

Mirza Čengić

PHD RESEARCHER

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This is something about me.

Experience

Radboud University

PHD RESEARCHER

Nijmegen, Netherlands

Jul. 2016 - Jul. 2020

- Modeling land use change at very high spatial scales and its impact on biodiversity
- Modeling species-specific impacts of climate change and land use change on biodiversity globally

Herpetological Association of Bosnia and Herzegovina "ATRA"

MEMBER OF ADVISORY BOARD

Sarajevo, Bosnia & Herzegovina

Aug. 2012 - current

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NGO Horizont

PROJECT ASSISTANT

Sarajevo, Bosnia & Herzegovina

2010 - 2014

- Participated in designing and executing of projects in the sphere of sport, culture, and education.

Association of Biology Students

VOLUNTEER

Sarajevo, Bosnia & Herzegovina

2010 - 2013

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Education

University of Twente

MSc IN GEO-INFORMATION SCIENCE AND EARTH OBSERVATION FOR ENVIRONMENTAL MODELLING AND MANAGEMENT

Enschede, Netherlands

May. 2015 - Jun. 2016

- Final year
- Courses: Research skills; Statistics; 3D Geoinformation from imagery using UAV's; Species distribution modeling and climate change impact
- MSc thesis: "Does the Natura 2000 network really protect the species? A case study of the Cretan herpetofauna."

Lund University

MSc IN GEO-INFORMATION SCIENCE AND EARTH OBSERVATION FOR ENVIRONMENTAL MODELLING AND MANAGEMENT

Lund, Sweden

Sep. 2014 - May. 2015

- Orientation year
- Courses: Geographic Information Systems - Basic Course and Advanced Course; Ecosystem modeling; Remote Sensing - Digital Methods; GIS and Remote Sensing in Distributed Environmental Modeling

Friedrich Schiller University Jena

STATISTICAL ANALYSIS OF HYPERSPECTRAL AND HIGH-DIMENSIONAL REMOTE-SENSING DATA

Jena, Germany

March 2016

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University Koblenz-Landau

INTERNATIONAL SUMMER ACADEMY ON SPATIAL ECOTOXICOLOGY AND ECOTOXICOLOGICAL RISK ASSESSMENT

Landau, Germany

Sep. 2015

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University of Sarajevo

BSc IN BIOLOGY AND ECOLOGY

Sarajevo, Bosnia & Herzegovina

Mar. 2008 - Nov. 2013

- BSc thesis: "Building the GIS database for herpetofauna of Bosnia & Herzegovina"

Skills

TECHNICAL SKILLS

- scientific programming, statistical modeling, forecasting, regression analysis, machine learning, big data wrangling, process automation, data visualization
- spatial analysis, GIS, ArcMap, QGIS, command line

SOFTWARE

- R, ArcMap, QGIS, SAGA GIS, Excel

Languages

Bosnian/Serbian/Croatian
English
Dutch

Native knowledge
Excellent - C2
Intermediate - B1

Teaching

2019	Participating in a BSc level university course Introduction to R programming	<i>Radboud University</i>
2018 - 2019	Participating in a MSc level university course Biodiversity assessment	<i>Radboud University</i>
2019	Workshop	<i>DSB Pecka</i>
2017	Workshop	<i>IIAP Iquitos</i>

Honours and awards

2014	Erasmus Mundus scholarship for GEM Joint MSc programme	<i>Erasmus Mundus</i>
2014	Swedish Institute master programme scholarship	<i>Swedish Institute</i>
2015	Summer University Course Scholarship	<i>DAAD</i>
2016	People's choice award for app "SenseAIR" in NASA Space Apps Challenge held at ESA BIC Noordwijk, Netherlands and top 25 global solutions in NASA Space Global Space Apps Challenge for app "SenseAIR"	<i>NASA & ESA</i>
2016	1st prize for project idea – "OpenAir" – Air pollution information system based on open data	<i>opendata.ba</i>