THOMAS DRUGÉ

Postdoctoral researcher in climate physics

RESEARCH INTERESTS

- Modelling and study of aerosol-radiation interactions
- Aerosol variability
- Aerosol effects on climate and feedbacks

CONTACT

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Météo-France, Centre National de Recherches Météorologiques (CNRM), Climate and Large-Scales Modelling Group (GMGEC), MOSCA Research Team, 42 avenue Coriolis, 31057 Toulouse (France)

EDUCATION

PhD in regional climate system modelling

Météo-France, CNRM (France) | 2016 – 2019

"Contribution of aerosols to climate scenarios in the Mediterranean for the XXI century in regional scale."

Supervisors: Dr Marc Mallet, Dr Pierre Nabat & Dr Samuel Somot

MSc in environment – climatology

University of Burgundy (France) | 2014 – 2016

Supervisors: Pr Pierre Camberlin

RESEARCH EXPERIENCE

Postdoctoral researcher - Météo-France, CNRM (France) | 01/2020 – 06/2021

"Development and improvement of the aerosols parameterization at the global scale (Copernicus project)."

Supervisors: Dr Martine Michou, Dr Pierre Nabat & Dr Marc Mallet

LANGUAGE and SKILLS

French: native

English: fluent

Computer skills: Fortran, NCL, R, Matlab, Linux/UNIX environment, LaTeX

REFERENCES

Dr Marc Mallet CNRM (Université de Toulouse, Météo-France, CNRS), Toulouse, France marc.mallet@meteo.fr	Dr Pierre Nabat CNRM (Université de Toulouse, Météo-France, CNRS), Toulouse, France pierre.nabat@meteo.fr	Dr Samuel Somot CNRM (Université de Toulouse, Météo-France, CNRS), Toulouse, France samuel.somot@meteo.fr

PUBLICATIONS

- **Drugé, T.**, Nabat, P., Mallet, M., & Somot, S. (in prep.). Evolution and impact of aerosols on the future Euro-Mediterranean climate.

- Nabat, P., Somot, S., Cassou, C., Mallet, M., Michou, M., Bouniol, D., Decharme, B., **Drugé, T.**, Roehrig, R., & Saint-Martin, D. (in prep.). Modulation of radiative aerosols effects by atmospheric circulation over the Euro-Mediterranean region.

- **Drugé, T.**, Nabat, P., Mallet, M., & Somot, S. (2019). Model simulation of ammonium and nitrate aerosols distribution in the Euro-Mediterranean region and their radiative and climatic effects over 1979-2016. *Atmos. Chem. Phys.*

SCIENTIFIC COMMUNICATIONS

Oral Presentations:

- Drugé, T., Nabat, P., & Mallet, M. (2019). Future Euro-Mediterranean climate sensitivity to anthropogenic aerosols. Med-CORDEX, Toulouse, France.
- Drugé, T., Nabat, P., Mallet, M., & Somot, S. (2019). Future Euro-Mediterranean climate sensitivity to aerosols. EGU, Vienna, Austria.
- Drugé, T., Nabat, P., Mallet, M., & Somot, S. (2018). Study of the aerosols role on the future climate over the Mediterranean region. FPS Aerosols, Toulouse, France.

Posters:

- Drugé, T., Nabat, P., Mallet, M., & Somot, S. (2018). Radiative and climatic effects of ammonium-nitrate aerosols over the Euro-Mediterranean region. MEDCLIVAR Conference, Belgrade, Serbia.
- Drugé, T., Nabat, P., Mallet, M., & Somot, S. (2017). Integration of nitrate aerosols into the CNRM regional climate system model and estimation of their radiative forcing over the Mediterranean region. MISTRAL Workshop, Montpellier, France.