

# FOOD AND ENERGY

## Interdisciplinary Winter School 2019



Grain measurement, source: TUM/U.Benz

### Topics

- Food-energy-nexus
- Interaction of oil price and food costs
- Sustainable production systems
- Energy-efficient supply chains
- Consumer behavior and the buying cycle
- Food quality and safety
- Food waste: extent and impact
- Optimization of quality, growth, color, nutrition
- Vertical farming



Dairy technology, source: TUM/A.Eckert

### Goals

- Understanding the interaction between food and energy
- Realizing the connected challenges in times of climate change and population rise
- Exploring sustainability in food production, processing and supply chain
- Examining the relation between quality of food and sustainability
- Scientific exchange and networking



Vertical farming, source: Prof. H. Mempel/HSWT

### Facts

- February 18 - 22, 2019
- Where: TUM Science & Study Center, Raitenhaslach, Germany
- Costs: 500 € p.p. (incl. excursion, board, lodging)
- Who: up to 30 participants (Ph.D. candidates, post graduates)
- 3 ECTS with presentation, 1 ECTS without presentation
- Organization: Graduate Center Munich School of Engineering (MSE) at TUM

**For further information please visit:**

<http://www.mse.tum.de/winterschool2019>