

## PhD Student

Long-term large-scale soil erosion and lateral carbon transfers to lacustrine systems modeling : coupling models and paleolimnology



**Théo MAZURE**

26 years old

Grenoble

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Driving Licence



## EXPERIENCES & COMPETENCES

**2021 - 2024 : PhD Thesis : UMR 0042 CARTEL INRAE USMB - Jean-Philippe Jenny (INRAE), Georges-Marie Saulnier (EDYTEM) & Vincent Chanudet (EDF) :** Long-term large-scale soil erosion and lateral carbon transfers to lacustrine systems modeling : coupling models and paleolimnology

**2021 : Internship - EDF DTG Grenoble (6 months) - Cécile Martinet :** Soil sediment yield modelling on EDF Alps dams network

⇒ RUSLE & SDR modeling development & implementation

**2019 : Intership - Le Havre Seine Métropole (4 months) - Stéphane Chédeville et Nicolas Lecoq :** Flood by runoff forecasting for retention ponds management on Le Havre the urban community territory

⇒ Conceptual rainfall/discharge modelling development & implementation (Karstmod)

**2018 : Internship - CNEK & M2C laboratory (6 weeks) - Joël Rodet et Nicolas Lecoq :** Caractérisation de la distribution géométrique des phénomènes de Liesegang en contexte crayeux (Normandie - France).

⇒ Lecture at the JSS 2018 (Han-sur-Lesse, Belgium)

## DEGREES

**2018 – 2021 : Master of Sciences - Hydrogeosystems management – With honors**

Rouen Normandy university

**2015 - 2018 : Bachelor of Sciences – Earth & environmental sciences – With honors**

Rouen Normandy & Caen universities

**2015 : Baccalaureate of Sciences – With honors**

Physics/chemistry, english & latin sections - Vallée du Cailly highschool

## ASSOCIATIVE

**Centre Normand d'Étude du Karst (CNEK) :** Caving (<http://www.cnek.org/>)

**2022 - 2024 : Students delegate of the SIE doctoral school (USMB)**

## COMPUTING

### Data Mining

Office / R / SQL / Python / UNIX

### Cartography / GIS

ARCGIS / QGIS

### Hydrological, hydrogeological & erosion modeling

AquiferTest / Karstmod / ModFlow /  
TELEMAC / RUSLE / SDR

### Geophysical modeling

Res3Dmod / Res2Dinv / IPI2win

## HOBBIES

### Mobility

2019 - 2020 : WHP New - Zealand

### Scientific watch

Field trips / Dunod editions /  
Scientific journals

### Sport

Caving / Hiking / Biking

### Music

LPs recording, production &  
promotion between 2013 and 2022

### Veliocasses :

<https://veliocasses.bandcamp.com/releases>

## LANGUAGES



Native language



Fluent  
(B2 certification)