

Sea ice monitoring of the Northern Sea Route using satellite radar technology

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Northern Sea Route

the shortest waterway
between the European part
of Russia and the Far East



Reliable Information about the Ice Conditions



Remote Sensing

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graph TD; A[Remote Sensing] --> B[optical-electronic systems]; A --> C[radar systems];
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optical-electronic systems

- shooting in the visible and infrared wavelength electromagnetic waves

radar systems

- shooting in the centimeter radio band

Radar Imagery

- **radio-waves penetrate through clouds**
- **radar images are weather and cloud independent**



Thank you for attention