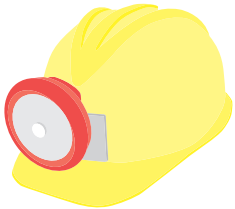
SINReM
INTERNATIONAL MSc

Join the International Master of Science in Sustainable and Innovative Natural Resource Management (SINReM)

BEcause

A new generation of professionals is needed due to the increasing demand for raw materials, their price volatility, the production concentration and the depletion of raw material deposits. This causes challenges along the entire value chain of natural resources. To tackle this supply risk challenge and to deal with environmental problems arising from large emissions of waste (such as CO2), technological innovation is required with respect to exploration of new resources and sustainable primary mining, sustainable use of resources in specific products and production processes (e.g. substitution of critical metals in materials), reduction of waste generation, valorization of secondary (alternative) resources and recovery/recycling of resources from end-of-life products.

The **SINReM Erasmus Mundus Joint Master Degree programme** addresses these needs by educating students to become professionals tailored to the needs of the raw material industry. The master programme is focused on developing and engineering sustainable technologies to reinvent the natural resources and materials value chain. The SINReM master programme will equip the student with the entrepreneurial skills to start their own company.



BEnefit

- Within two years' time, SINReM students attend three leading European universities: Ghent University in Belgium, Uppsala University in Sweden and Technische Universität Bergakademie Freiberg in Germany.
- The SINReM master programme has a mandatory internship and has a wide network of companies with internship and job opportunities.
- The SINReM master programme is embedded in the EIT Raw Materials Knowledge and Innovation Community of the European Union and is EIT labeled. Upon graduation the student receives the EIT label. Students become part of the EIT Raw Materials network.
- After graduation, students obtain a joint degree signed by the three universities: 'International Master of Science in Sustainable and Innovative Natural Resource Management.'
- Scholarships are available for both Non-EU and EU students.

BE on the move

Semester 1 (Sept - Jan)
Ghent University, Belgium
+ TU Freiberg, Germany: 3-weeks course Problems & Innovations in the Process Chain of Mineral Resources

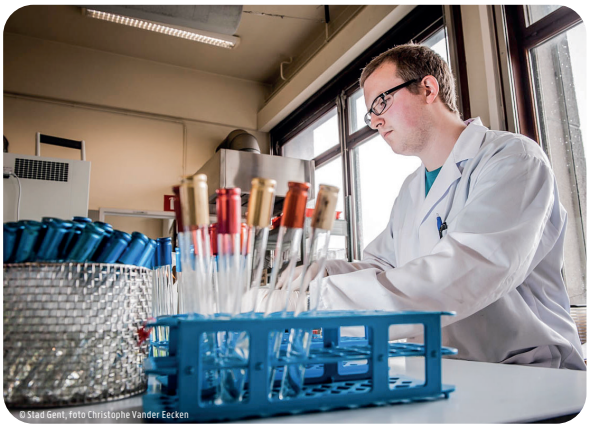
Semester 2 (Jan - June)
Uppsala University, Sweden

July - August
Summer school on Resources Chemistry in Freiberg, Germany
Internship

Semester 3 & 4
Choose one of the five elective majors:
Resource recovery and sustainable materials at Ghent University
Circular societies at Ghent University
Sustainable entrepreneurship at Uppsala University
Georesource exploration at Uppsala University
Sustainable processes at TU Freiberg

Master thesis

GHENT UNIVERSITY
UPPSALA UNIVERSITET
TU BERGAKADEMIE FREIBERG
eit RawMaterials ACADEMY
With the support of the Erasmus+ Programme of the European Union



BEcome

The Master of Science in Sustainable and Innovative Natural Resource Management will prepare you to become:

- A **professional** focused on developing technologies to engineer and reinvent the raw material cycles and make them more sustainable.
- An **entrepreneur** in resource recovery and innovative technologies for sustainable mining, extraction processes and material use.
- A **world citizen** with an **international network** of (future) professionals: the programme is joined by students from several continents and intensively promotes international networking, exchange of knowledge and experience between students, researchers and professionals of different nationalities.

Partners

Core partners:

- Ghent University (Ghent, Belgium)
- Uppsala University (Sweden)
- TU Bergakademie Freiberg (Germany)

Associated partners of the programme: please check sinrem.eu

Admission criteria

- A successfully accomplished first degree of higher education, equivalent to a Bsc. degree in engineering or science including 15 ECTS in mathematics and/or physics and 10 ECTS in chemistry or an equivalent qualification.
- Proven English language proficiency
- Please check sinrem.eu/admission-applying/ for more detailed information.

Cost

- Tuition fee: fees can be subject to revision. Please consult sinrem.eu/fees-and-scholarships/
- Estimated living, insurance & accommodation expenses: sinrem.eu/fees-and-scholarships/

Scholarship opportunities

- Erasmus Mundus Joint Master Degree scholarships are available (= full scholarships). Please check sinrem.eu/fees-and-scholarships/
- EIT Added Value Student Activities (AVSA) grants (13.500 Euro)
- Check for scholarship opportunities in your own country or visit itc.ugent.be

Apply now!

Apply before **March 1st** (for non-European applicants and scholarship seeking applicants: European or other) or before **June 1st** (for non scholarship seeking European applicants).

Questions?
applications.itc@ugent.be

Please take into account that the processing time of your application could take up to 2 months. An early start is highly recommended.

V.U.: Ghent University, Faculty of Bioscience Engineering, Coupure links 653, B-9000 Ghent

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itc.ugent.be

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