

Waste Recovery Borås – international partnership

Mr Tom Andersson, Vice Mayor City of Borås



CITY OF BORÅS



BORÅS ENERGY AND ENVIRONMENT
A subsidiary of Borås Stadshus AB



The city of Borås



106 000 inhabitants

- Founded in 1621
- History as a textile city
- 13th largest city in Sweden
- More than 11 500 companies

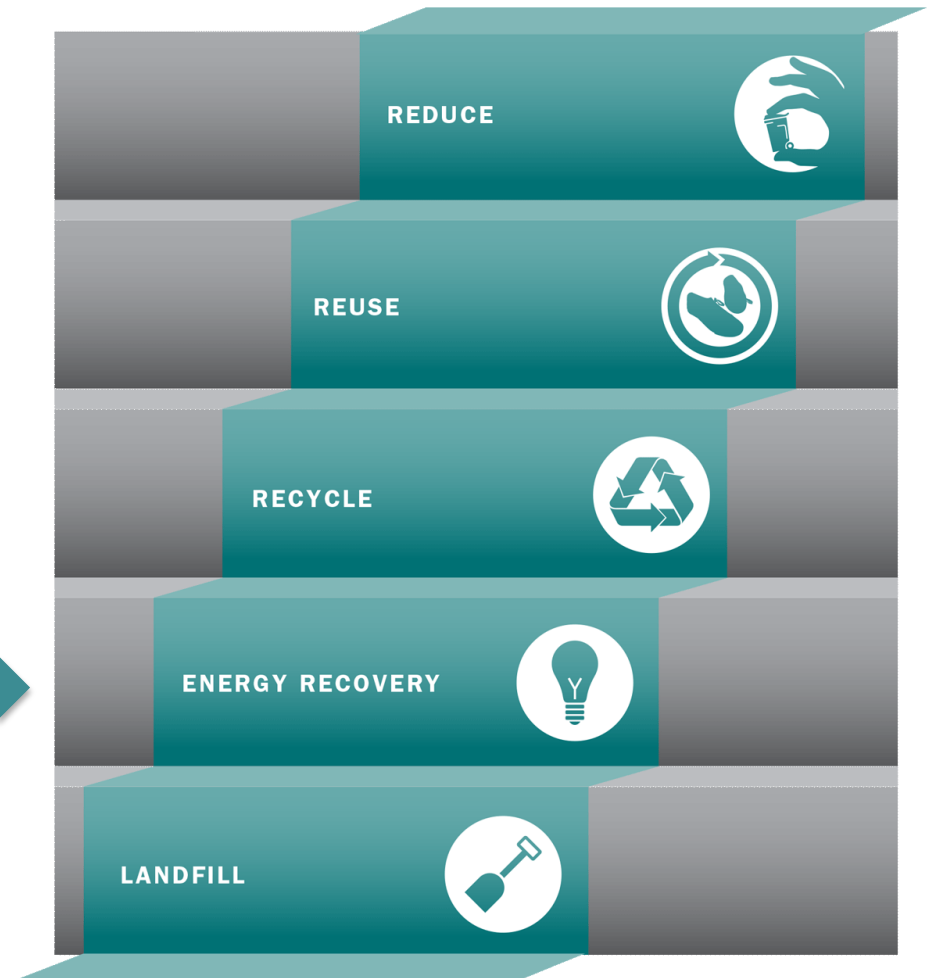


Vision of a sustainable future



The waste hierarchy of the European Union

- EU version of 3R
- Biological treatment and combustion



Drivers for the waste management in Europe & Sweden

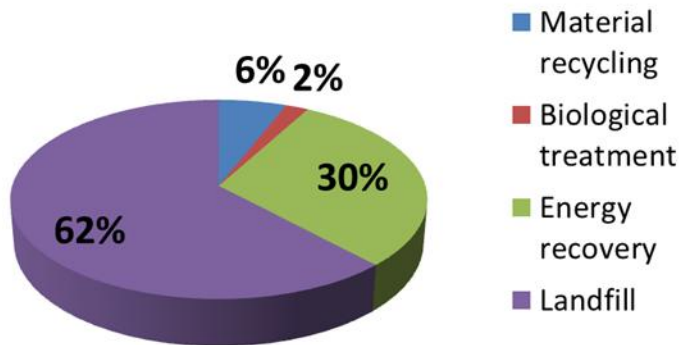
- 1991** Municipal waste treatment plan
- 1994** Producer responsibility
- 1998** The local investment program (LIP)
- 2000** Landfilling tax (~ 27 EUR/tonne)
- 2002** Landfill ban on combustible waste
- 2005** Landfill ban extended to include all organic waste
- 2006** Landfill tax increased for the 3rd time (~ 47 EUR/tonne)
- 2006** Incineration tax (~ 8 - 47 EUR/tonne)

Long development toward zero waste in Borås

- Investigation and planning 1986
- Start of source sorting in 3000 households 1988
- 10-years planing 1989-2000 1989
- Full scale sorting with optical sorting system 1991
- Anaerobic digestion and composting 1995
- Waste plan 2001 - 2010 2003
- First public gas station opened 2003
- New digestor ready 2003
- New incineration plant ready 2004
- All 62 buses inside the city run on biogas 2010
- Waste plan 2012-2022 2011
- Planning for a new Energy complex 2011

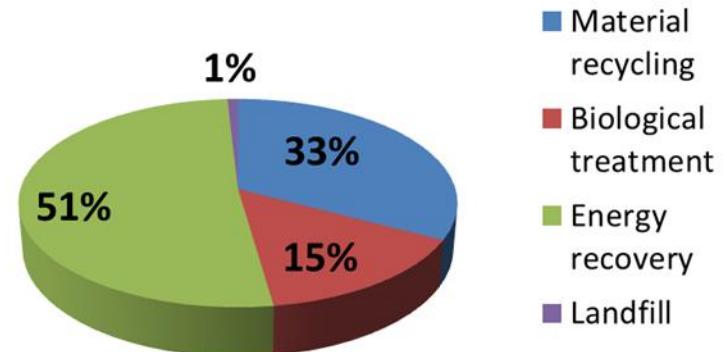
Treatment of household waste in Sweden

Year 1976



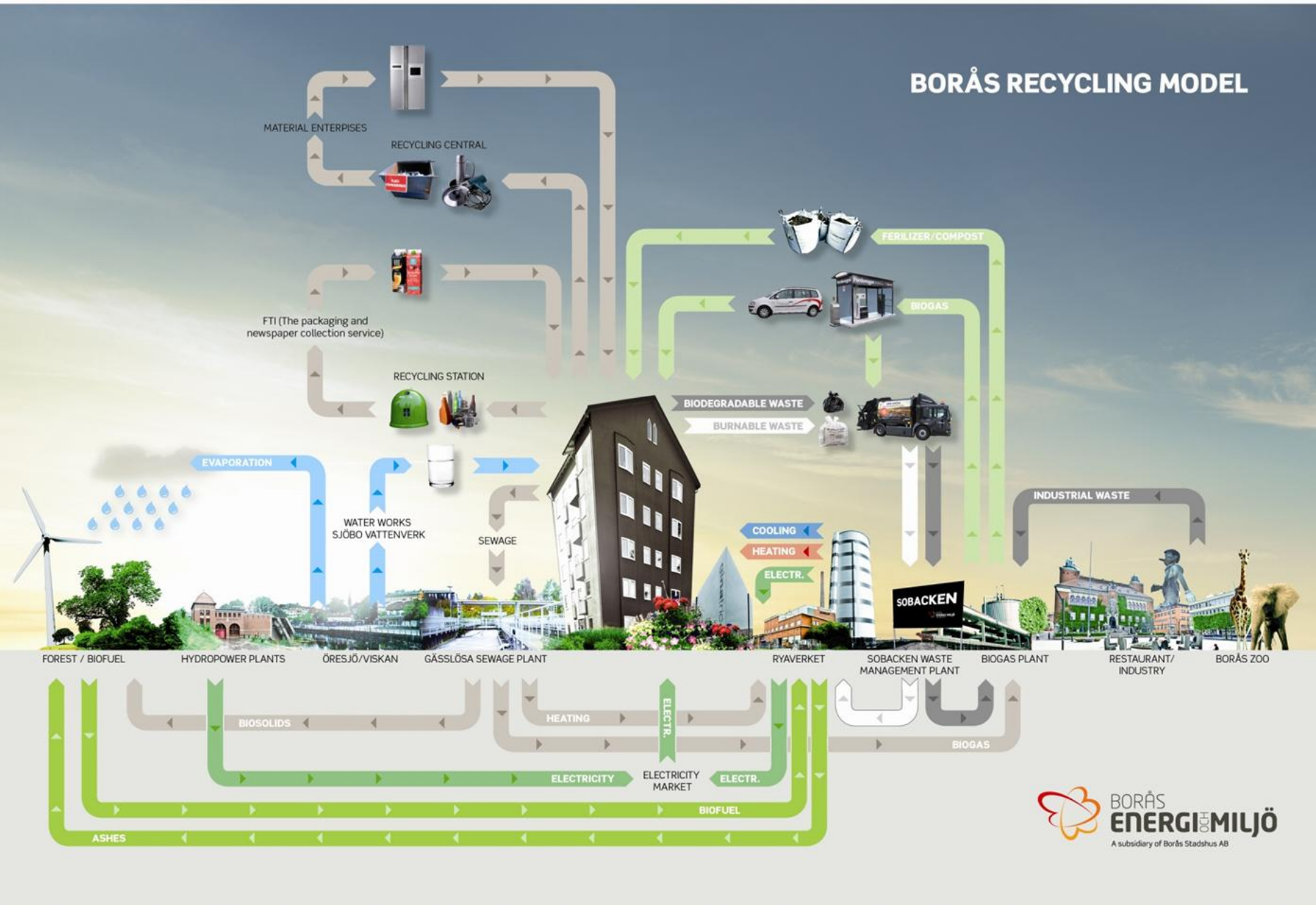
2,6 million tonnes

Year 2011



4,3 million tonnes

BORÅS RECYCLING MODEL



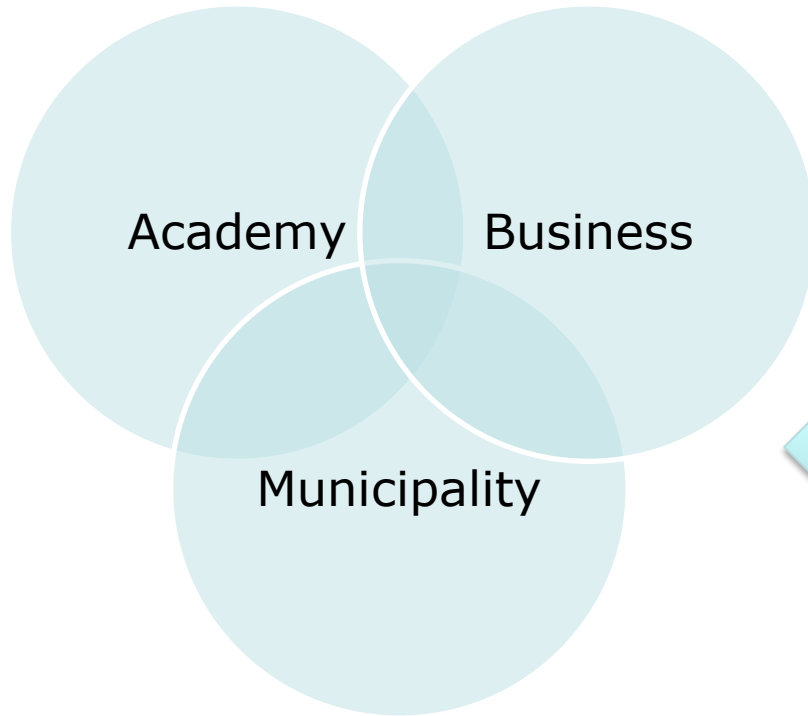
Waste Recovery Borås

- International Partnership

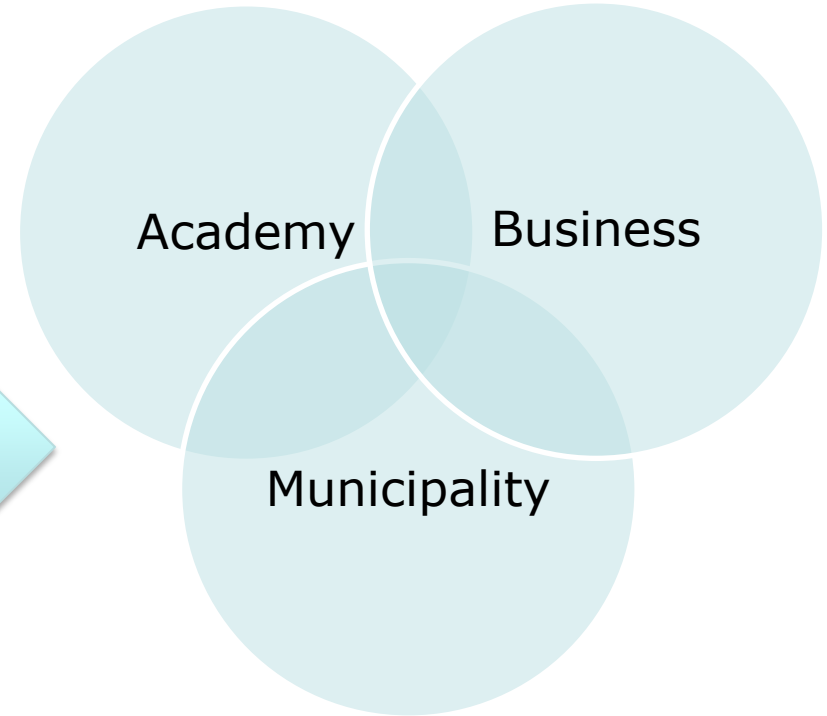


From PPP to IPPP

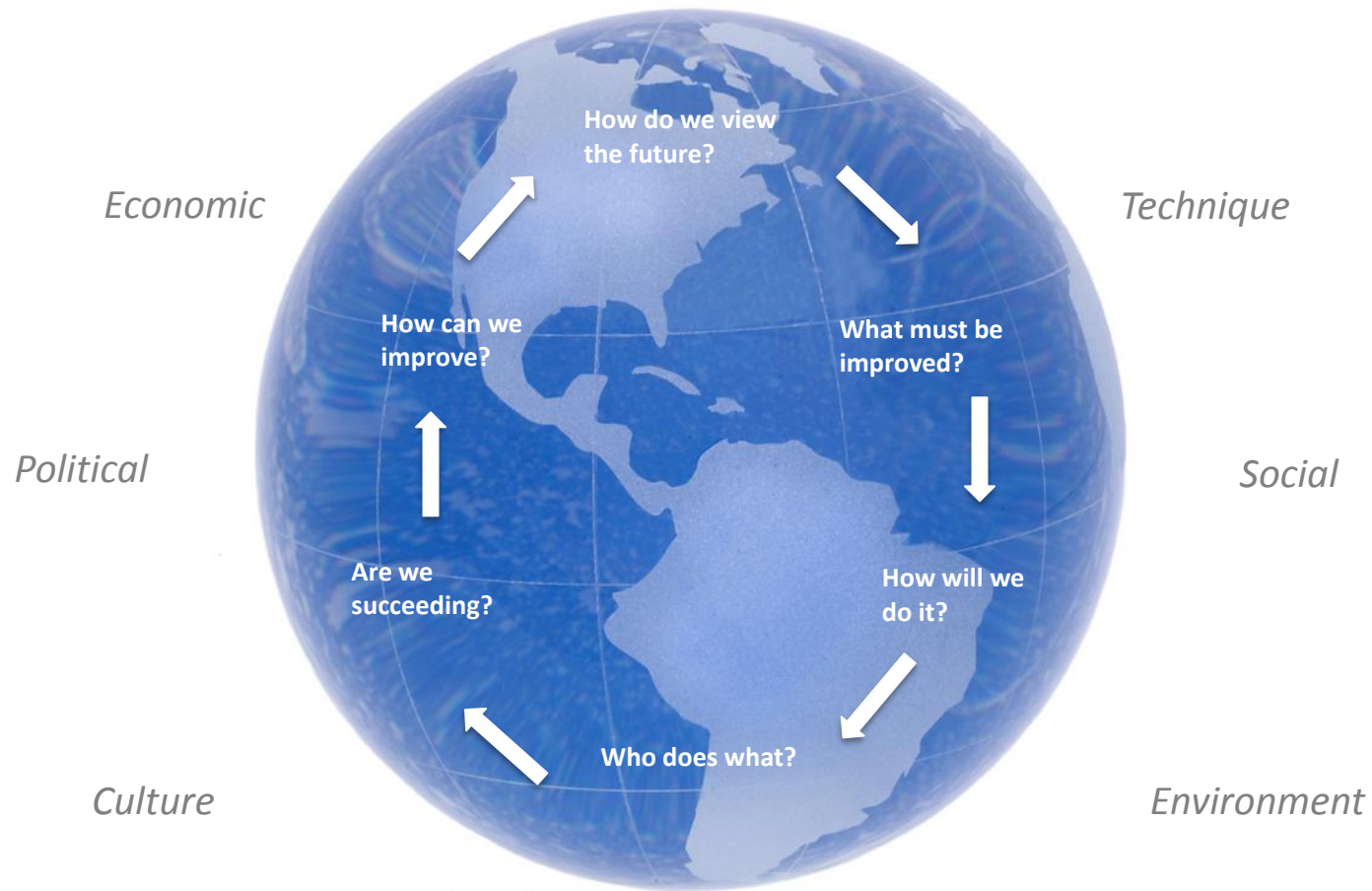
Waste Recovery



International Partner



Sustainability model



Current partnerships

- City Clusters - Sleman, Yogyakarta
- Waste to Value – Palu, Sulawesi
- Prestudy – Pontianak, Kalimantan
- Waste Management – Da Nang, Vietnam



Waste Recovery – an international partnership

