



# MIRNA MATOV

PhD student in Meteorology - Sofia University "St. Kliment Ohridski"

## PROFILE

I am a second year PhD student in the Department Meteorology and Geophysics at Sofia University "St. Kliment Ohridski" and my thesis topic is "Regional climate projects on the Balkan Peninsula for the 21st century". I have developed excellent communication skills through my job at the America for Bulgaria Children's Science Museum "Muzeiko", where I work as a learning team member.

## ADDRESS

Department of Meteorology and Geophysics,  
Faculty of Physics,  
University of Sofia, 5 J.Bourchier Str, Sofia 1126,  
BULGARIA

## DATE OF BIRTH

14<sup>th</sup> April, 1993

## CONTACT

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## LANGUAGES

Bulgarian  
Serbian  
English

## EDUCATION

### **Sofia University "St. Kliment Ohridski" – PhD in Meteorology**

*Feb 2019 - Present*

I am a second year PhD student in the Meteorology and Geophysics department at Sofia University "St. Kliment Ohridski" and my thesis topic is "Regional climate projects on the Balkan Peninsula for the 21st century."

### **Sofia University "St. Kliment Ohridski" – Master's degree in Meteorology**

*Oct 2016 – Apr 2018*

Topic of my diploma thesis is "Climate projections for 21st Century of ground pressure and wind on the Balkan peninsula based on CORDEX project data"

### **Sofia University "St. Kliment Ohridski" – Bachelor's degree in Astrophysics, Meteorology and Geophysics**

*Oct 2012 – July 2016*

Topic of my diploma thesis is "Climate changes in Global Atmospheric Circulation"

## WORK EXPERIENCE

### **America for Bulgaria Children's Science Museum "Muzeiko", Learning team member**

*Aug 2017 – Present*

As a secondment, I work at America for Bulgaria Children's Science Museum "Muzeiko" as a Learning team member and science communicator. Our goal is to inspire kids to study science demonstrating them that science is funny, easy and interesting.

## SKILLS

Computer skills: Windows, Linux, GrADS, Gnuplot, MS Office, Python;  
Social skills: teaching, communication, flexibility, teamwork, patience;

## PARTICIPATION IN SCIENTIFIC EVENTS

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- I participated in Second PhD Conference at Sofia University "St. Kliment Ohridski" in Sofia, Bulgaria on 20<sup>th</sup> February, 2019, and my presentation was published as a full-text article and titled "Climate projections for 21<sup>st</sup> Century of ground pressure and wind on the Balkan peninsula based on CORDEX project data" in the Proceedings of the conference (in Bulgarian).
- I participated in the Copernicus Marine Service General Assembly in Brussels, Belgium, from May 20 to May 22, 2019. At the conference I participated with poster presentation on "Observed freezing on the Black Sea coast and relation to the air temperature variations."
- I presented the results of the freezings in the Black Sea to a training seminar "Physics and Chemistry of Earth, Atmosphere and Ocean" funded by "Doctoral Center" St. Kliment Ohridski " in Varshets, 31.05.2019-2.06.2019.
- I participated in "Spring Open Day" 2019 in Faculty of Physics with demos about atmospheric pressure, wind and clouds.
- I participated in FameLab science communication competition organized by the British Council in Bulgaria - one of the biggest science communication competitions in the world, and I was a national finalist in 2019

## PARTICIPATION IN PROJECTS

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- Participation in the National Research Program "Environmental Protection and Reduction of Adverse Events and Natural Disasters Risks" in WP.I.1. Regional / local characteristics of the country's climate, tasks WP I.1.2 "Computer simulations and analysis of future regional climates of the Balkan Peninsula and the country" and WP I.1.3 "Assessment and analysis of some impacts of current and future regional / local climates of The Balkan Peninsula and the Country."
- Participation in the project "Promoting the Scientific and Educational Activities of Astronomers, Meteorologists and Geophysicists in Bulgaria and the Applicable High Technologies in these Natural Sciences". The project aims at presenting the scientific and educational activities of the departments of Astronomy, Meteorology and Geophysics to key audiences of potential students.

## PUBLICATIONS

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- Matov M., 2019, "Climate projections for 21<sup>st</sup> Century of ground pressure and wind on the Balkan peninsula based on CORDEX project data", Proceedings of the Second PhD Conference, 20<sup>th</sup> February, Sofia, pp. 183-217 (in Bulgarian) [https://drive.google.com/file/d/12yLkRTpA\\_eizhLADqGrOhzPMII5\\_L91/view](https://drive.google.com/file/d/12yLkRTpA_eizhLADqGrOhzPMII5_L91/view)
- Matov M., E. Peneva, B. Shtirkova and B. Cvetanov, 2019, Observed freezing on the Black Sea coast and relation to the air temperature variations, poster for Copernicus Marine Service General Assembly, Brussels, Belgium, from May 20 to May 22, 2019.