



Cagri Alperen Inan

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WORK EXPERIENCE

FONDAZIONE CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI - CMCC - CASERTA, ITALY

Business or Sector Professional, scientific and technical activities

POST-DOCTORAL RESEARCHER - 05/05/2025 - CURRENT

- Hydrological and hydrological modelling
- Combining different modelling suites for climate change impact analysis

UNIVERSITÀ DEGLI STUDI DI NAPOLI PARTHENOPE-DIPARTIMENTO DI INGEGNERIA - NAPLES, ITALY

Business or Sector Professional, scientific and technical activities

POST-DOCTORAL RESEARCHER - 01/12/2023 - 28/02/2025

- 2D hydrodynamic modelling
- Finite difference, finite element, finite volume methods in numerical modelling
- Fluvial and pluvial flood modelling

L'INSTITUT TERRE ET ENVIRONNEMENT DE STRASBOURG (ITES) (UMR7063) - CNRS - STRASBOURG, FRANCE

Business or Sector Professional, scientific and technical activities

POST-DOCTORAL RESEARCHER - 01/07/2023 - 30/11/2023

- Hydrological modelling
- Hydrogeological modelling

EDUCATION AND TRAINING

01/09/2019 - 18/01/2023 Alès, France

PHD IMT Mines Alès - France

- Machine learning (statistical learning)
- Flood forecasting for early warning systems
- Neural networks, data assimilation
- Hydrology, hydrogeology

Website <https://www.imt-mines-ales.fr/> | **Field of study** Earth sciences | **Level in EQF** EQF level 8 |

Thesis Artificial neural networks flood forecasting: Investigation of the contributions of data assimilation for applications to Cevennes rivers

01/09/2016 - 24/10/2017 Poitiers, France

MASTER'S DEGREE Université de Poitiers

- Artificial neural networks
- Flash flood prediction
- Hydrogeology and associated transfers
- Tracer analysis in rivers and porous media

Website <https://www.univ-poitiers.fr/> | **Field of study** Earth sciences | **Level in EQF** EQF level 7 |

Thesis Rainfall - runoff prediction based on artificial neural network, a case study in la Chartreux spring, France

- Geological mapping and investigation
- Principles of hydrogeology
- Geochemistry and thermodynamics
- Geophysics
- Geothermal energy

Website <https://www.metu.edu.tr/> | **Field of study** Earth sciences | **Level in EQF** EQF level 6 |

Thesis Decalsinization of geothermal power plant production wells

● LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	C2	C1	C1	C2	C1
ITALIAN	B2	B2	B1	B2	B2
GERMAN	A1	A1	A1	A1	A1
ARABIC	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● SKILLS

Microsoft Office | Python | Linux - Ubuntu

Statistical learning (Machine Learning)

principles of artificial intelligence | artificial neural networks | deep learning | Data Assimilation

Earth science

hydrology | Flood forecasting | Hydrogeology | geographic information systems | climate change impact | Hydrology and Water Resources Management software and models | hydraulics | geology