



## WASTE MANAGEMENT MODEL

- Maximize organic content
- Dry Matter limit 10%
- C/N Ratio 12-30%
- Inhibitors decrease

TARGET COMPOSITION			
WATER	LIPIDS	PROTS	CARBS
90	5,5	3	1,5

- Constant-rate mix of the groups of input waste to reach target composition.
- Availability of each bio-waste (amount, periodicity, etc.)
- Input planning with providers.
- Input homogeneization through buffer.



**Bio-waste groups**

- Cleaning Waters
- Oils and Fat
- Soft Drinks and Dairy
- Sewage Sludges

**Waste Code Control**

**Input Analytic Control:**

- Bio-gas Production Maximization
- Suitable Digestate for fertilizer

**Digestate Protection:**

- Conductivity and pH protection
- Metals
- Nitrogen