

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 : 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)