

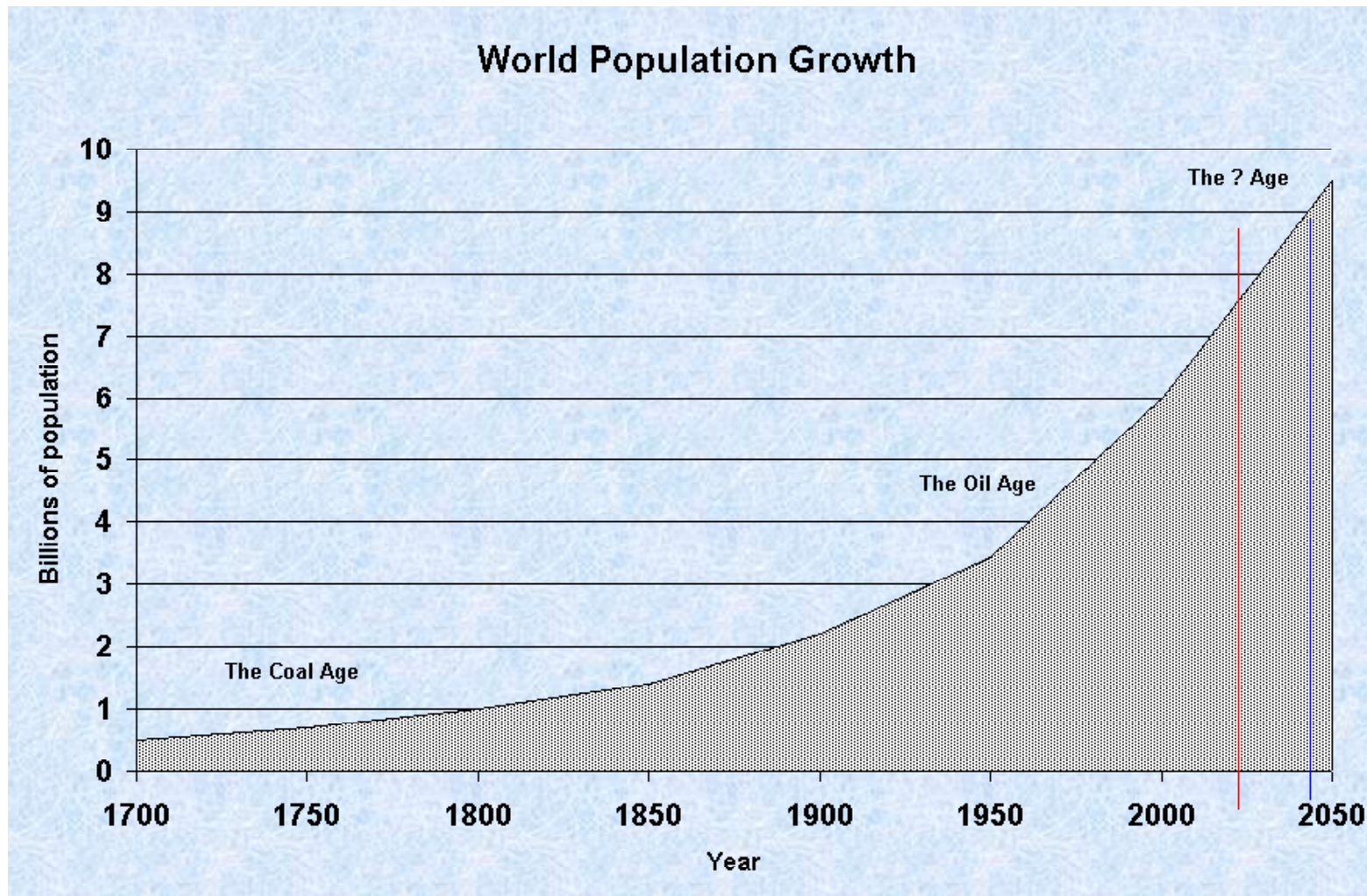
**NI energy & environment**  
CONFERENCE 09

Business Opportunities form  
waste

Alastair Nicol,  
Element Consultants



# Vital Statistics



# Limits for biomass ?

- Lots of different fuels and different resources
- Still limited resources
- Competition for land
- Food priority for growing populations
- Rising sea levels reduce land availability
- Physical output is limited

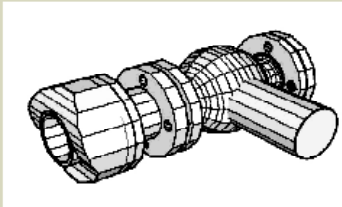


# Code of conduct

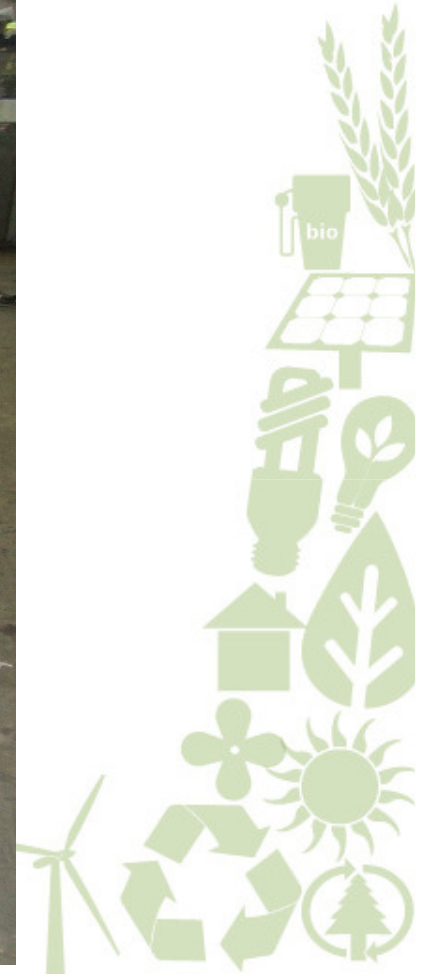
- Remove (Remove waste at source)
- Re-use (Design for re-use)
- Recycle (reprocess for plastics or paper)
- Recover( Energy from waste)





<p>Made in Northern Ireland ?</p> 	<p><b>Mechanical services</b></p> <p>Light steel fabrication Access systems, ladders, scaffold Permanent platform and gantry</p>	<p><b>HV Design</b></p> <p>Panel Manufacture G59/1 HV Installation G59/1 commission</p>	<p><b>IT Services</b></p> <p>IT System Design IT system Installation</p>
	<p><b>Mechanical services</b></p> <p>Services design Wet services installation Coded welding off site spool TIG/MIG/MMA</p>		
<p><b>Fuel Handling</b></p> <p>Hydraulic design and fabrication Steel Fabrication Shredding and screening Materials handling</p>	<p><b>Biomass Combustion</b></p> <p>Steel fabrication and assembly Metal casting and machining Refractory manufacture Materials handling</p>	<p><b>Generation</b></p> <p>Standby Generator G59/1 HV Installation G59/1 commission</p>	<p><b>Ash Disposal</b></p> <p>Sustainable Concrete Materials Handling systems Dust Cyclone</p>
	<p><b>Electrical Auxiliary</b></p> <p>Panel Manufacture Field wiring Electrical test equipment Transformers and switchgear</p>	<p><b>Steam systems</b></p> <p>Steel fabrication BS5500 Vessel Manufacture Hotwell, Blowdown, Deaeration etc</p>	<p><b>Flue Works</b></p> <p>Steel fabrication Access systems, ladders, scaffold Permanent platform and gantry</p>
	<p><b>Boiler Manufacture</b></p> <p>Water tube specialist item</p>	<p><b>Turbine</b></p> <p>Specialist item</p>	<p><b>Scrubbing Plant</b></p> <p>Specialist item</p>







# Routes to Market ?

- **Partnering**
  - Design and fabrication for Ireland
  - American Companies seeking Euro market (Wte)
  - Asia/pacific Companies seeking Euro market (Wte)
- **Licensed Construction**
  - European Companies seeking Low Cost quality
  - Irish WTE market
- **Local Contracting partners**
  - Significant advantage for foreign contractors in UK Market!
- **INI support**

