

## Irish Biogas Hands On Training

June 25-28, 2024

Gurteen Agricultural College,

Ballingarry, Roscrea, Co. Tipperary, Ireland

**4-day in-depth training**

**“Plant planning, digester biology, biogas and digestate upgrading”**

This course will be delivered by biogas experts from Germany, Ireland, Italy and UK with many years of practical experience in the biogas sector.

**Tap into our more than 30 years of biogas knowledge !**



### Who will benefit from this course?

- Biogas plant operators and staff
- Farmers planning to operate an AD-facility
- AD developers
- Central & local government officials engaged with AD
- Banks & investment houses, private investors
- Academic institutions

## Program Preview, June 25th-28th, 2024

Registration starts at 8:30

Training starts at 9:00 and ends at 17:30 every day

### June 25<sup>th</sup>: Introduction, Practical Plant Planning

- **Overview of the Biogas technology and its future development**
- Biogas and bioemthane prospects in Ireland
- **Choosing the right substrate and combining it for the optimal digestion input**
- Introduction into design, planning and process engineering
- **Calculation exercises for feasibility and process control**
- Biological process control and process optimisation
- **How to digest fibrous and N-rich feedstocks**
- How to optimize plant performance – using feedstocks from Ireland

### June 26<sup>th</sup>: Digester Biology, Process Optimization

- **Necessary laboratory tests**
- Practical interpretation of operating modes using examples from practice
- **Record keeping**
- Testing parameters during operation
- **Practical devices for plant monitoring**

### June 27<sup>th</sup>: Biogas Upgrading, Biomethane Injection

- **The potential of biomethane as a renewable fuel for heat, electricity and transport**
- Biogas upgrading and different pathways of biogas utilisation
- **Green Generation – Gas to Grid**
- Biomethane in transportation

### June 28<sup>th</sup>: Digestate Upgrading and Marketing

- **Digestate standard and managing digestate to land for agricultural benefit**
- Overview of new digestate spreading and treatment technologies
- **Biomethane plant visit**

**Programme is subject to change!**

#### **Content:**

This biogas training will take place in Ireland.

Together with our supporting partners and co-organizers IRBEA, this program is tailored perfectly to the current political and technological situation in Ireland.

Get to know on what's currently going on with biogas and make well-informed operating or investment decisions, based on what you learn during this event.

#### **Venue:**

Gurteen Agricultural College  
Ballingarry, Roscrea, Co. Tipperary, E53 TP93, Ireland