

October 29-30, 2018
Budapest, HungaryAlbina Tonkonozhenko, Expert Opin Environ Biol 2018 Volume: 7
DOI: 10.4172/2325-9655-C7-038

RESEARCH TO IMPROVING HURRICANES FORECAST TO 7 DAYS

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Main Objective: Reduction of the costs of state structures for the rehabilitation of infrastructure, and people's lives after the after the hurricanes, Improving the forecasting climate model of hurricanes.

Urgency/Actuality Of The Research: It can increase the forecast coming hurricanes, even their begining in the ocean, because the warning of the attack of the hurricane is measured only for hours in the nowadays.

Every year hurricanes bring significant economic losses about 100 millions dollars (the record damage from hurricane Irma in 2017 was the largest and amounted about 100 million dollars in losses) and if to increase the accuracy of the predictions of hurricanes by at least 1%, this will improve the situation for subsequest hurricanes of at least 30%.

The solution is to improve the accuracy and long-term prediction of the occurrence of hurricanes for early -warning in order to preserve the lives of citizens, this can be done through a detailed study of the interrelation between the rise of surface temperature in ocean (one of the consequences of global warming) and the frequency of hurricanes.

Biography

Albina Tonkonozhenko has been serving a chief metrologist for 5 years in Testing Laboratory "SCL" (chief engineer for equipment for various measurements of the microclimate and physical factors of the environment, which also includes calibration, certification - which allows for more accurate and qualitative measurements). Since childhood she dreamed of working in the field of ecology, oceanography and climate change. In Russia this area is not developed, so this year she took a course on climate change at the University of Chicago and now very passionate about extreme weather events such as hurricanes.

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