

## **ECONOMIC LOSSES AND GEOECOLOGICAL PROBLEMS PRECASPIAN OIL-BEARING REGION**

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Precaspian region's petroleum and gas deposits are a basis of economy of many countries. But the world experience shows, that the researches on protection of an environment and ecology of Precaspian region are necessary for taking into account with increase of production of hidrocarbons. Basic reasons resulting to ecological risks and economic losses as: Change of the Caspian sea level; Change of the biovariety at approach and deviation of water; Possible - Ground subsidence, change of structure of superficial and underground drinking water, technogenic earthquake at increase of production hidrocarbons; For reduction of economic risk and solving problems considered: - Model of approach of the sea on land circuit of flooding of coastal zones and fertile grounds; - Model of deviation of water and circuit of opening of the sea bottom and occurrence of ground with sea salt; - Model of change of a biovariety and saltanation of water and ground at approach of sea water and sea bottom; - Model of a rating of a degree of an ecological status released sea bottom from water and comparison to a problem of Aral; Model of development of sites of sea bottom by the economic subjects. These models enable to estimate economic losses and forecast of ecological disasters at an irrational combination of production à hidrocerbons and protection of an environment in Precaspian region.