Nord Stream
The new gas supply route for Europe

**FACT SHEET**

# Nord Stream Environmental Monitoring by the Numbers

## Environmental Surveys Conducted During the Planning and Engineering Stages

- **100 million euros** = the investment in studies of the Baltic Sea prior to construction
- **40,000 kilometres** = area of the Baltic Sea seabed that has been geophysically surveyed prior to construction = circumference of the earth at the equator
- **2,500 square kilometres** = the area of the Baltic Sea seabed analysed since the start of the feasibility studies in 1997 = the area of Luxemburg
- **100** = the number of munitions removed from the seabed to ensure a safe routing
- **2,585 pages** = the scale of the Espoo Report informing about potential transboundary impacts
- **10** = the number of languages the Espoo Report was published in

## Environmental and Social Monitoring Programme

- **5 =** the number of national monitoring programmes conducted in parallel, results published in all Espoo countries in the form of an overall monitoring report
- **40 million euros** = total investment in environmental monitoring along the route until 2016.
- **22** = the number of companies involved in ongoing environmental monitoring
- **1,000** = the number of sampling locations along the route delivering monitoring results
- **16** = the amount of parameters (physical, chemical, biological & socio-economic) analysed

| | RU | FI | SE | DK | DE |
|---|---|---|---|---|---|
| **Physical and chemical environment** | | | | | |
| Water quality | + | +/+ | + | + | + |
| Seabed sediment | + | +/+ | + | + | +/+ |
| Hydrography and seabed topography | + | + | +/+ | +/+ | + |
| Onshore soil | + | | | | |
| Landscape and topography | + | | | | + |
| Air quality | + | | | | |
| Noise | + | + | | | + |
| **Biological environment** | | | | | |
| Fish | +/+ | | +/+ | +/+ | +/+ |
| Birds | +/+ | | | | +/+ |
| Marine mammals | + | | | | + |
| Benthic flora and fauna | + | +/+ | +/+ | +/+ | +/+ |
| Terrestial flora and fauna | + | | | | + |
| **Socioeconomic environment** | | | | | |
| Fisheries | | +/+ | +/+ | | |
| Cultural heritage | + | + | + | +/+ | + |
| **Monitoring and clearance of munitions** | | | | | |
| Conventional munitions | + | + | + | | + |
| Chemical munitions | | | | + | |

+ indicates monitoring activities during construction, +/+ indicates monitoring activities during construction and operation

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## Objectives of the Environmental and Social Monitoring Programme (ESMP)

- To verify that the pipeline is installed and operated in accordance with permit conditions.
- To verify that the pipeline construction does not cause impacts that were not anticipated or impacts that are greater than anticipated.
- To verify the findings of the national EIAs.
- To monitor the recovery of the environment after construction.
- To control and monitor that significant environmental disturbance will not be caused.
- To provide the basis for corrective action if necessary.

## Results of the ESMP

- The environmental monitoring carried out to date confirms that the environmental impact of the Nord Stream Pipelines is in line with or below the values assessed in the EIAs.
- In some cases, the prior assessments have proven conservative, i.e. the impact has been less than anticipated.
- The results of the ESMP are made available on our website in different formats: The brochure "Supplying Gas to Europe while Protecting the Environment" offers comprehensive information about the scope of the monitoring programme and findings to date.
- The complete overall report for the monitoring programme for 2011, as well as all earlier reports and country-specific information can also be found online.

More information at www.nord-stream.com

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