

## STEPS Students Report

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From 2nd of September to 30th of September, I had an opportunity to take part in STEPS program. I spent four unforgettable weeks in the Coastal Engineering laboratory of Prof. Shinji Sato (Civil Engineering Department).

The subject of my research during the internship period was connected to my master's thesis, in the main direction. In the laboratory of Prof. Sato, I studied how to use different methods and experiments to research the wave transformation and sediment transfer to the coastal zone and how to research the evolution of the shoreline. Especially I pay attention to the shoreline change model. In the end of my internship I had quantitative results based on the use of computational methods as the Longshore Sediment transport rate computed by the wave energy flux for my area of research.

Farther, I was lucky to be a participant of a field trip (09/09/2018-09/10/2018) to the Chiba Peninsula, where students studied with the coastal protection system on the Pacific Coast and hydrotechnical flooding protection structures on the Tone River. During this trip, I felt a complete immersion in the methods of work and the life of Japanese scientists starting from the organization to the traditional dinner and sleeping on futons.



In the field trip



Farewell party

I am very thankful to Prof. Sato and students from his laboratory for their help and kindness during my stay in the University of Tokyo. I also would thank students of UTokyo: Lisse Hasegava for incredible time together and help in all questions, Yasushi Suko for new research experience and meeting with Japanese art, Yu Saito for exploring Yokohama... and many other kind people in UTokyo.



In Kamakura (Dankazura street) with STEPS participants



In Yokohama with Yu Saito

In order to fully immerse myself in the everyday Japanese lifestyle, I, along with other Russian participants of the STEPS program (Gilana Kazakova, MSU; Elena Reutskaya and Philip Leontyev, SPbU) took a trip to the ancient samurai capital Kamakura. We investigated Japanese culture, enjoyed the indescribable atmosphere of Buddhist and Shinto temples, the beauty of nature and the ocean. In the mountain Kusatsu-onsen, we were stricken by the combination of incredible nature and respect for it by the Japanese, the integration of tourist infrastructure in the natural landscape.

I also would like to say that I am very grateful to UTokyo and MSU for such incredible opportunity to study and improve my professional skills in best worldwide universities. I could not explain all feelings I had; I can only say how happy was I. I think STEPS program is the brilliant possibility to combine scientific research with immersion in Japanese lifestyle.