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Construction of multi-parameter EM stations in Kochi under the national program and its scientific background

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IUGG inter-association working group on Electromagnetic Studies of Earthquakes and Volcanoes organized biennial general assembly in Konstancin Jeziorna, Poland in September 2014. During the meeting one of the major conclusion was that the combination of multi-parameter survey is only the way to achieve a practical earthquake forecast. However, we dare to say, the most important point is that each parameter must be clarified scientific substantial clue. Otherwise, the forecast itself has no meaning.

We installed electromagnetic observation devices in ULF and VHF bands in February 2015 in Kuroshio town, western part of Kochi Prefecture under the, what we call, national earthquake prediction research project. We will install VLF device in the future.

The reason why we select Kuroshio town is as follows:

1)According to the official statement of Cabinet Office, the highest tsunami height is reported (the worsted case; 34m) impending mega-quake along the Nankai trough.

2)Last Nankai Earthquake in 1946, clear macroscopic anomalies such as underground water changes, crustal deformations were reported.

In the presentation, we would like to present the latest data and future plan for the tactics of the short-term earthquake prediction research.

Keywords: Electromagnetics, Kochi, Kuroshio town, Earthquake prediction