

## **New Jurassic oil and gas prospects on the Kara sea Arctic shelf**

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A significant part of the resource potential of Russia is located on the offshore part of the Kara Sea basin. The lower-middle Jurassic is one of the most complex object for hydrocarbon exploration. Present research is devoted to evaluate new prospects of oil and gas within Lower-Middle Jurassic sediments in the South Kara basin. This work based on the analytical geochemical and petrophysical studies of the main source rocks and reservoirs. Geological reconstructions and erosian processes were estimated and all the results were used for 3D basin modeling.