



## **Estimates of tsunami damage for Russian coast of the Black Sea**

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The historic database of tsunamis in the Black Sea contains 20 – 30 events with different level of validity, and at least six events occurred in 20th century. Numerical modeling of the last historic events is performed in the framework of shallow-water theory with use of code NAMI-DANCE. The computed tide-gauge records in Russian coastal locations are in good agreement with instrumental data for the 1939 and 1966 tsunamis. The tsunami of the landslide origin occurred in Sochi in 1970 is modeled in the framework of the two-layer model realized in TUNAMI. Also, some hypothetical tsunamis generated in the open part of the Black Sea are computed and the distribution of the tsunami height along the Russian and Turkish coast is found. In particular, the tsunami amplification near Sochi is highest to compare with other coastal locations on the Russian coast of Black Sea.