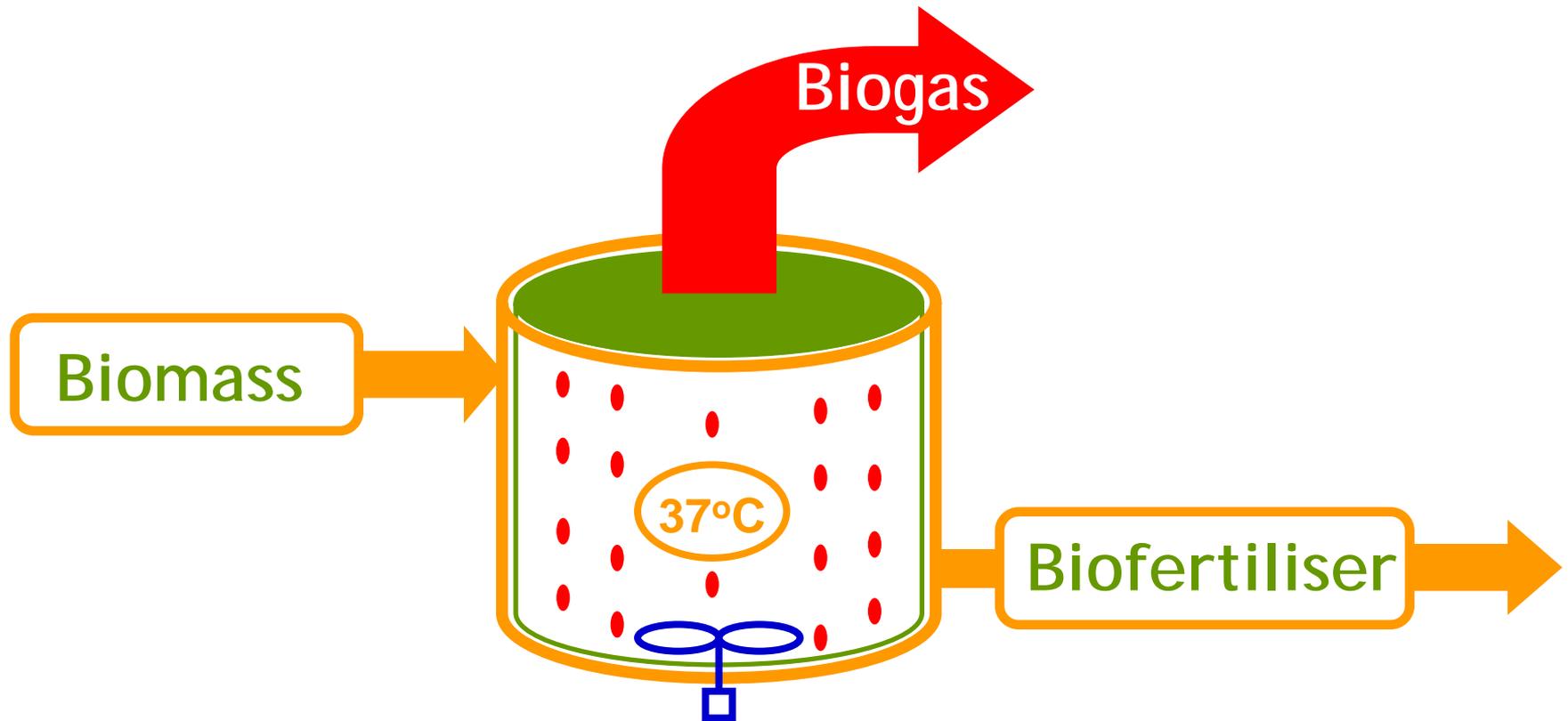
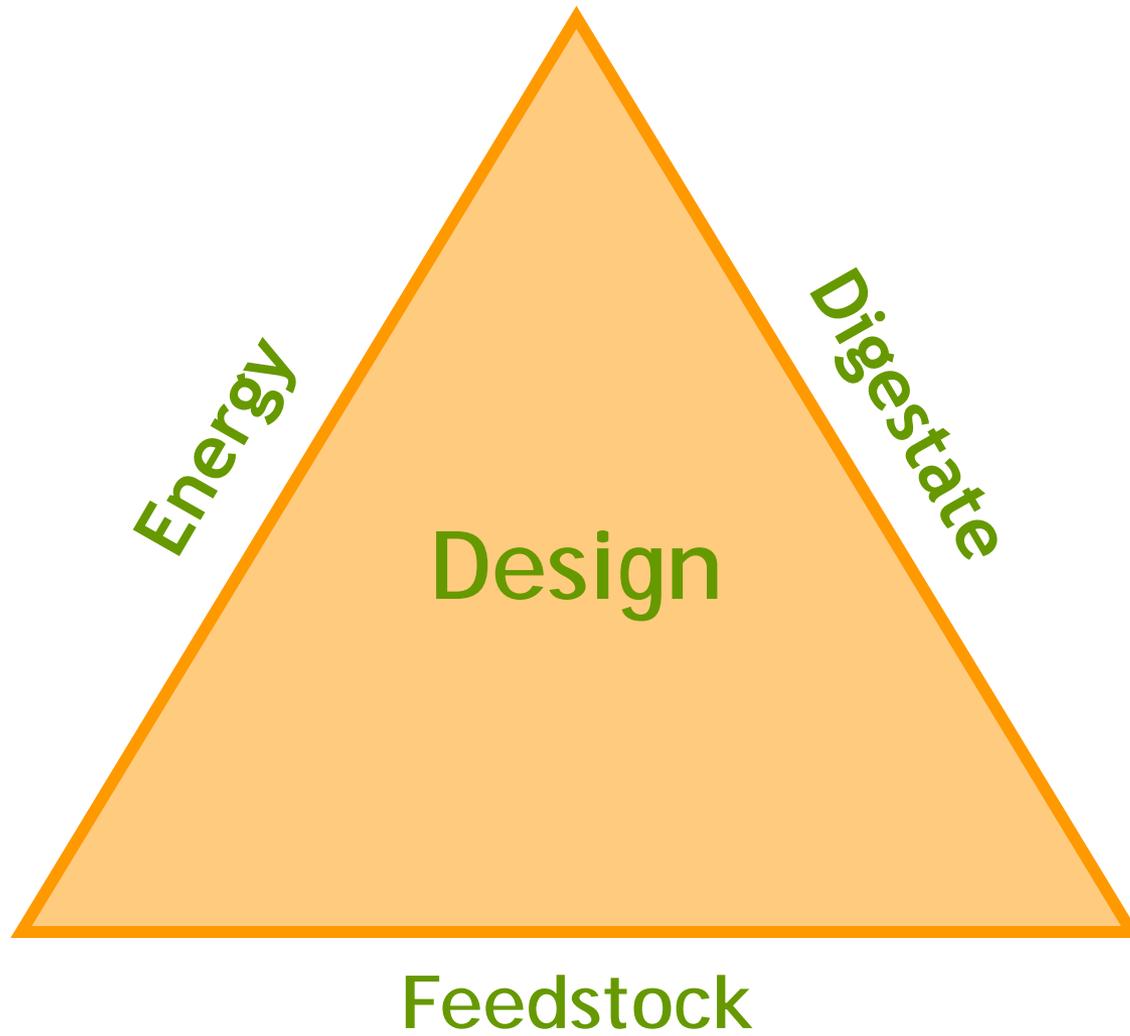


Introduction to AD Economics

Michael Chesshire

Anaerobic Digestion a Natural Biological Process





AD Economics

The economics of the installation and operation of full-scale anaerobic digesters are clearly very important for commercial applications.

The four aspects which need to be considered:-

- Capital cost;
- Operating cost;
- Income; and
- Financial model

Economic Sensitivity

- Types of feedstock.
- Costs of feedstock or gate fee.
- Digestate value or cost.
- CHP electrical efficiency.
- CHP availability.
- Net heat utilisation.
- Value of electricity ($\text{€} \cdot \text{kWh}^{-1}$).
- Value of heat ($\text{€} \cdot \text{kWh}^{-1}$).
- Capital cost.
- Operating cost.