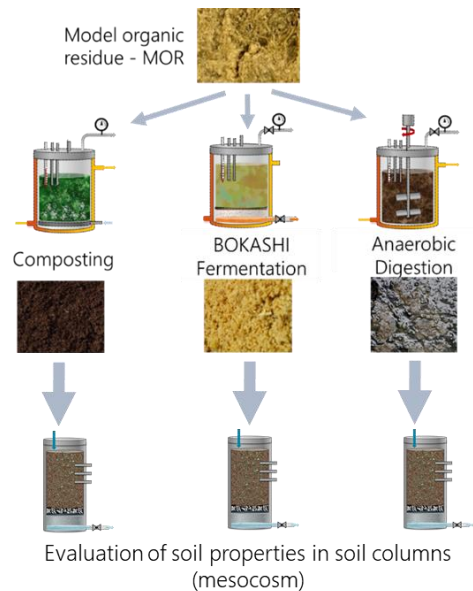


## Effect of different organic amendments on soil properties

As part of the project: “Organic residues engineering to increase organic matter in agricultural soils” ( <https://www.wetsus.nl/soil> )

European soil erosion rates are 1.4 higher than soil formation rates. One of the main drivers of soil erosion is the decline of organic matter. Ironically in some EU countries, two-thirds of the amount of organic residues are landfilled or burned. The bio-waste could be used to replenish carbon losses and reclaim degraded soils. Different technologies are used to produce organic amendments (OAs) such as: composting, anaerobic digestion, and fermentation. However, it is not known to what extent OA chemistry is influenced by these technologies and what effects the OAs of different origin have on soil properties. This knowledge could increase C replenishment effectivity and efficiency of OA application. **This internship is focused on characterizing and comparing different technologies (composting, fermentation, anaerobic digestion) in soil physicochemical properties.**



### Objective:

- Monitoring and analyzing changes in soil properties in a soil column experiment.

The research will be done under supervision of a PhD student. The methods and data analysis are already defined.

### Offer:

Allowance: 175 Euros/month – not applicable for Erasmus students

**Where: Wetsus – Leeuwarden, Netherlands**

Starting date: July of 2021

Duration: 4-6 months

### Requirements:

- EU citizen or international student registered at a Dutch university.
- Specialized in environmental science, soil chemistry, chemical engineering, or related fields.
- Interest for practical laboratory experience and analytical work.

**How to apply:** Send an interest letter and CV to Vania Chavez ( [vania.chavezrico@wetsus.nl](mailto:vania.chavezrico@wetsus.nl) ).

### More information

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[www.wetsus.eu](http://www.wetsus.eu)