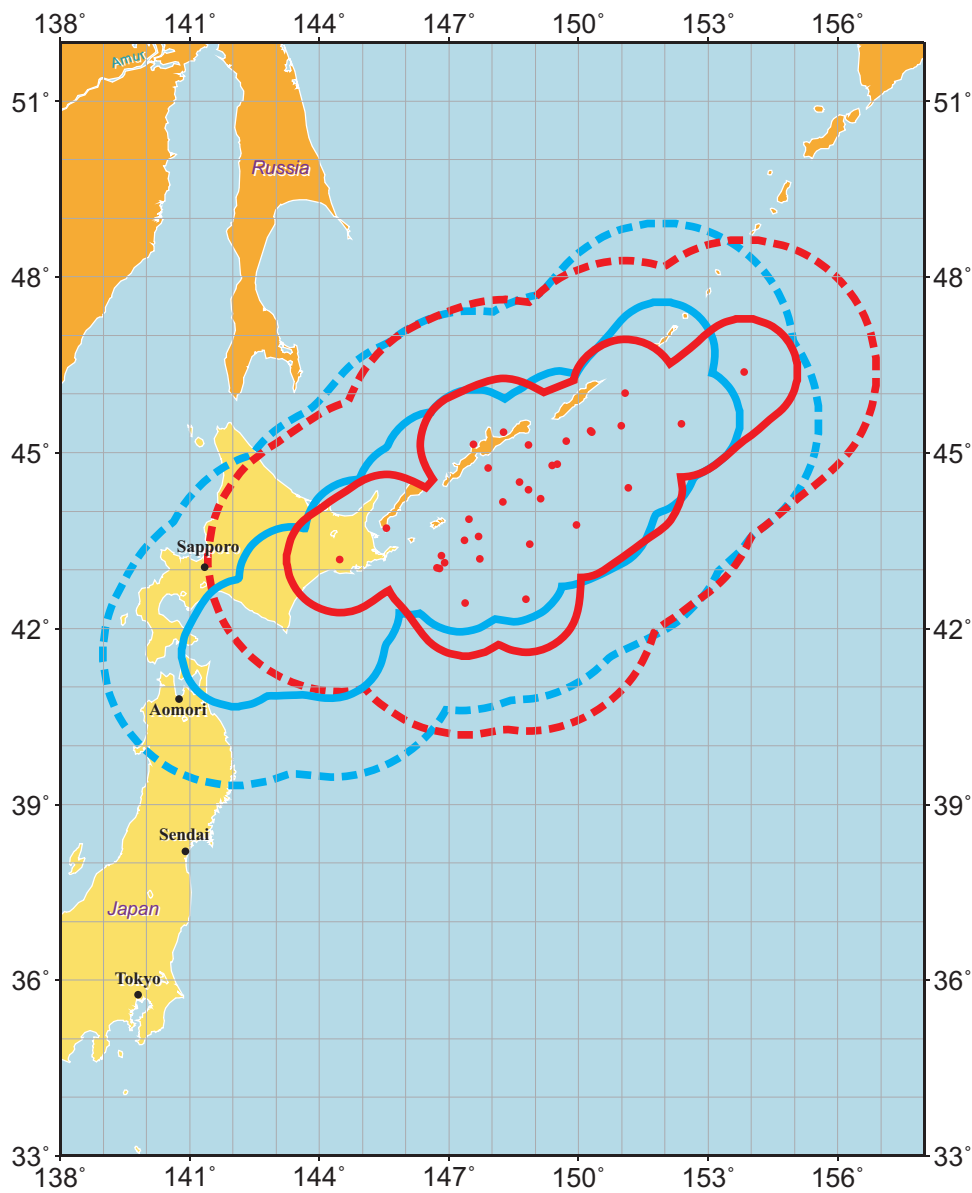


Experiment in prospective earthquake prediction using Reverse Tracing of Precursors (RTP) Prediction #10a, October 10, 2006



Starting from October 1, 2005 we test in parallel two versions of the prediction algorithm. Test A concerns exactly the same algorithm as before. In test B we made one change: we increased by factor 2.5 the value of the numerical parameter, R, thus expanding the area of alarm.

An earthquake with magnitude $M_w \geq 7.2$ is predicted to occur within the time interval 9 months, from September 30, 2006, to June 30, 2007 in the area shown by red lines in the figure: solid line shows the area of alarm in test A, dashed line in test B.

Estimated probability that a target earthquake will occur by chance in the time-area of alarms #10 or #10a is less than 25% in test A and less than 30% in test B. Estimated probability of a false alarm does not exceed 50% in both tests.

Red circles show the earthquakes that formed precursory chain on September 30, 2006. Area of alarm is shown by red contours: solid line test A, dashed line test B. This alarm extends previously issued prediction #10. Similar notations in blue correspond to that prediction.

Reminder. As you know, earthquake predictions should be released to the public or media only by a proper disaster management authority. Otherwise, prediction may trigger profiteering and disruptive anxiety of population. Accordingly, we open an access to our predictions only to professionals who agreed to comply with the above limitation. This restriction is lifted and prediction becomes publicly available when a target earthquake occurs in the area of alarm, or when the alarm expires, independently of was it correct or wrong.