



# High blend biofuels Lessons from local initiatives

The Changing Climate for Vehicles and Fuels - LowC<sup>VP</sup>  
London, 8 June 2009

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[www.biofuel-cities.eu](http://www.biofuel-cities.eu)

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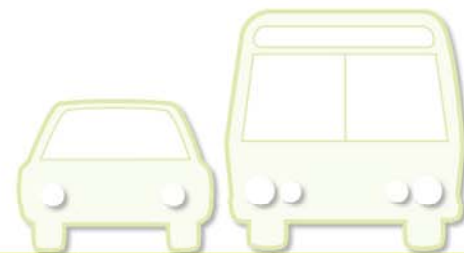
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ICLEI  
Local  
Governments  
for Sustainability

# Introduction

How to successfully bring **high** blends  
of biofuels to the market?



- [illegible]

# Senternovem Biofuels team (GAVE)

- A Dutch government agency promoting sustainable innovation
- Supporting the Dutch Government and European Commission



# Biofuel Cities is ...

- An EU funded project



- A partnership for adoption of biofuels with focus on:

- Providing information

- Organising activities

- Bringing people together

- Free to use for all stakeholders

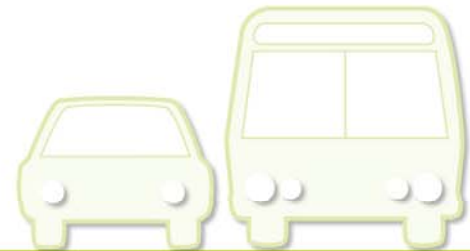
Project database Literature database Contact database
Networking corner Forum Twinning programme



# Biofuel Cities products

## Reports

- Technical Guidance
- Procurement Guide
- Study on vehicle warranty
- **Barriers and solutions report**
- **Policy Handbook**

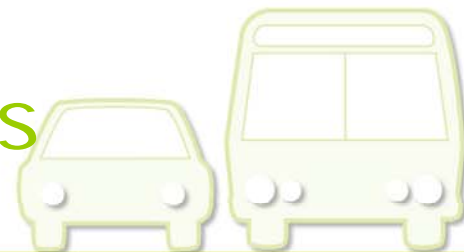


# Question

How to successfully bring **high** blends  
of biofuels to the market?

1. Local governments play a key role

2. Create local markets



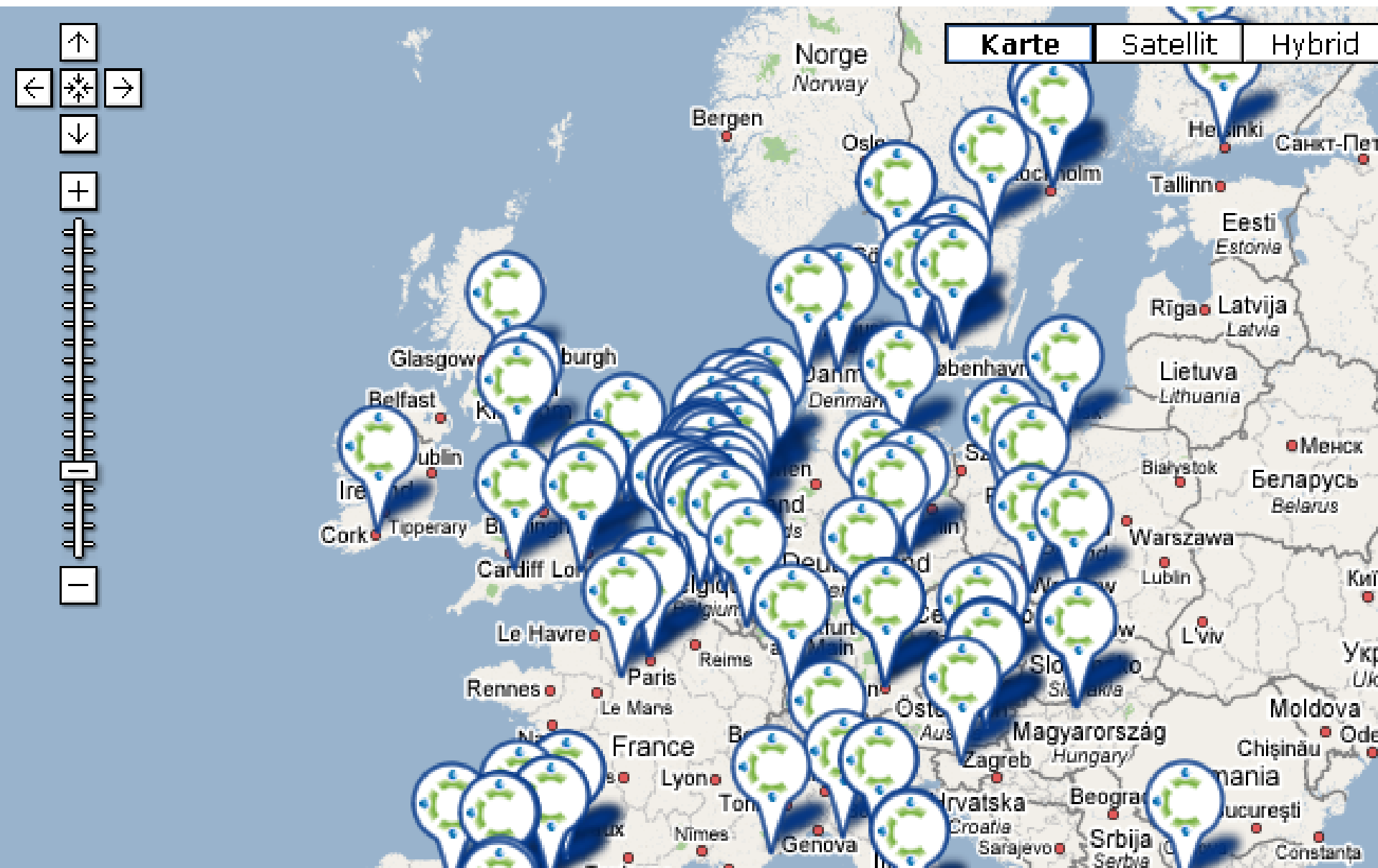
# Global activities



Clinton Climate Initiative



## European activities



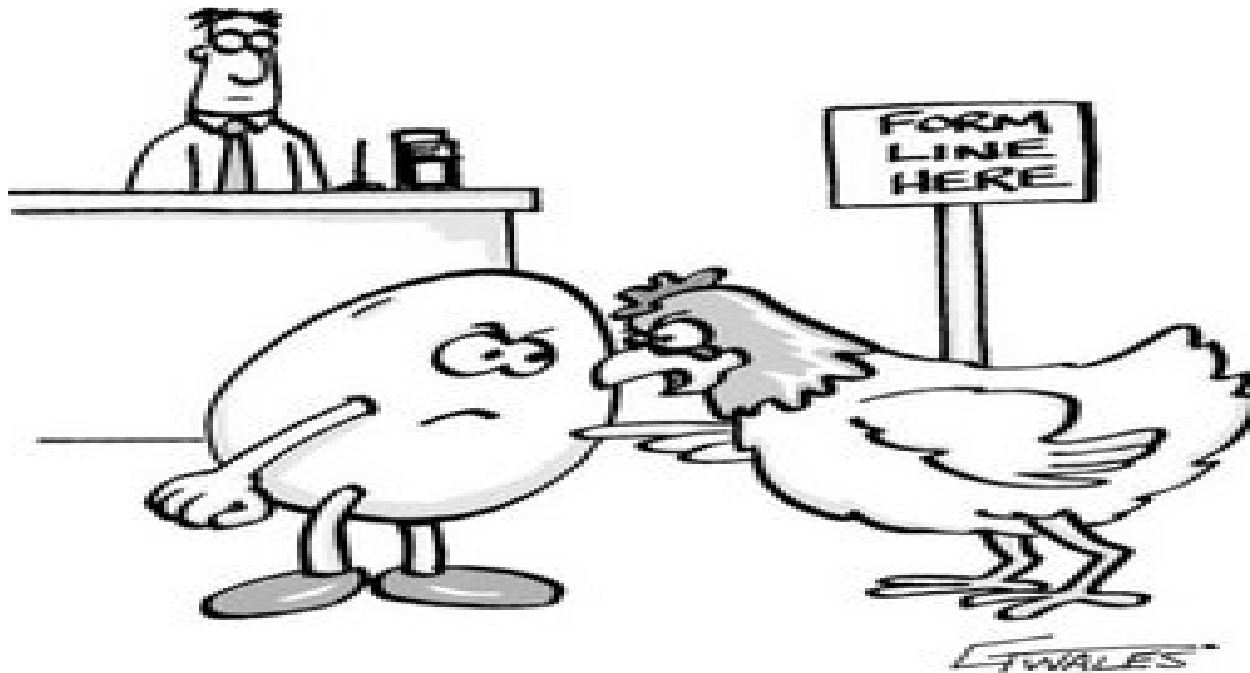
# Role of local governments



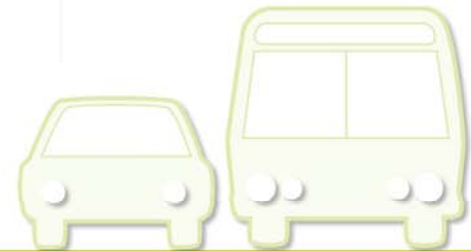
innovation  
technology pull  
captive fleets  
local feedstock  
air quality  
economic activity  
visibility & exposure  
close to market  
national  
procurement  
customer  
local



# Why local markets?

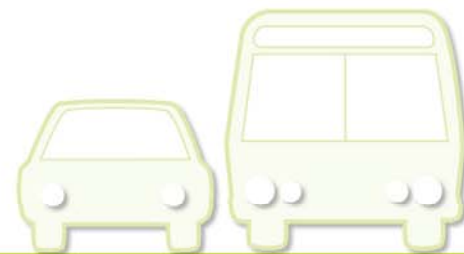


**"No, you back off! I was here before you!"**



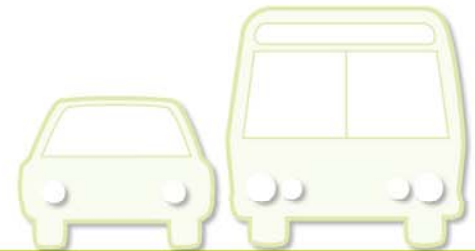
# Case study

- How to create successful local markets?
- Experiences of a.o. three pioneer cities in the creation of market conditions:  
**Stockholm, Graz and Lille.**



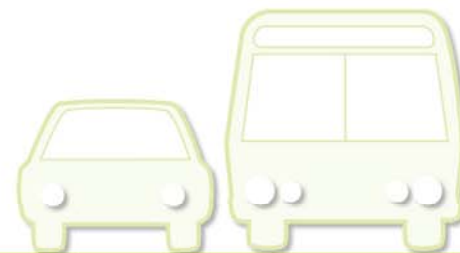
# Cases - Stockholm

- The largest number of clean vehicles in Europe
- 398 bioethanol & 82 biogas buses
- 11 private biogas refuelling stations
- 2 wastewater treatment plants for biogas



# Cases - Graz

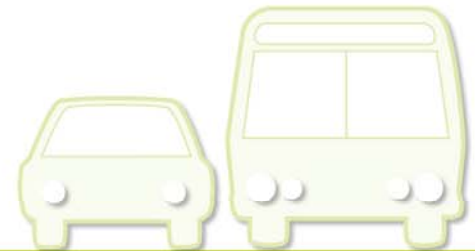
- Major first experiences gained in the “Ökodrive” programme
- 100% of buses run on locally produced biodiesel





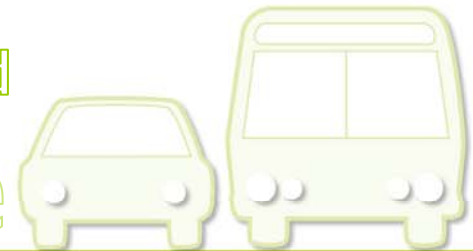
# Cases - Lille

- 127 natural gas buses in service (2007)
- 4 gas compression stations
- Biogas locally produced



# Encountered difficulties

acceptance  
scepticism  
food versus fuel  
awareness  
commitment  
tax regime unreliable  
no national support  
energy content  
high costs  
no fueling stations  
strategic locations  
availability vehicles  
no demand  
definition clean vehicle

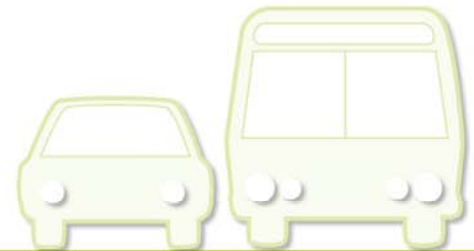




# The key to success

How to successfully bring high blends of biofuels to the market?

1. Good preparation
2. Good market conditions



# Preparation process

- Establishing political & societal support
  - Dialogue, public awareness, “win-win” situation, lobbying
- Involving Key target groups
  - Suppliers, End-users, Neighbouring local governments
- Developing policy measures
  - In depth analysis of different interests target groups
  - Involve target groups in process
  - End product: coherent & integrated framework of PM's



# Good market conditions

- Local demand
  - Setting clear & ambitious targets
  - LG('s) taking part in the purchasing process
- Market security
  - Long term involvement by LG's
  - National (or even EU) support for local PM's
- Good market conditions for prolonged competitiveness
  - Barriers for development viable market can be overcome by Policy Measures that turn barriers into challenges



# Concluding remarks

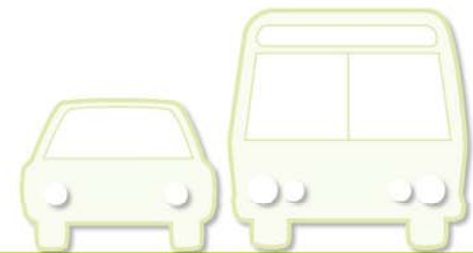
- The **chicken & egg dilemma** can be solved by **creation of local market** for clean(er) fuels and vehicles
- Creative incentives to the private sector & creation of **security of demand** is required for **private investment**
- **Stakeholders' participation** and **awareness** play a central a role
- The key to success is to create a formula for a **win-win solution**



# The European Partnership is brought to you by..



[www.biofuel-cities.eu](http://www.biofuel-cities.eu)



# Project and partners

## European project “Biofuel Cities” or CAB-CEP

- Coordinated action project, July 2006 to June 2009
- Funded by the EU Sixth Research Framework Programme under the Activity “Alternative Motor Fuels: Biofuel Cities”
- Seven project partners

## Acknowledgement

- The European Commission is acknowledged for financial support

