



## To predict something is better than nothing

Oleg Molchanov and Alexander Schekotov

Institute of the Physics of the Earth, Laboratory of Geoelectrodynamics, Moscow, Russian Federation (olmolchanov@mail.ru)

Since about last decade of 20th century geophysical community had divided on two groups concerning a possibility of earthquake (EQ) prediction. Majority, can be called as pessimists, consider EQ as random event and claimed impossibility of prediction, basing on none prediction of large EQs after Haicheng75, SOC concept and failure of all the physical models of EQ preparation. In contrary, optimists believe that EQ are triggered events and EQ forecast will be like weather forecast in the nearest time. Analysing results of the long and rich experience of short-term precursor investigation in Japan and Russia we conclude on intermediate situation: Reliable prediction of every large EQ is impossible in principle, however using regular registration of the several precursors some part of large EQ could be forecasted with sufficient accuracy of time, place and magnitude determination. For example, using precursor combination as seismic foreshocks and seismo-acoustic emission + ULF/ ELF magnetic field variations+water/gas release data in the same network it will be possible to forecast about 20-30% of the dangerous EQs .