



Small Biogas and Government Policy

Biogas3 Final Conference
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Noel Gavigan – Irish BioEnergy Association

Policy Measures

1. Animal By-Product Regulations

2. Sustainable Agriculture and Food

3. Renewable Heat Incentive (RHI) and Feed in Tariff (FT)



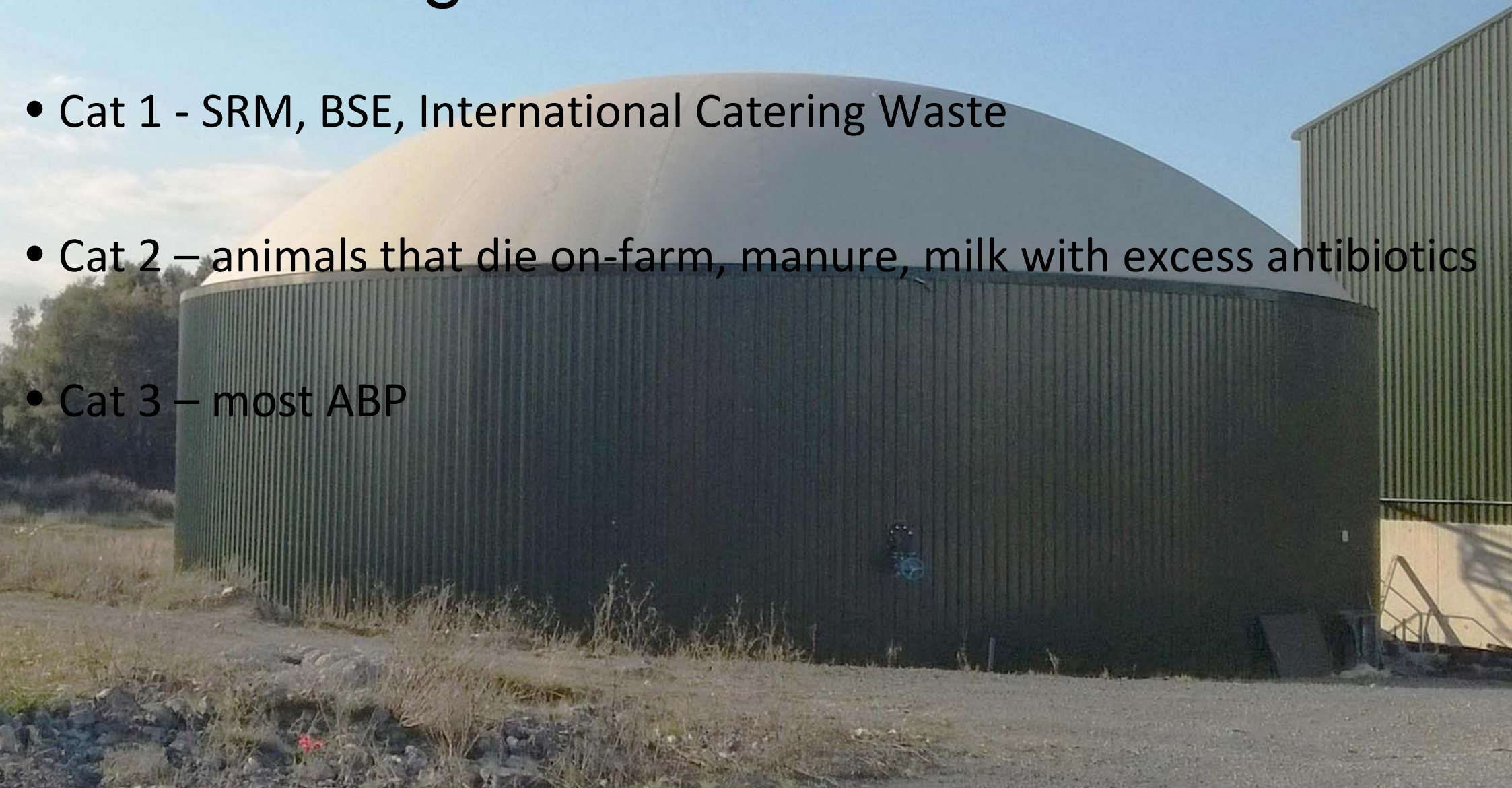
Animal By-Products Regulations

Control the treatment of animal by-products with the aim to protect animal health and food safety

- ABP Regulations are detailed under EC 1774/2002
 - Biogas plants must be approved
- ABP is defined as: Entire bodies, parts of animals and products of animal origin not intended for human consumption
 - Includes Manure, Milk, Catering Waste, many types of food waste
- ABP is controlled in Ireland by the Department of Agriculture Food and Marine, specifically the Veterinary Section
 - Prime focus is the protection of the national herd, and of food safety and food reputation

Three Categories of ABP

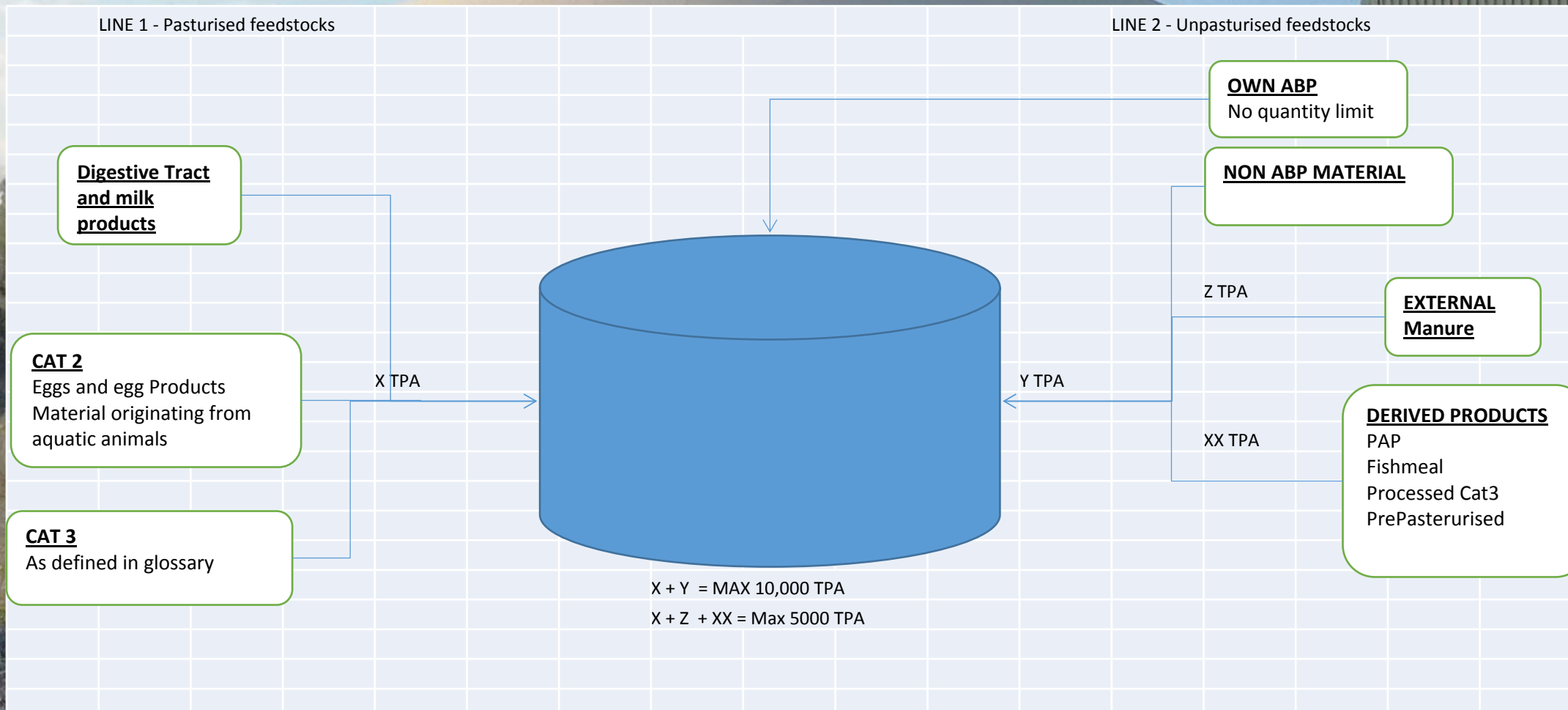
- Cat 1 - SRM, BSE, International Catering Waste
- Cat 2 – animals that die on-farm, manure, milk with excess antibiotics
- Cat 3 – most ABP



Requirements for Biogas Plants

- Pre 2014 all biogas plants required the following
 1. Separate entrance to farm
 2. Double stockproof fencing from farm
 3. No access from farm to biogas plant except by public road
 4. 24 hour parameter monitoring (e.g. temperature)
 5. Vehicle wash area
 6. Staff required to change clothing from farm to biogas plant
- 2014 – IrBEA lobbied to DAFM, Department of Environment and the Environmental Protection Agency for suitable on farm regulations

ABP Regulated Biogas Plant (type 7)



DAFM “Type 9” Farm Digestion Plant

Transformation parameter	Plant Type	Time/ Temp/ Particle size	List of potential feedstocks	End-use
No specific transformation parameters	9	None required	<ul style="list-style-type: none"> • Own ABP as defined in the glossary (manure, milk, colostrum) • Non-ABP feedstocks from the same farm holding as the biogas plant is located. 	Can only be supplied for direct land-spread in the Rol.

- Plant can exist inside the normal farm
- Operator must record daily inputs and outputs

Sustainable Agriculture

- Biogas3 linked up with the “Origin Green” Programme



Working
with nature

- Set up by Bord Bia. The only sustainability programme in the world that operates on a national scale
- Green (sustainable) quality assurance scheme for Irish produced food.

Pillars of



Working
with nature

Raw Material

- Supplier Certification
- Sustainability initiatives
 - **Low environmental impact**
 - Increasing biodiversity
 - **Low carbon**
 - **Low inputs**

Processing

- **Energy**
- **Emissions**
- **Waste**
- Water
- Biodiversity

Social Sustainability

- Health and nutrition
- Community Initiatives
- Employee Wellbeing

Biogas3 – Biogas technology aiding the agri-food industry

Government Supports

Renewable Heat Incentive (RHI)

- Proposed July 2014
- Expected delivery Q4 2016.....
- Direct support for renewable heat used

Renewable Electricity Support Scheme (RESS)

- Direct support for electricity produced
- Replaces REFIT (Renewable Energy Feed in Tariff)
- Expected delivery Q4 2016.....



sustainable
small-scale biogas
from agri-food waste
for energy self-sufficiency

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Thank you....



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