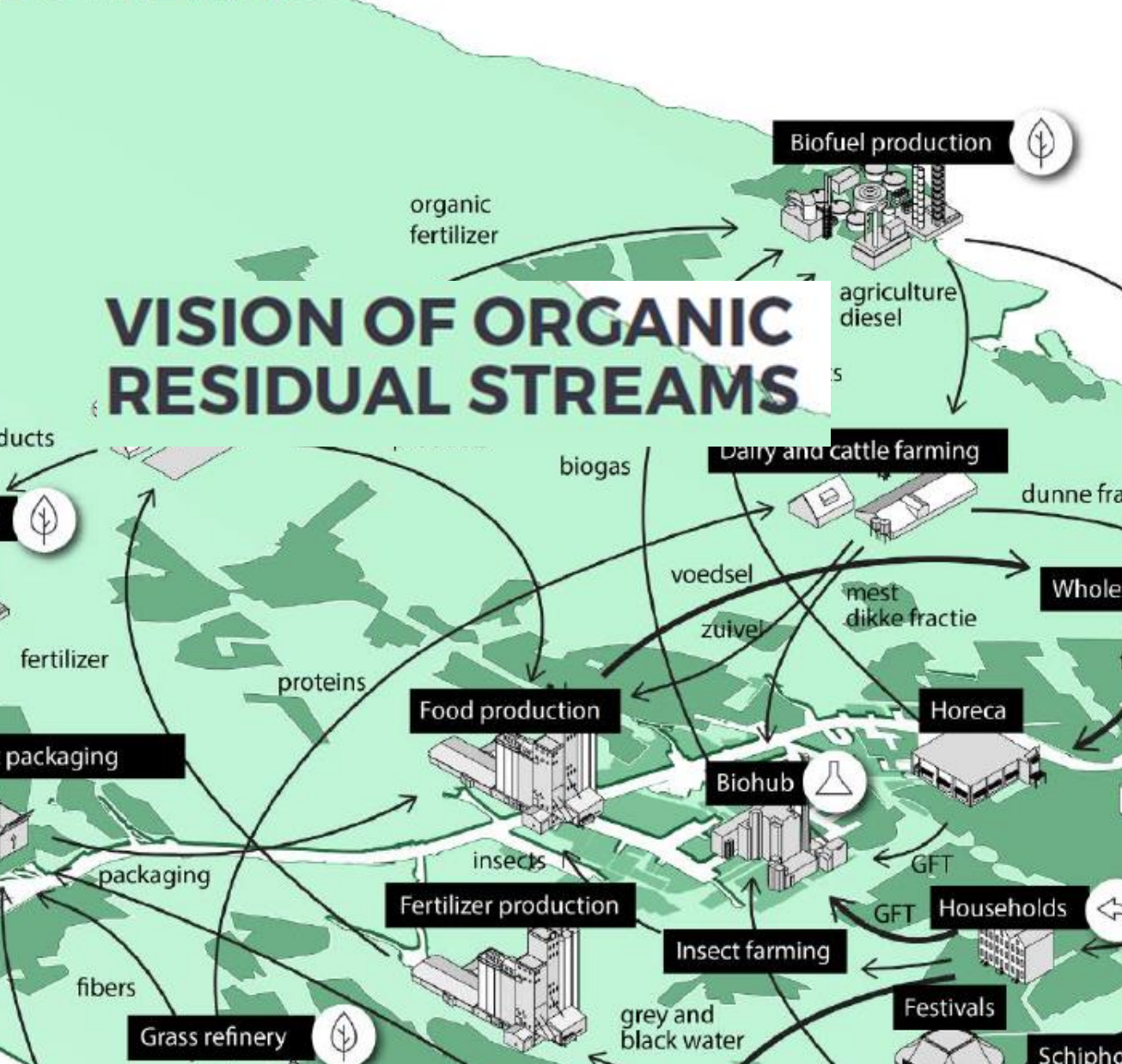
Port of Amsterdam

Jolein Baidenmann  
Connector Circular Economy  
Metropolitan Area Amsterdam



metropool  
regioamsterdam







# How do we approach circular cooperation in the field of biomass in this region?

- Working Group Biomass
- Research as input for policy and businesscases
- Clustering initiatives
- Policy: write recommendation on the use of biomass for energy or circular economy in the region
- Connect!



# How can governments support the forming of businesscases?

You are not an entrepreneur!



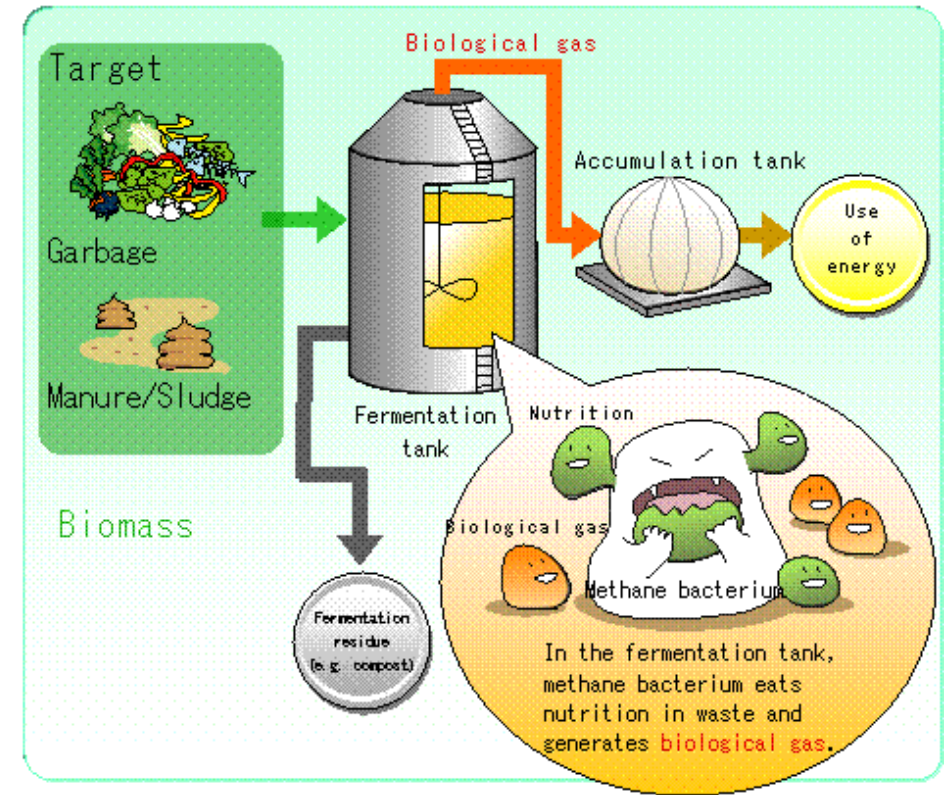
1. Steady and longterm vision and regulations
2. Abolish regulations that prevent innovation
3. Seek partnerships with companies
4. Make some subsidies available
5. Operate as launching customer

# Interesting case for this region

- Insulating material
- Fermentation to green gas



Foto: wikipedia



metropool  
regio **amsterdam**





# Port of Amsterdam



Europe's fourth largest port

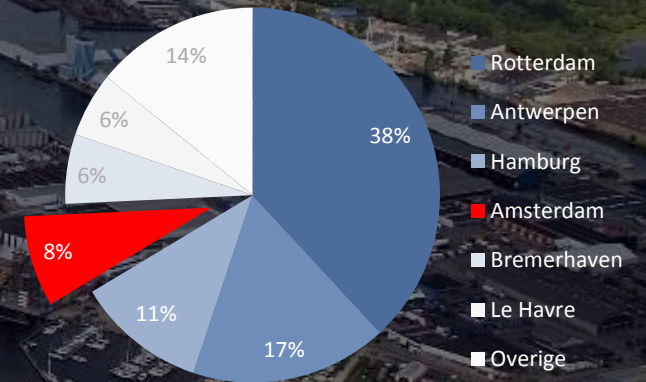
100,8mln tonnes 2017

€ 6,7 billion in added value

EU-core network port

TEN-t corridors (Rhine, Baltic, Mediterranean)

Market shares in Hamburg-Le Havre 2016







Biobased cluster

City waste cluster

1 MILLION TONS:  
ORGANIC WASTE  
USED COOKING OIL  
SEWAGE SLUDGE  
MUNICIPAL SOLID WASTE

ELECTRICITY, HEAT, STEAM FERTILIZER,  
MEDIUM CHAIN FATTY ACIDS  
BIOGAS, BIOFUEL, GLYCERIN, CO2

Amsterdam: 1 of EU's larger  
biobased clusters



Chaincraft

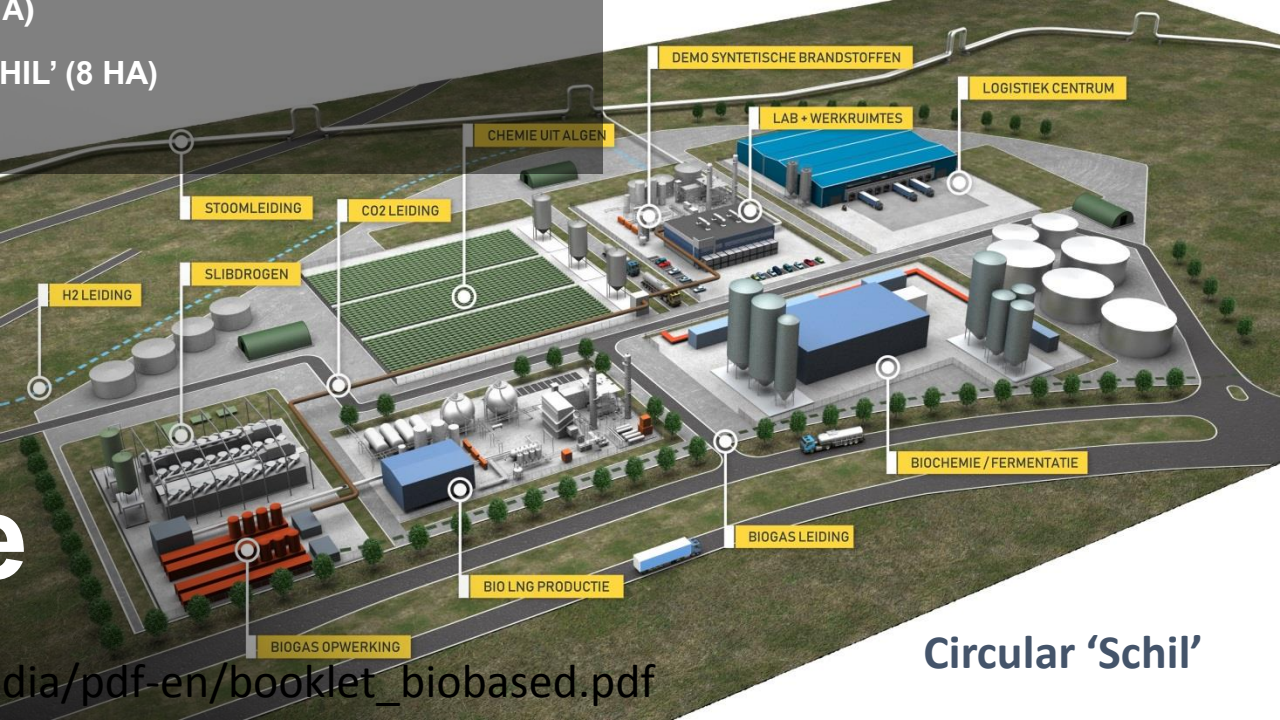




- INNOVATION – PILOTS – DEMO'S
- R&D/KNOWLEDGE INFRASTRUCTURE
- CLUSTERING:
  - PRODOCK
  - BIOPARK (18 HA)
  - CIRCULAR 'SCHIL' (8 HA)



# Value creation: clusters and space







**How to collect 150 kg/yr/ household of kitchen waste**  
**How to collect 250 kg/ m2/yr company organic waste**  
**IN DENSE URBAN AREAS**



City of Amsterdam  
inter  
da





GRINDER



DRYER



STORAGE



Fermentation  
VERMICOMPOST



Composter



ENERGY  
PRODUCTION



TRANSPORT/  
INDUSTRIAL  
TREATMENT

✘ City of  
✘ Amsterdam





## LOCAL COMPOSTING INITIATIVES: LEADS TO SCALE UP IN ORGANIC WASTE COLLECTION

✕ City of  
✕ Amsterdam

