

SOCIO-ECONOMIC ENVIRONMENT

CULTURAL HERITAGE

MARITIME TRAFFIC AND NAVIGATION

COMMERCIAL FISHERIES

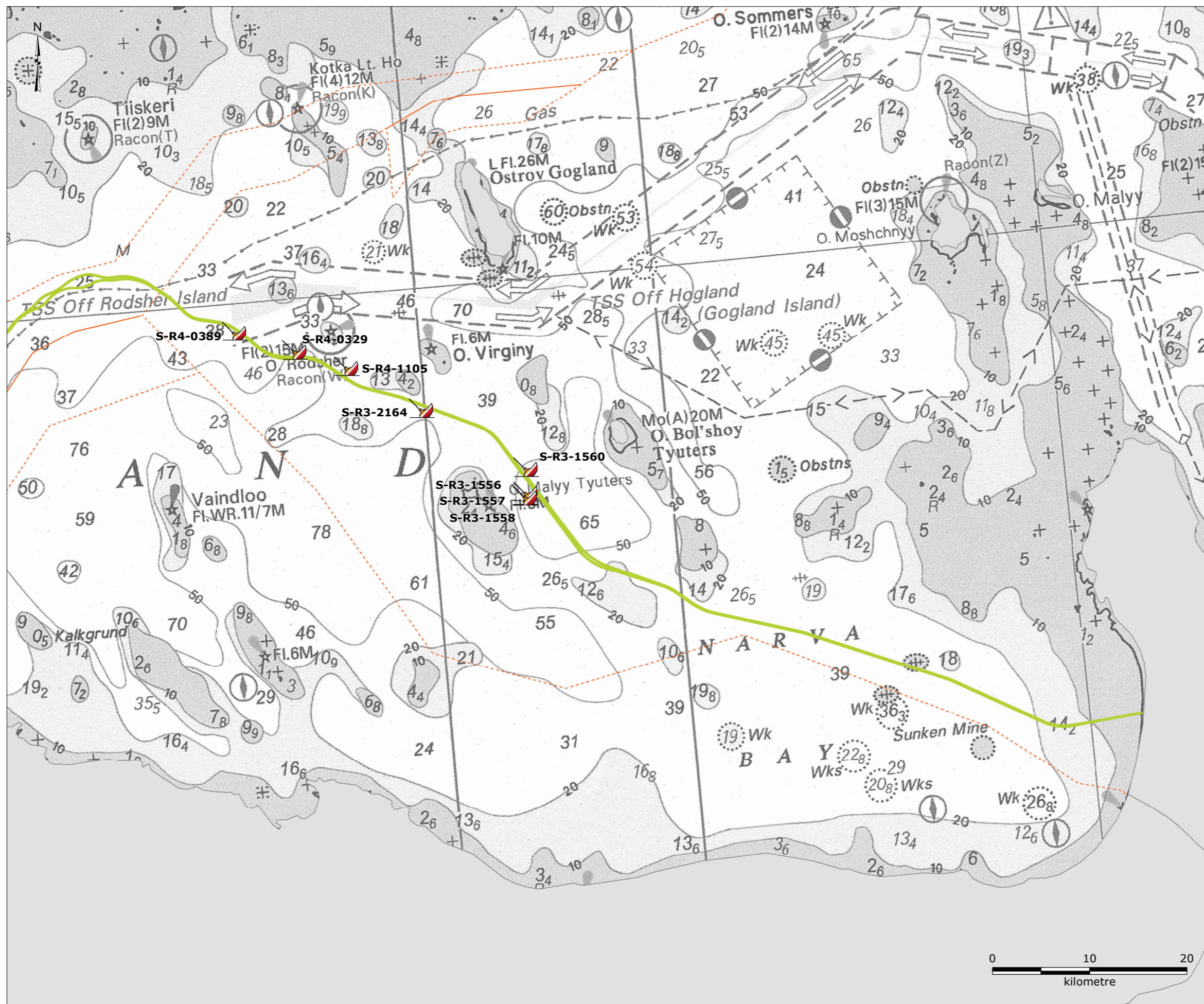
RAW MATERIAL EXTRACTION SITES

MILITARY PRACTISE AREAS

EXISTING AND PLANNED INFRASTRUCTURE

INTERNATIONAL/NATIONAL MONITORING STATIONS

CONVENTIONAL MUNITIONS AND CHEMICAL WARFARE AGENTS



Legend:

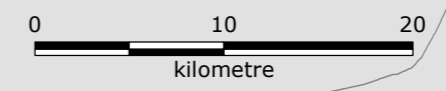
- NSP2 Route
- - - Territorial water border
- EEZ border
- Wrecks

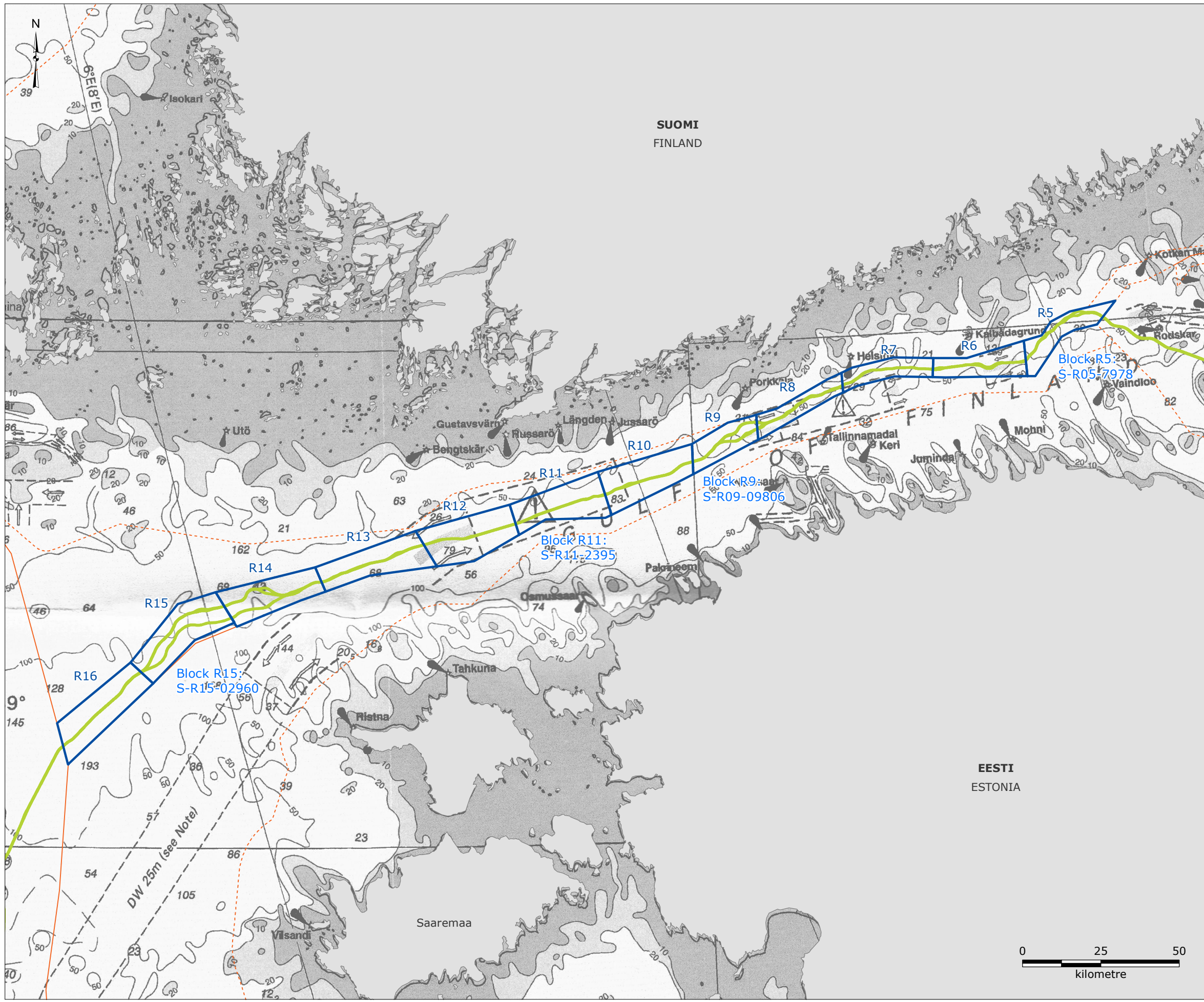
Reference:
 - Svarog, 2016, W-SU-REC-OFR-REP-807-ARCH02EN-01,
 "Technical report on expert analysis and historical and cultural
 attribution of discovered underwater objects in survey corridor of
 the Nord Stream 2 pipeline in Russian territorial sea",
 Nord Stream 2 AG

Version: 03
 Date: 2017-02-07
 Prepared: MSTB
 Controlled: DPEREIRA

CU-01-Espoo

Cultural heritage in Russia





Legend:

- NSP2 Route
- - - Territorial water border
- EEZ border
- Block border

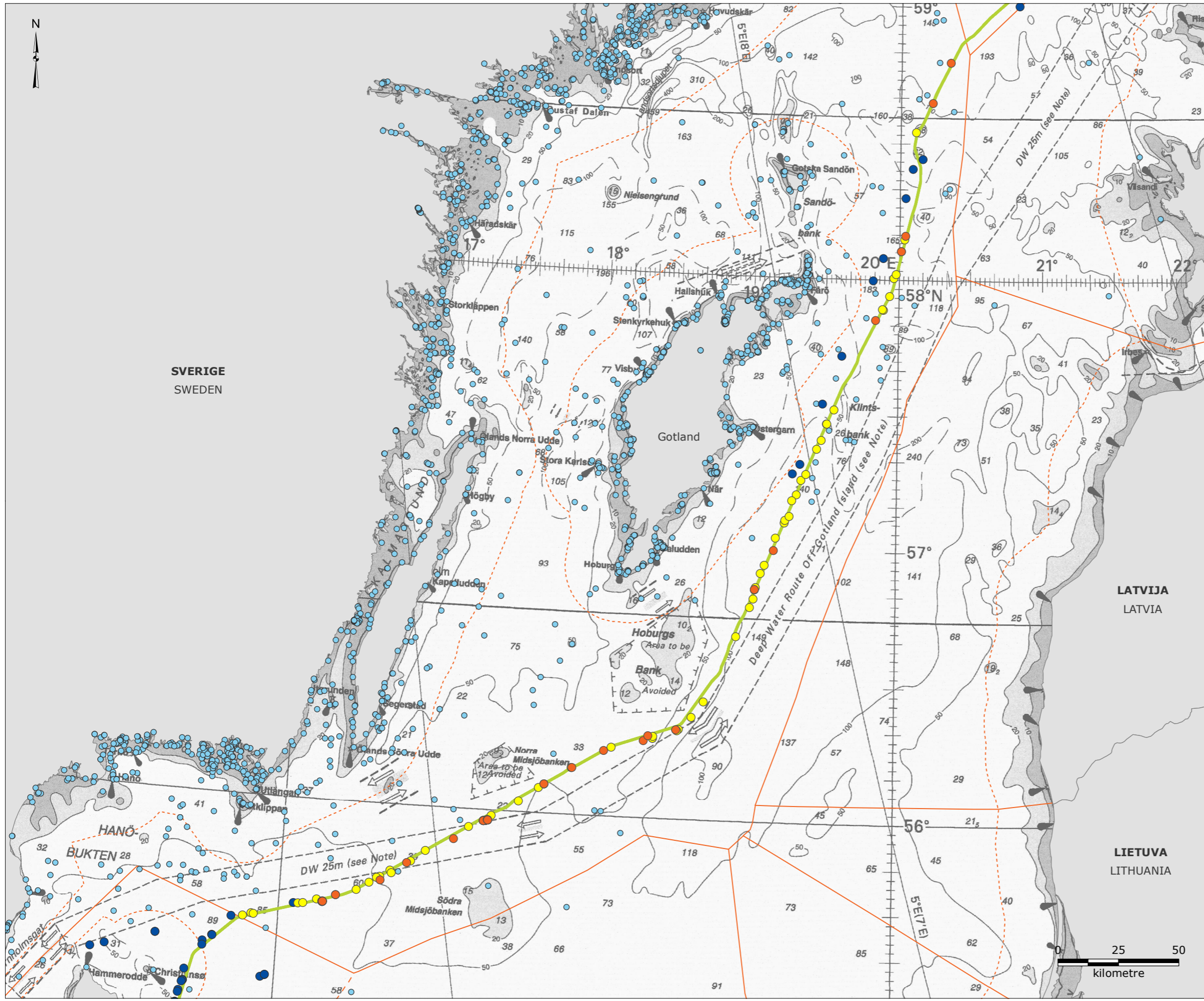
References:
 - Fugro Survey Limited, 2016,
 W-SU-REC-POF-REP-803-FIN000EN-01, "Geophysical Reconnaissance
 Surveys Reference Route, Baltic Sea", Nord Stream 2 AG

Version: 01
 Date: 2017-01-25
 Prepared: MIRS
 Controlled: DPEREIRA

CU-02-Espoo

Cultural heritage in Finland





- Legend:**
- NSP2 Route
 - - - Territorial water border
 - EEZ border
 - - - Midline between Denmark and Poland
 - Distinct wrecks from NSP2 investigations
 - Possible wrecks from NSP2 investigations
 - Identified ship wrecks from NSP investigations
 - Marine archeological objects from database of the Swedish National Heritage Board

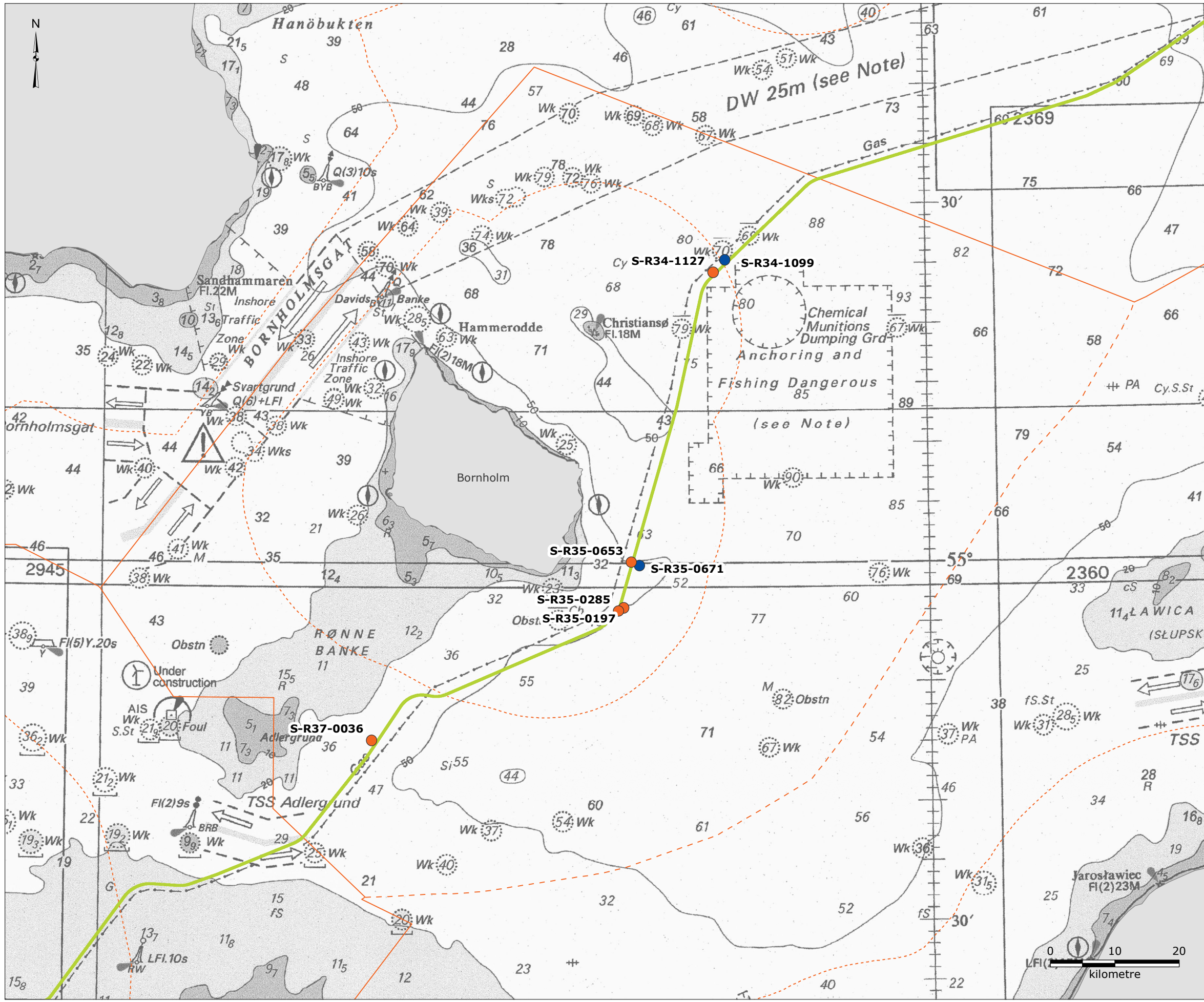
References:
 - Marine archeological objects: The Swedish National Heritage Board, <http://www.fmis.raa.se>. Data accessed: 2016-3-10
 - Maritime Museum, 2016, archaeological report

Version: 03
 Date: 2017-01-24
 Prepared: MSTB
 Controlled: DPEREIRA

CU-03-Espoo

Cultural heritage in Sweden





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - Identified possible ship wrecks from NSP2 investigations
 - Identified ship wrecks from NSP investigations

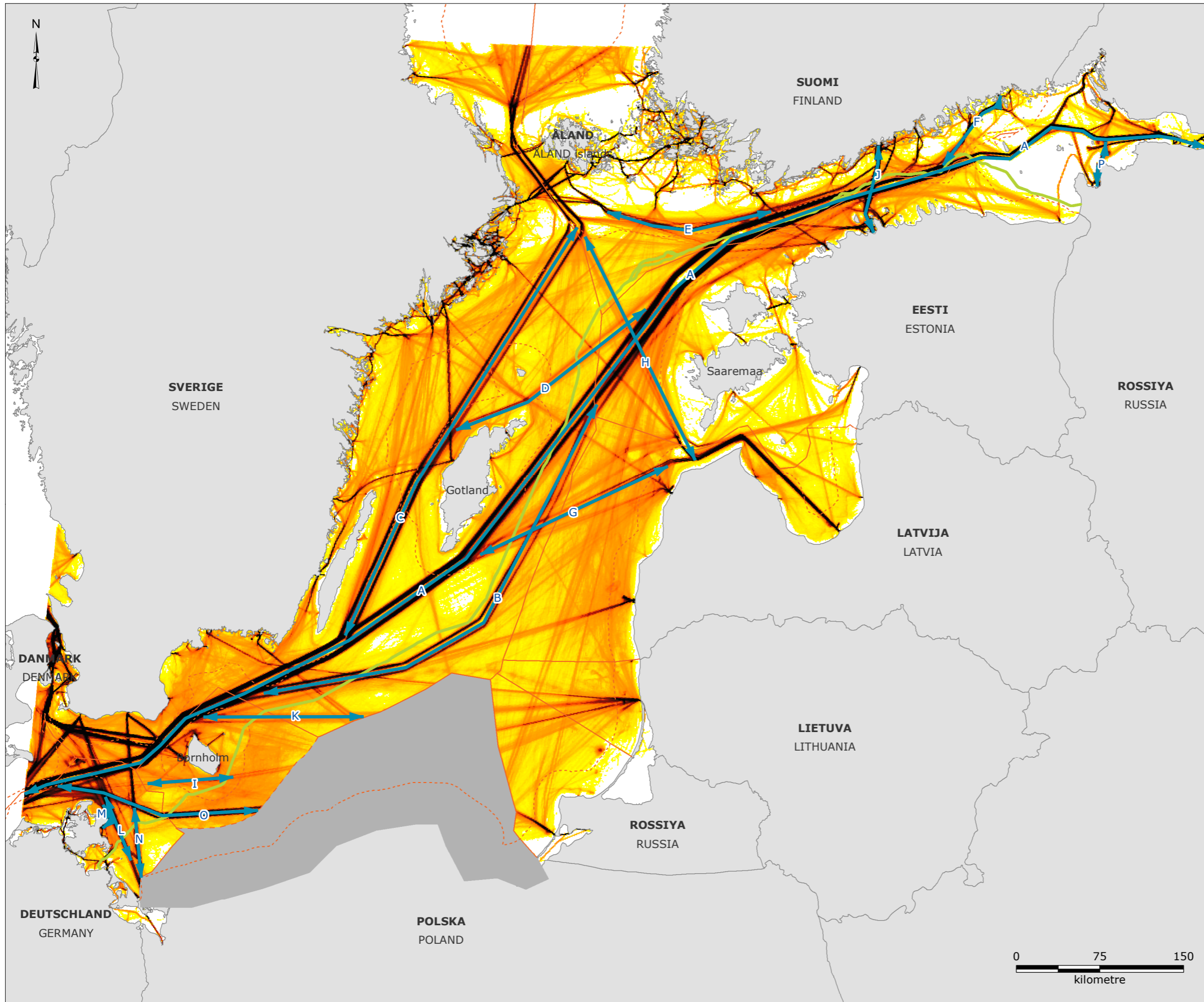
Note:
 - Potential ship wreck findings are from NSP2 investigations. Findings are to be verified further by the Viking Ship Museum and The Heritage Agency of Denmark.
Reference:
 - W-SU-REC-POF-REP-803-DEN000EN-01 Geophysical Reconnaissance surveys reference route, Country report Denmark

Version: 05
 Date: 2017-01-25
 Prepared: MIRS
 Controlled: DPEREIRA

CU-04-Espoo

Cultural heritage in Denmark





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- ↔ Primary ship traffic routes

Ship density (2014):

	0 - 1
	> 1 - 100
	> 100 - 500
	> 500 - 600
	> 600 - 1,000
	> 1,000 - 1,500
	> 1,500
	No data available (Poland)

Note:

- There is no permission from Poland to show AIS data
- Primary ship traffic routes in 2014
- Letters represent the name of the location where data was measured

Reference:

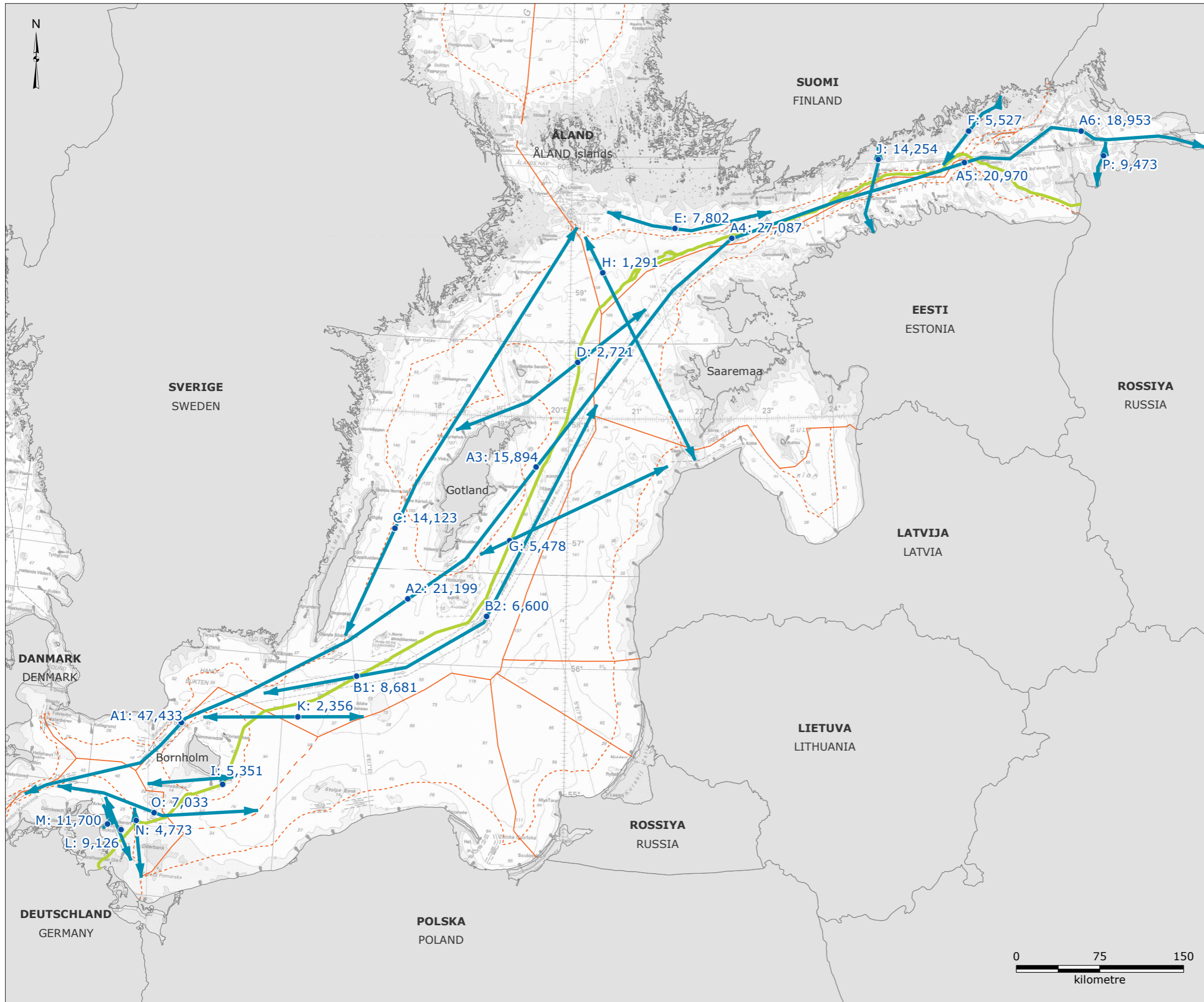
- The Danish Maritime Authority (DMA), 2014, Automatic Identification System (AIS) data 2014.

Version: 05
 Date: 2017-01-27
 Prepared: MIRS
 Controlled: DPEREIRA

SH-01-Espoo

Primary ship traffic routes





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - Primary ship traffic routes
 - Ship movements in 2014

Note:

- The labels show number of ship movements on primary ship traffic routes in 2014
- The letters and numbers represent the route, and location along the route, where the data was measured
- Ship statistics at certain points of interest are based on data concerning ships that cross a defined line on a shipping route. The lines are drawn approximately perpendicularly to the shipping route direction.

Reference:

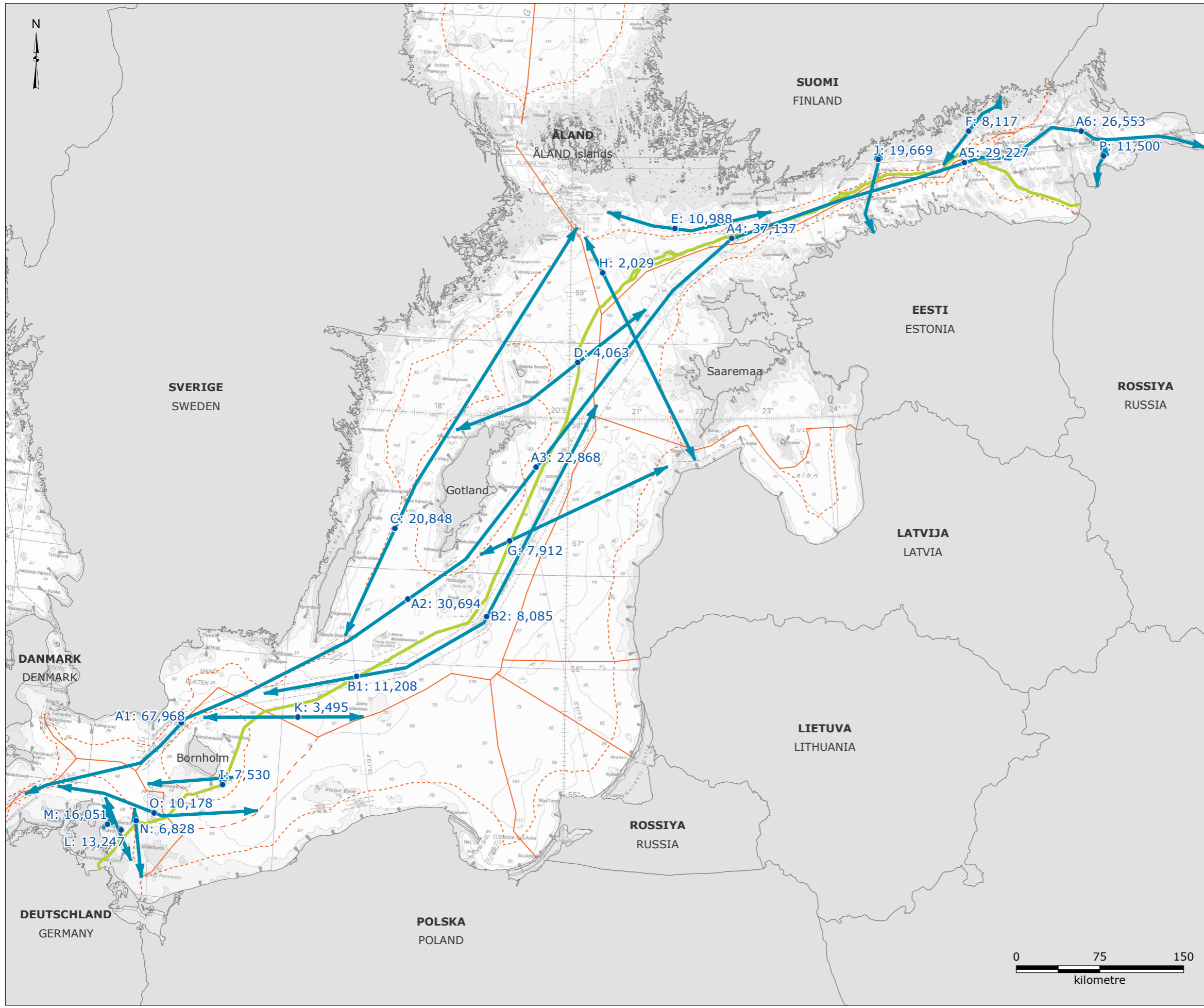
- The Danish Maritime Authority (DMA), 2014, Automatic Identification System (AIS) data 2014.

Version: 05
 Date: 2017-01-27
 Prepared: MIRS
 Controlled: DPEREIRA

SH-02-Espoo

Annual number of ship movements on primary ship traffic routes





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - Primary ship traffic routes
 - Ship movements in 2025

Note:

- The labels show estimated number of ship movements on primary ship traffic routes in 2025
- Letters represent the name of the location where data was measured
- Ship statistics at certain points of interest are based on data concerning ships that cross a defined line on a shipping route. The lines are drawn approximately perpendicularly to the shipping route direction.

Reference:

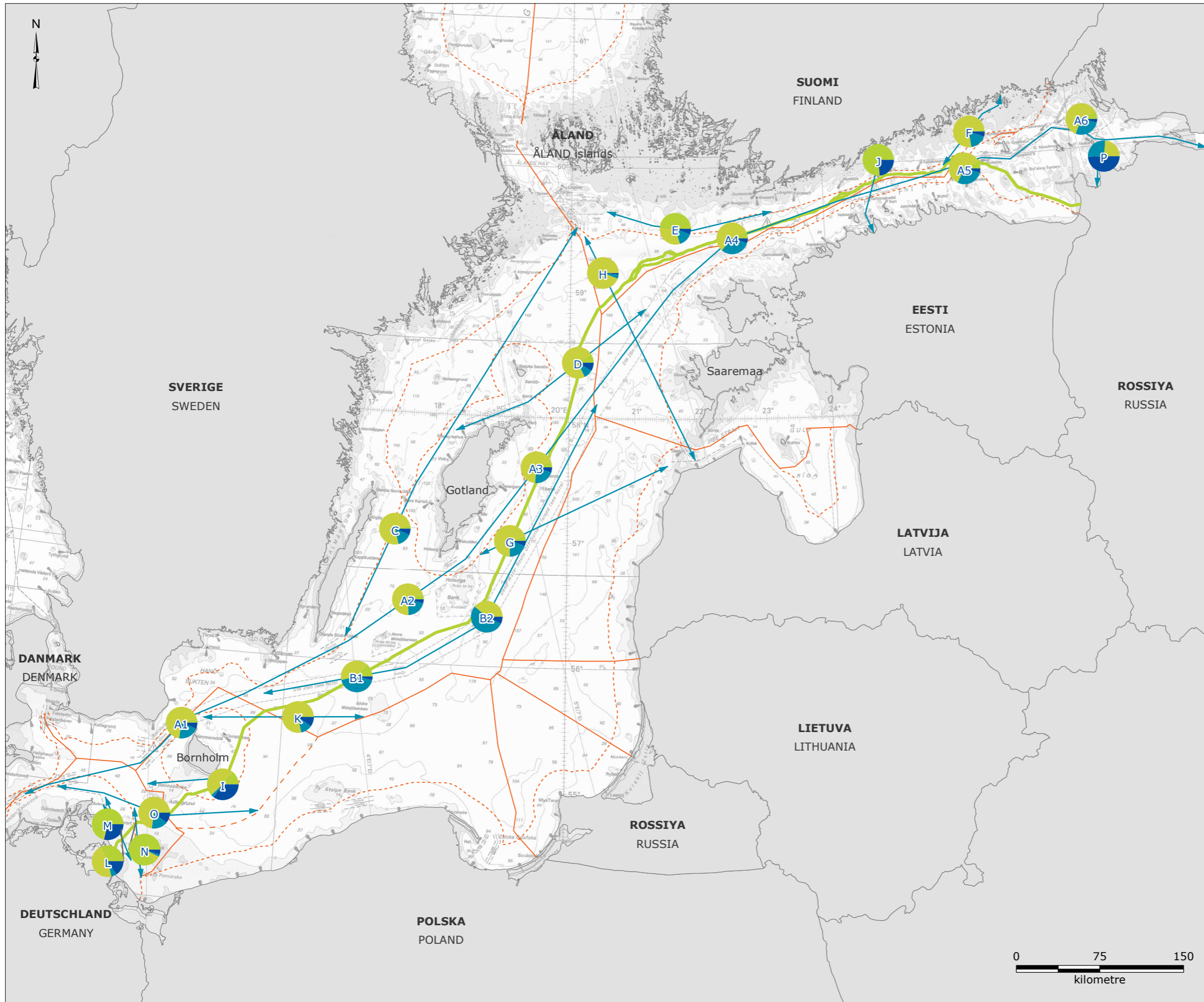
- The Danish Maritime Authority (DMA), 2014, Automatic Identification System (AIS) data 2014.

Version: 06
 Date: 2017-01-27
 Prepared: MIRS
 Controlled: DPEREIRA

SH-03-Espoo

Predicted annual number of ship movements on primary ship traffic routes





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - Primary ship traffic routes

Ship types:

- Passenger
- Cargo
- Tanker
- Other

Note:

- Distribution of ship types on primary ship traffic routes in 2014
- The letters and numbers represent the route, and location along the route, where the data was measured
- Ship statistics at certain points of interest are based on data concerning ships that cross a defined line on a shipping route. The lines are drawn approximately perpendicularly to the shipping route direction.

Reference:

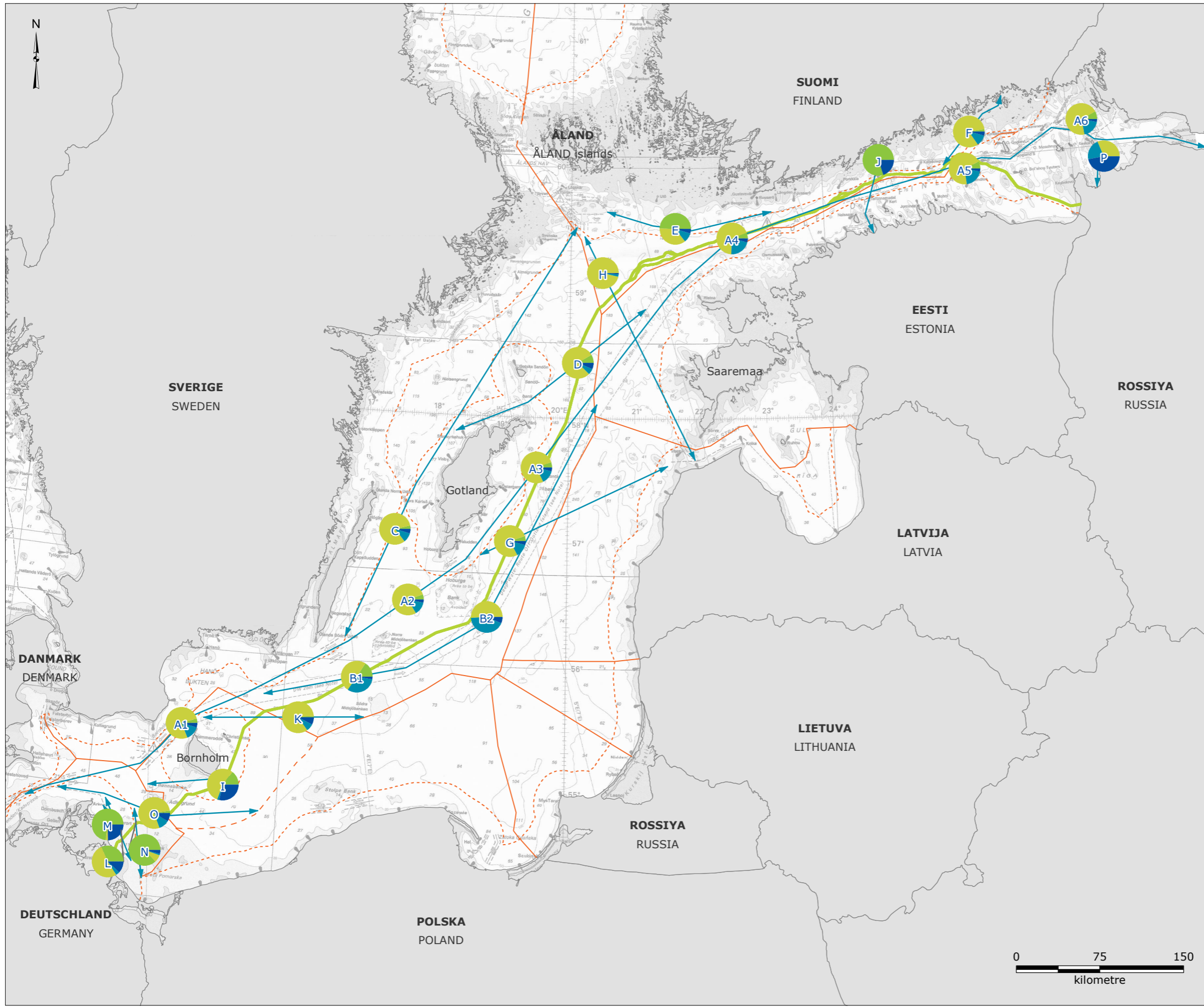
- The Danish Maritime Authority (DMA), 2014, Automatic Identification System (AIS) data 2014.

Version: 05
 Date: 2017-01-27
 Prepared: MIRS
 Controlled: DPEREIRA

SH-04-Espoo

Distribution of ship types on primary ship traffic routes





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - ↔ Primary ship traffic routes

- Ship types:**
- Passenger
 - Cargo
 - Tanker
 - Other

Note:

- Predicted distribution of ship types on primary ship traffic routes in 2025
- The letters and numbers represent the route, and location along the route, where the data was measured
- Ship statistics at certain points of interest are based on data concerning ships that cross a defined line on a shipping route. The lines are drawn approximately perpendicularly to the shipping route direction.

Reference:

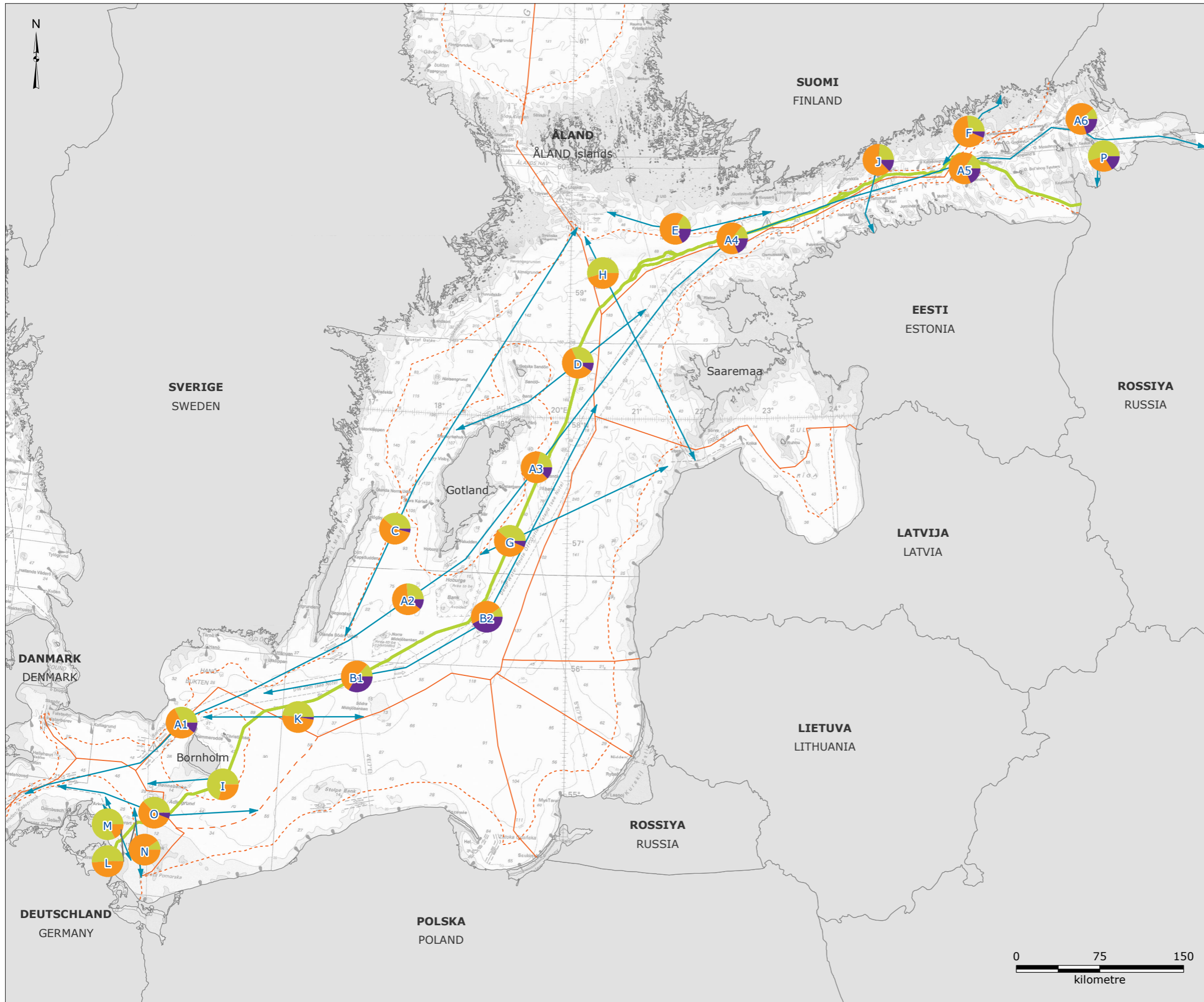
- The Danish Maritime Authority (DMA), 2014, Automatic Identification System (AIS) data 2014.

Version: 05
 Date: 2017-01-27
 Prepared: MIRS
 Controlled: DPEREIRA

SH-05-Espoo

Predicted distribution of ship types on primary ship traffic routes

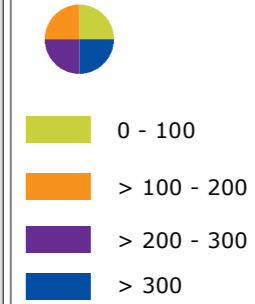




Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- Primary ship traffic routes

Ship lengths (m):



Note:
 - Distribution of ship length on primary ship traffic routes in 2014
 - The letters and numbers represent the route, and location along the route, where the data was measured.
 - Ship statistics at certain points of interest are based on data concerning ships that cross a defined line on a shipping route. The lines are drawn approximately perpendicularly to the shipping route direction.

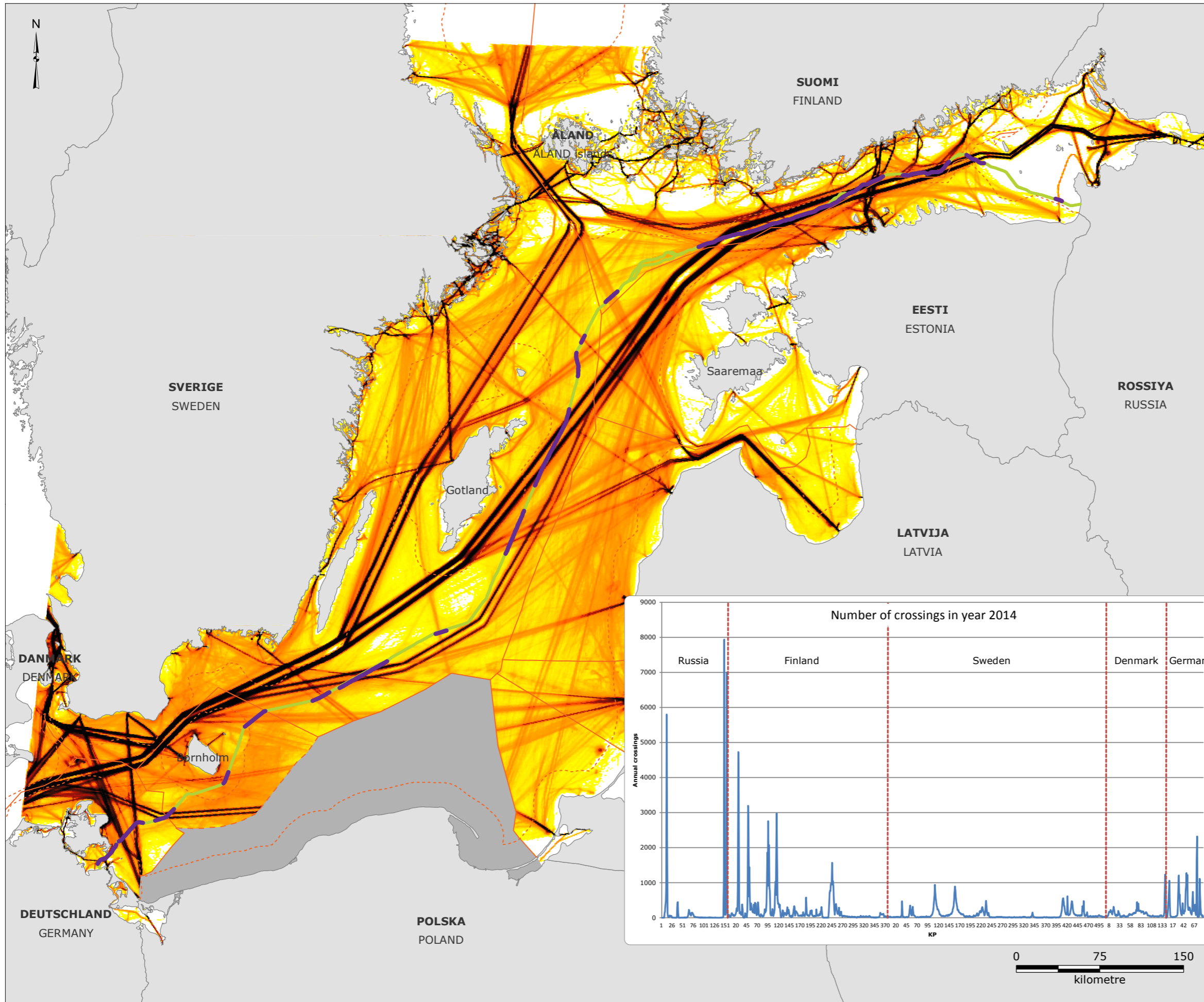
Reference:
 - The Danish Maritime Authority (DMA), 2014, Automatic Identification System (AIS) data 2014.

Version: 05
 Date: 2017-01-27
 Prepared: MIRS
 Controlled: DPEREIRA

SH-06-Espoo

Distribution of ship length on primary ship traffic routes



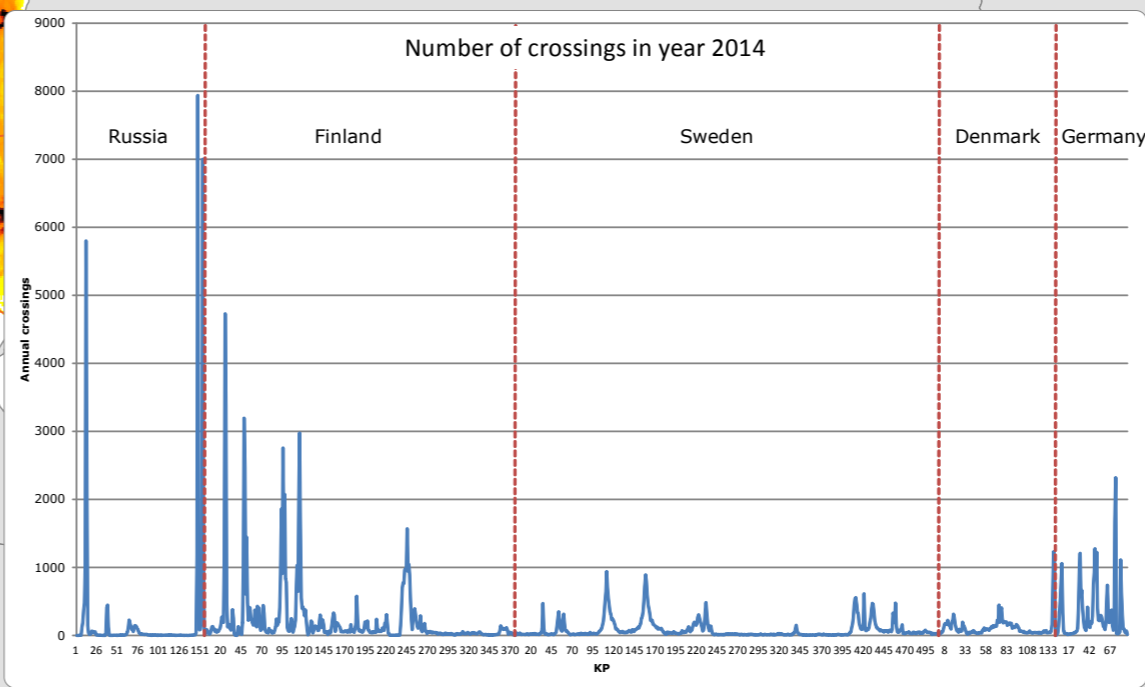


Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- Locations where primary sailing routes cross NSP2 pipelines

Ship density (2014):

	0 - 1
	> 1 - 100
	> 100 - 500
	> 500 - 600
	> 600 - 1,000
	> 1,000 - 1,500
	> 1,500
	No data available (Poland)



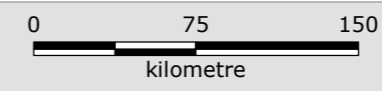
Note:
 - There is no permission from Poland to show AIS data

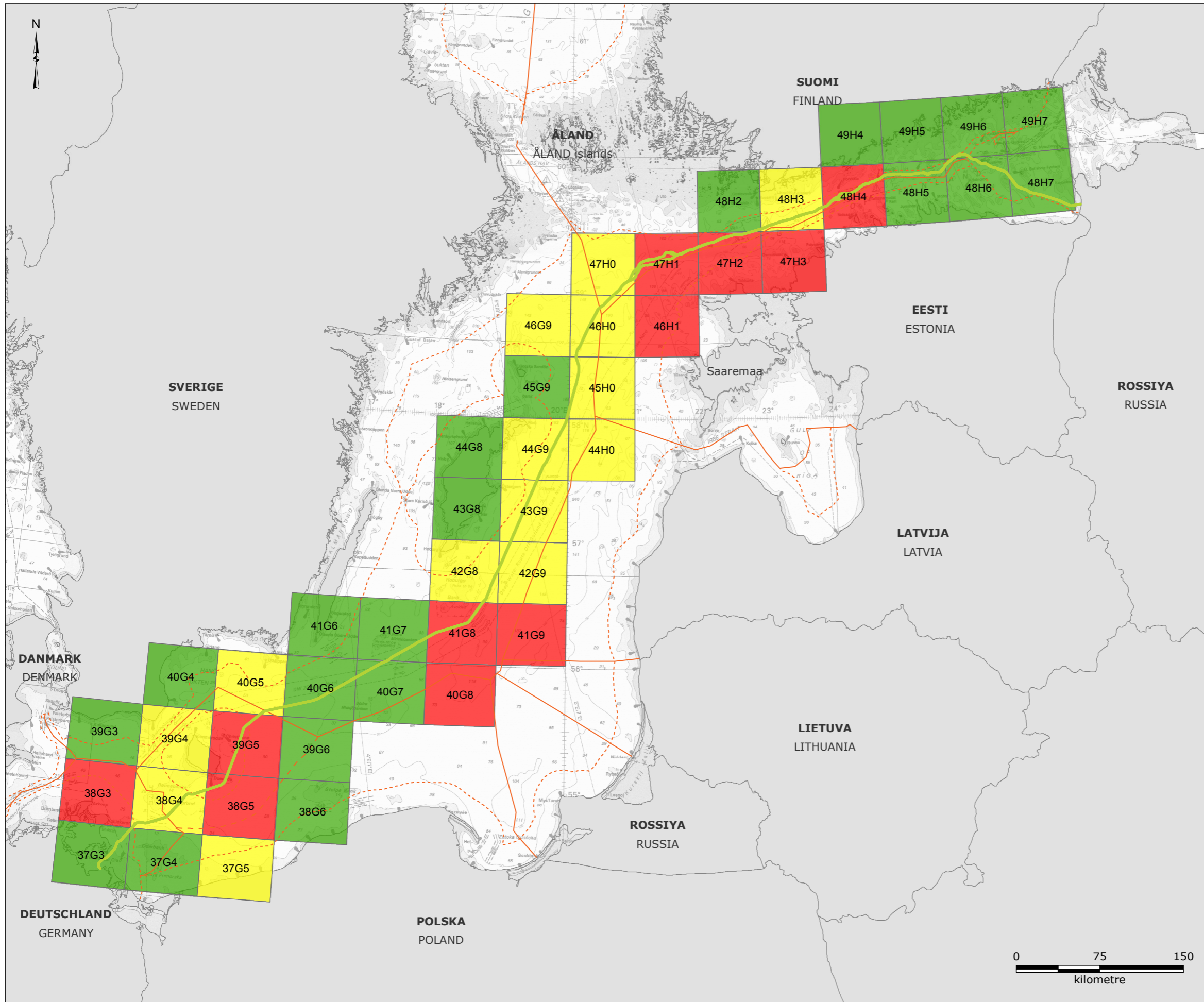
References:
 - The Danish Maritime Authority (DMA), 2014, Automatic Identification System (AIS) data 2014.
 - Ramboll, 2016, "Ship traffic background report", W-PE-EIA-POF-REP-805-060100EN, Ramboll, Denmark

Version: 07
 Date: 2017-01-27
 Prepared: MIRS
 Controlled: DPEREIRA

SH-07-Espoo

Locations where primary ship traffic routes cross the pipelines





Legend:

- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - ICES statistical rectangles
- Trawl mean catch in weight (tonnes) 2010-2014*:
- Less important trawl areas: < 5,000 tonnes
 - Important trawl areas: 5,000 - 8,000 tonnes
 - Very important trawl areas: > 8,000 tonnes

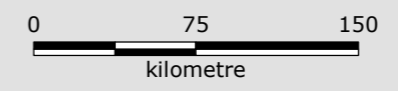
Note:
 - "Trawl" includes all types of trawling activities
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

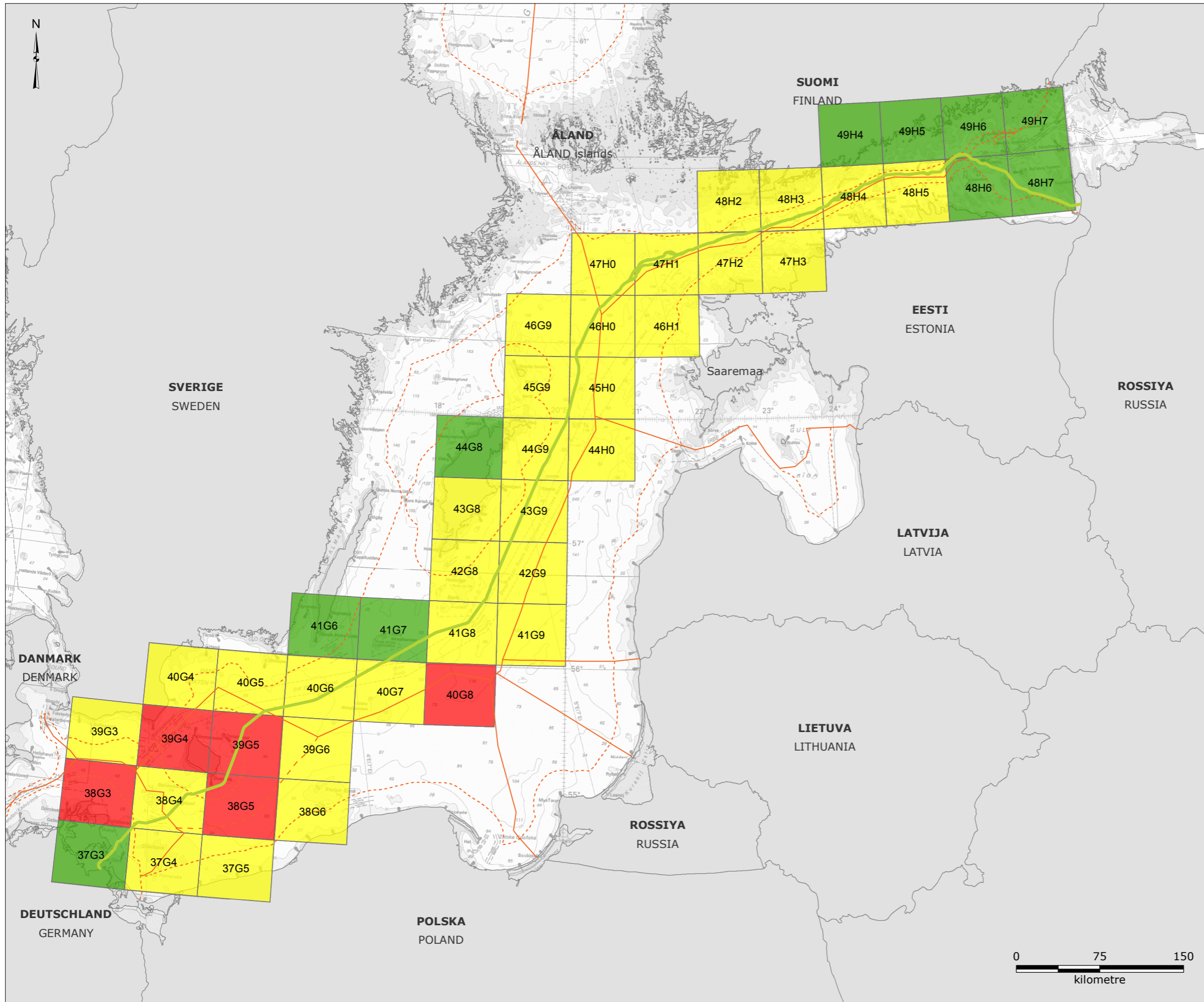
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 05
 Date: 2017-01-30
 Prepared: MSTB
 Controlled: JLA

FC-01-Espoo

Trawl importance based on mean weight of catches





Legend:

- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - ICES statistical rectangles
- Trawl mean value of catches (euro) 2010-2014*:
- Less important areas: < 500,000 euro
 - Important areas: 500,000 - 3,100,000 euro
 - Very important areas: > 3,100,000 euro

Note:
 - "Trawl" includes all types of trawling activities
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

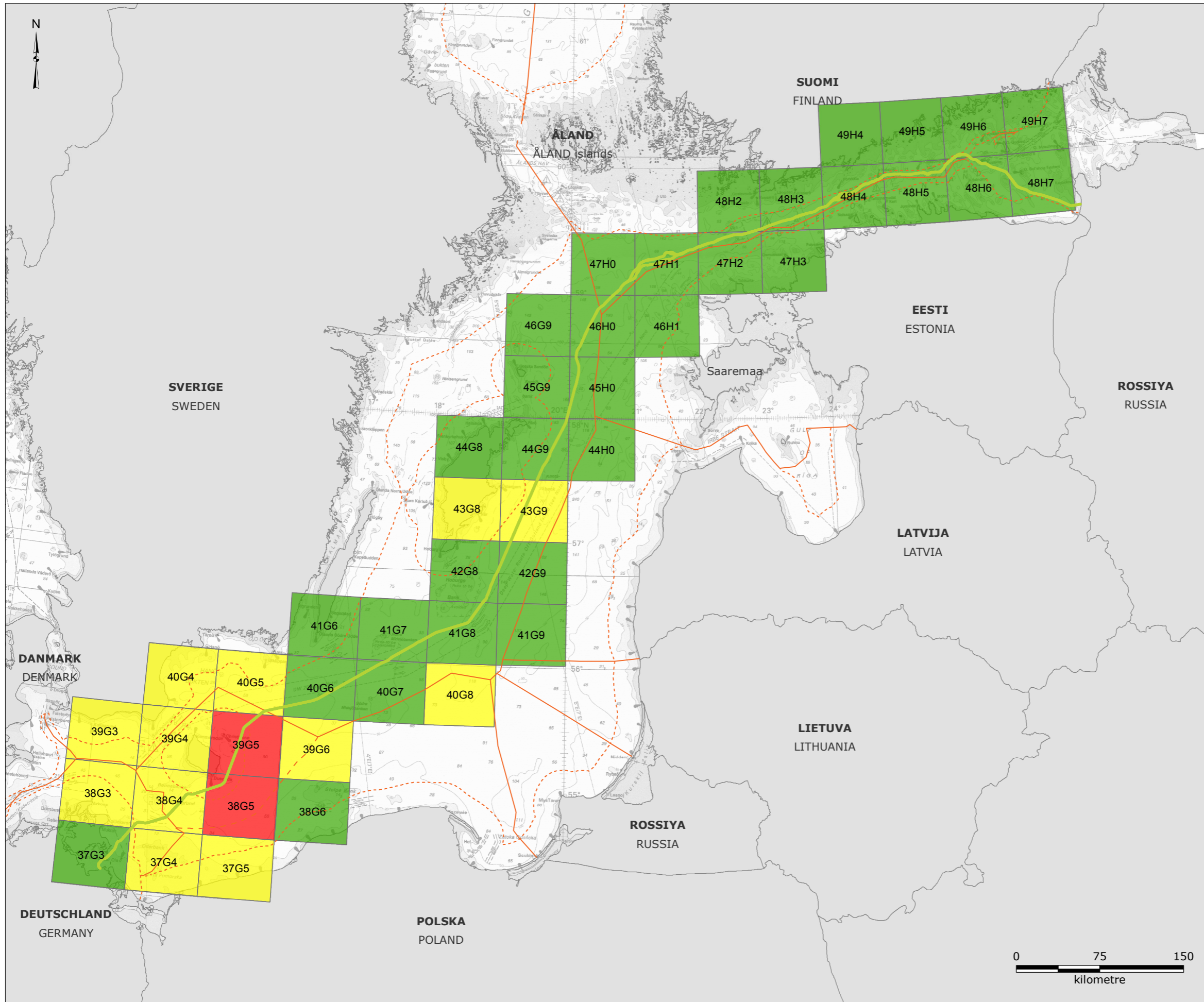
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 06
 Date: 2017-01-30
 Prepared: MSTB
 Controlled: JLA

FC-02-Espoo

Trawl importance based on mean value of catches





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- ICES statistical rectangles

Bottom trawl mean catch in weight (tonnes) 2010-2014*:

- Less important trawl areas: < 650 tonnes
- Important trawl areas: 650 - 3,500 tonnes
- Very important trawl areas: > 3,500 tonnes

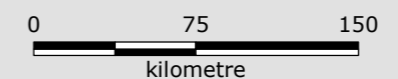
Note:
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

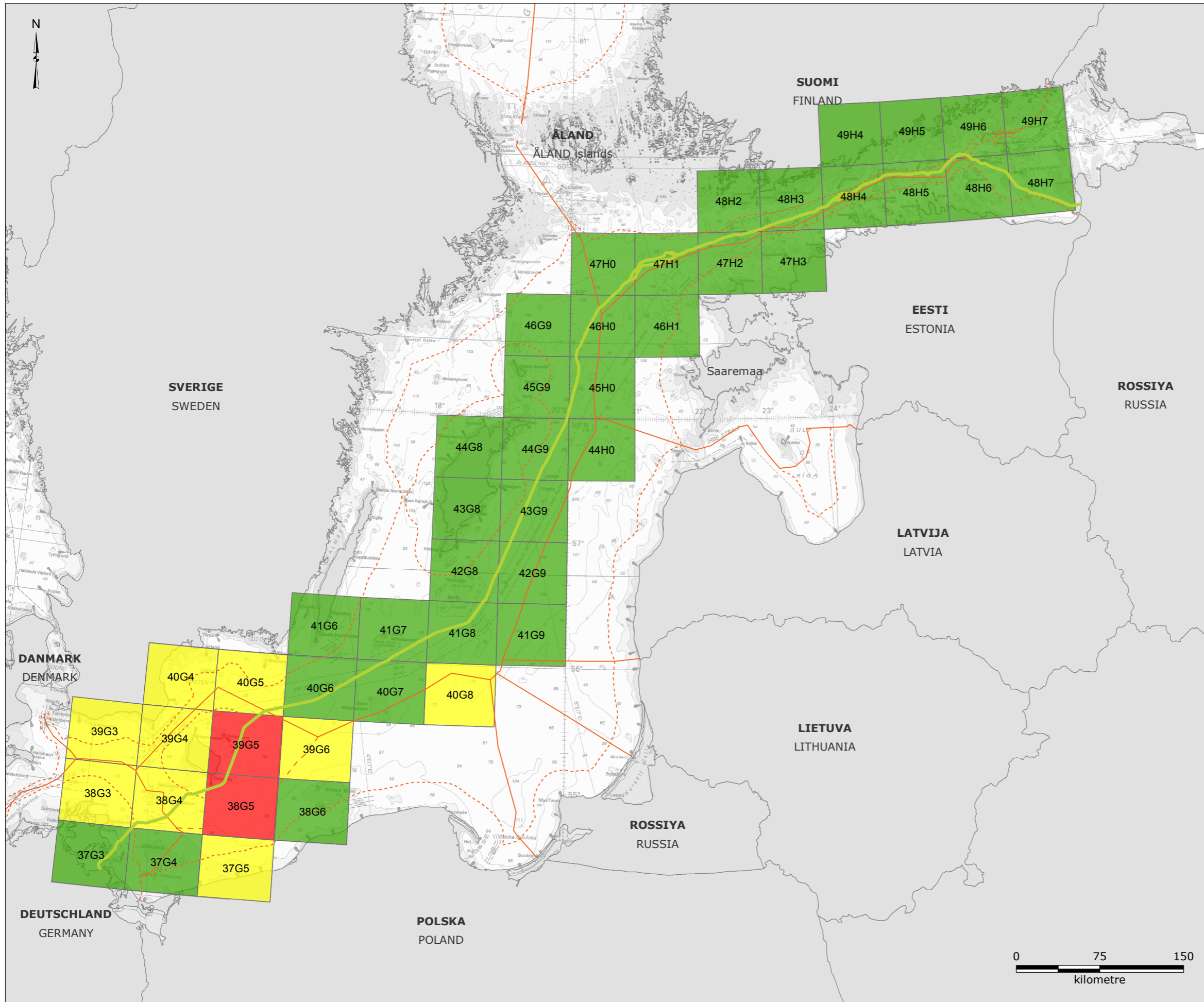
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 05
 Date: 2017-01-30
 Prepared: MSTB
 Controlled: JLA

FC-03-Espoo

Bottom trawl importance based on mean weight of catches





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - ICES statistical rectangles
- Bottom trawl mean catch in value (euro) 2010-2014*:
- Less important areas: < 800,000 euro
 - Important areas: 800,000 - 3,650,000 euro
 - Very important areas: > 3,650,000 euro

Note:
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

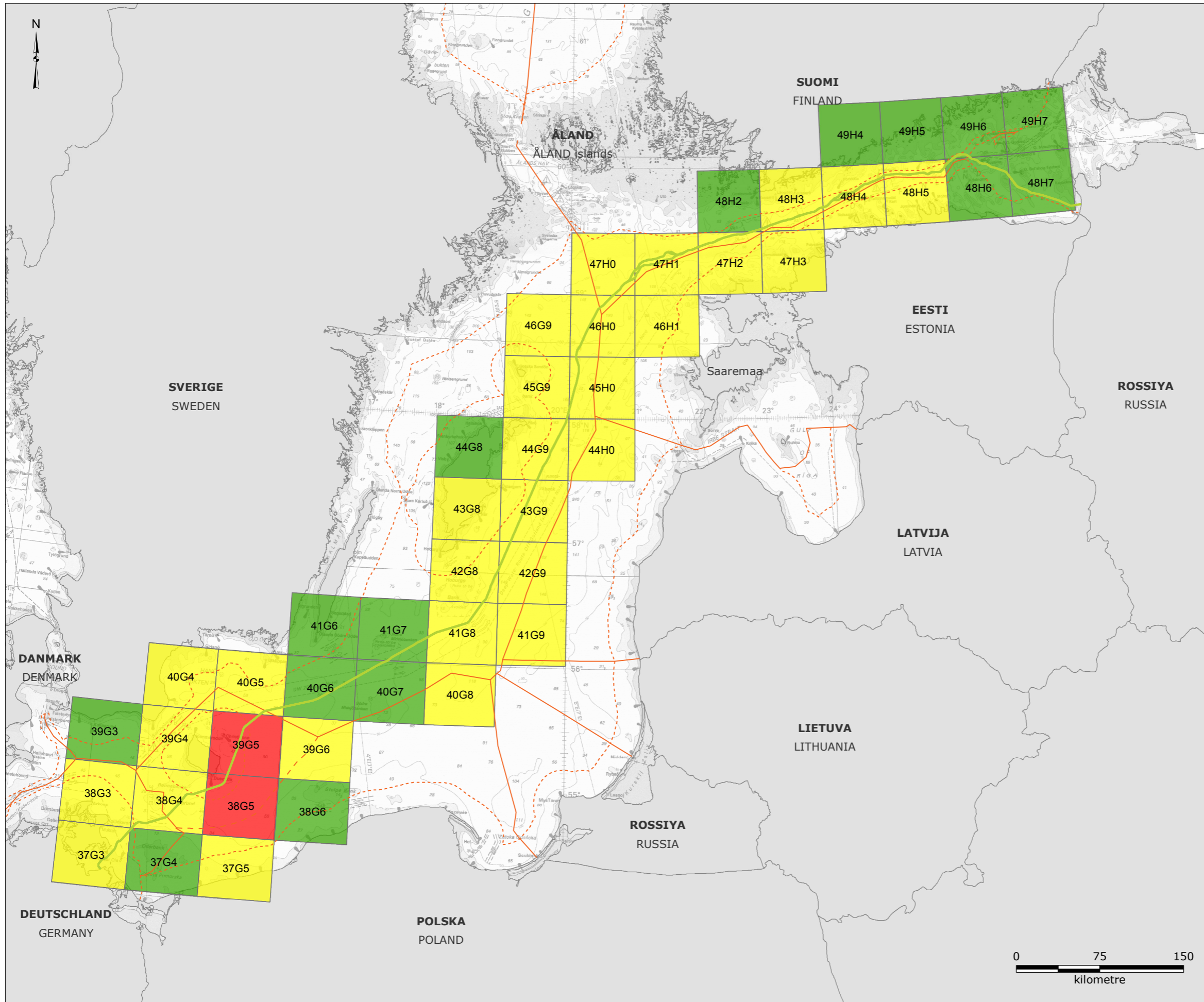
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 05
 Date: 2017-01-30
 Prepared: MSTB
 Controlled: JLA

FC-04-Espoo

Bottom trawl importance based on mean value of catches





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- ICES statistical rectangles

Total mean catch in weight (tonnes) 2010-2014*:

- Less important areas: < 4,000 tonnes
- Important areas: 4,000 - 15,000 tonnes
- Very important areas: > 15,000 tonnes

Note:
 - Importance based on mean weight of all types of catch methods
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

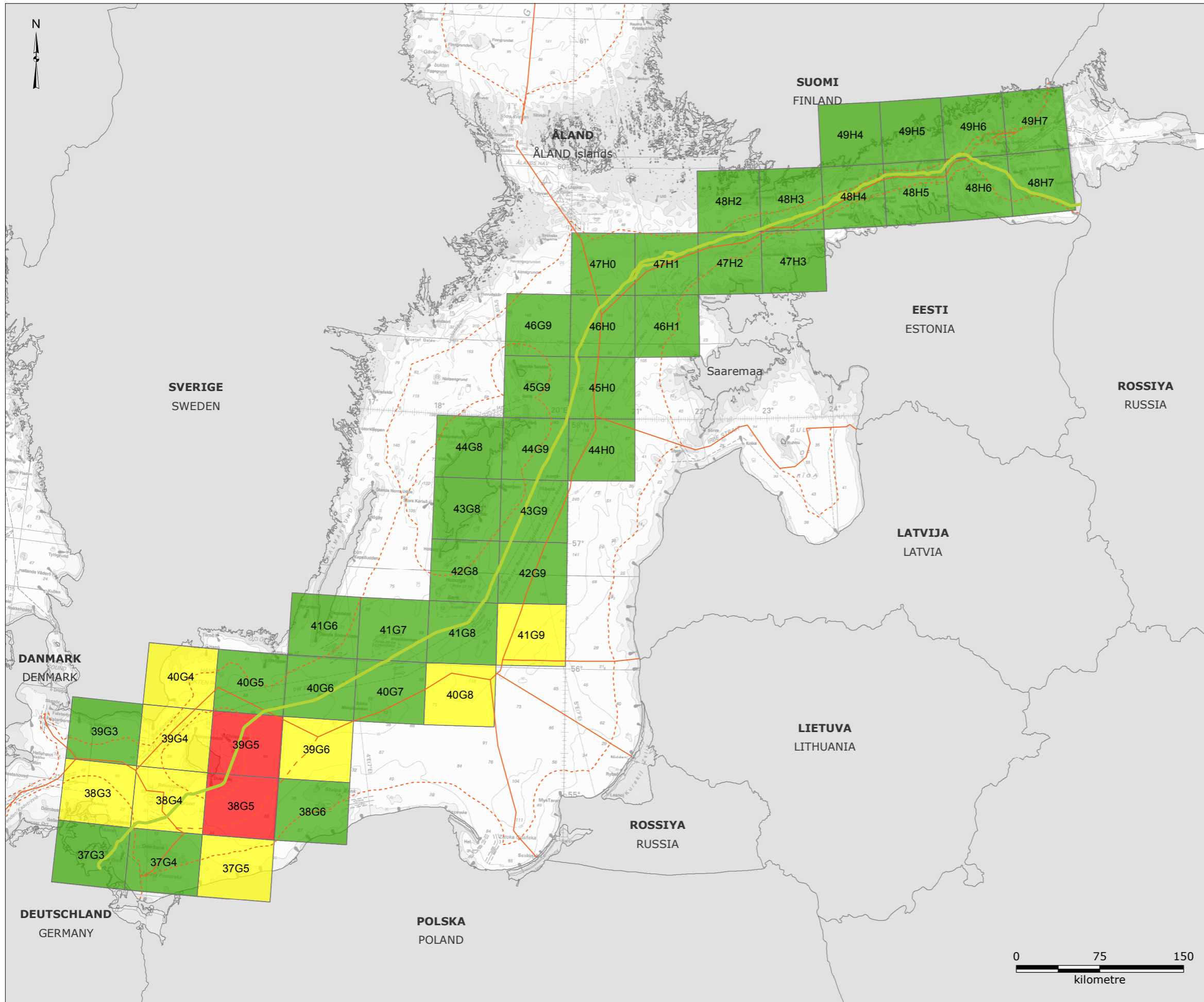
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 05
 Date: 2017-01-30
 Prepared: MSTB
 Controlled: JLA

FC-05-Espoo

Importance based on mean weight of catches





Legend:

- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - ICES statistical rectangles
- Total mean catch in value (euro) 2010-2014*:
- Less important areas: < 2,800,000 euro
 - Important areas: 2,800,000 - 6,500,000 euro
 - Very important areas: > 6,500,000 euro

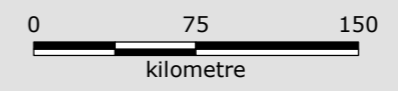
Note:
 - Importance based on mean value of all types of catch methods
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

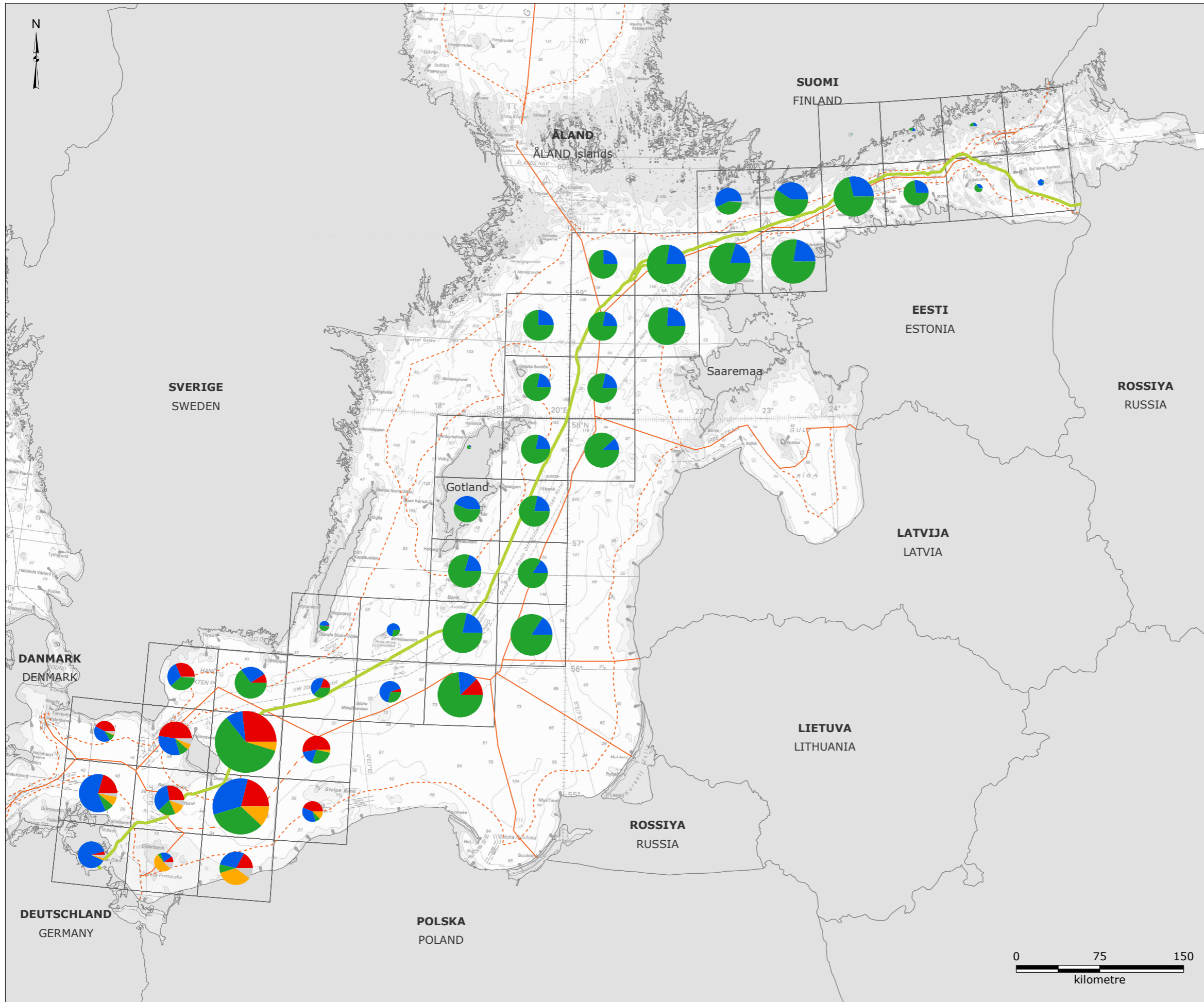
Reference:
 - Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 06
 Date: 2017-01-30
 Prepared: MSTB
 Controlled: JLA

FC-06-Espoo

Importance based on mean value of catches





Legend:

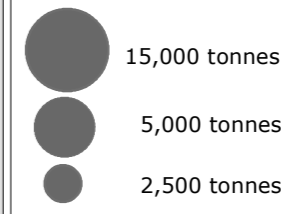
- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- ICES statistical rectangles

Mean catch by species in tonnes (2010-2014)*:



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to real values:



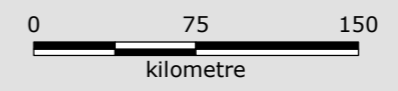
Note:
 - Mean weight of all types of catch methods of fish species
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

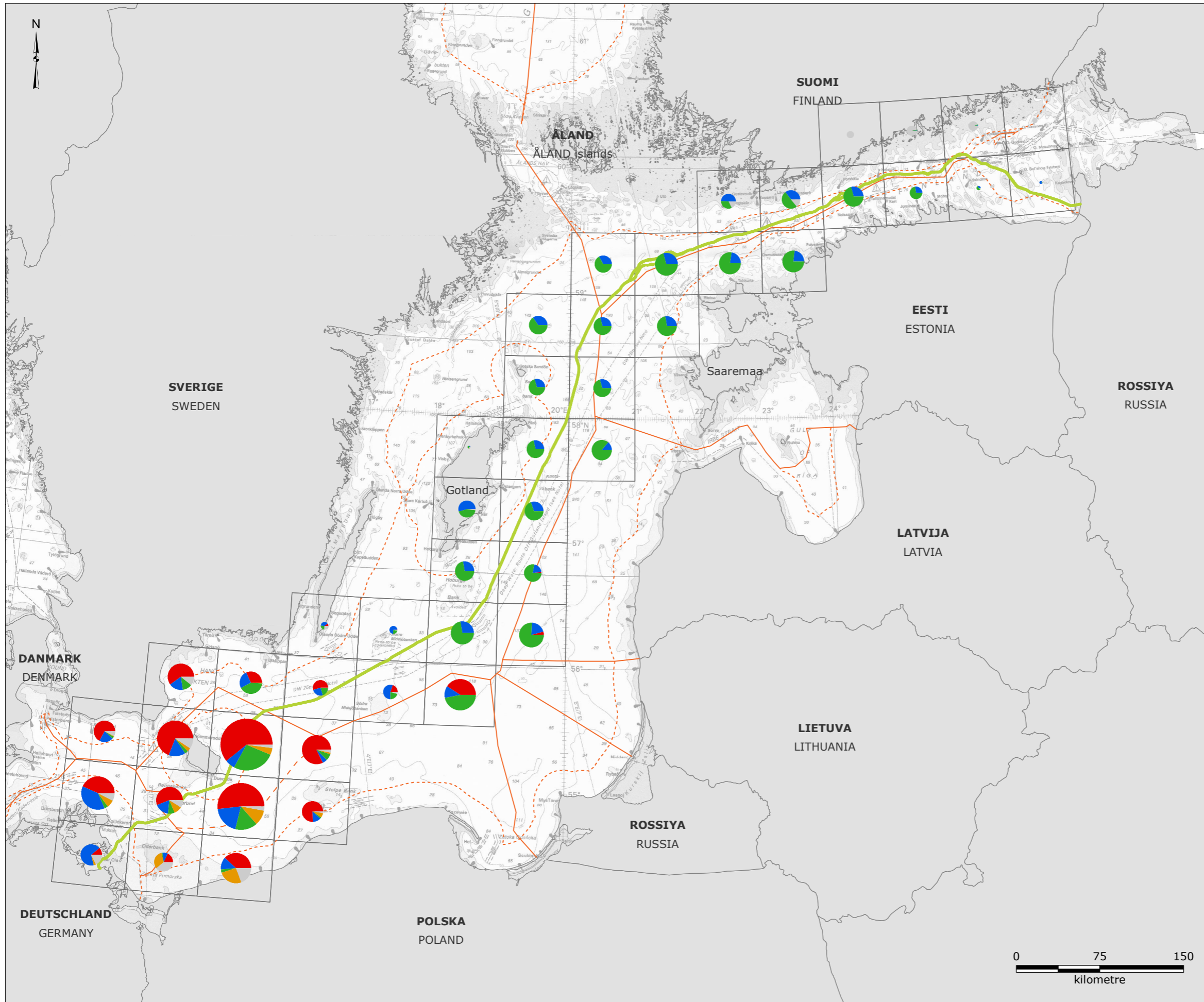
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 04
 Date: 2016-12-21
 Prepared: MSTB
 Controlled: JLA

FC-07-Espoo

Mean weight of catches of fish species





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- ICES statistical rectangles

Total mean catch by species in value (euro) 2010-2014*:



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to real values:

- 10,000,000 euro
- 5,000,000 euro
- 2,000,000 euro

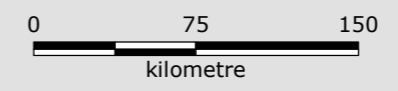
Note:
 - Mean value of all types of catch methods of fish species
 - Based on data for 2010-2014.
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

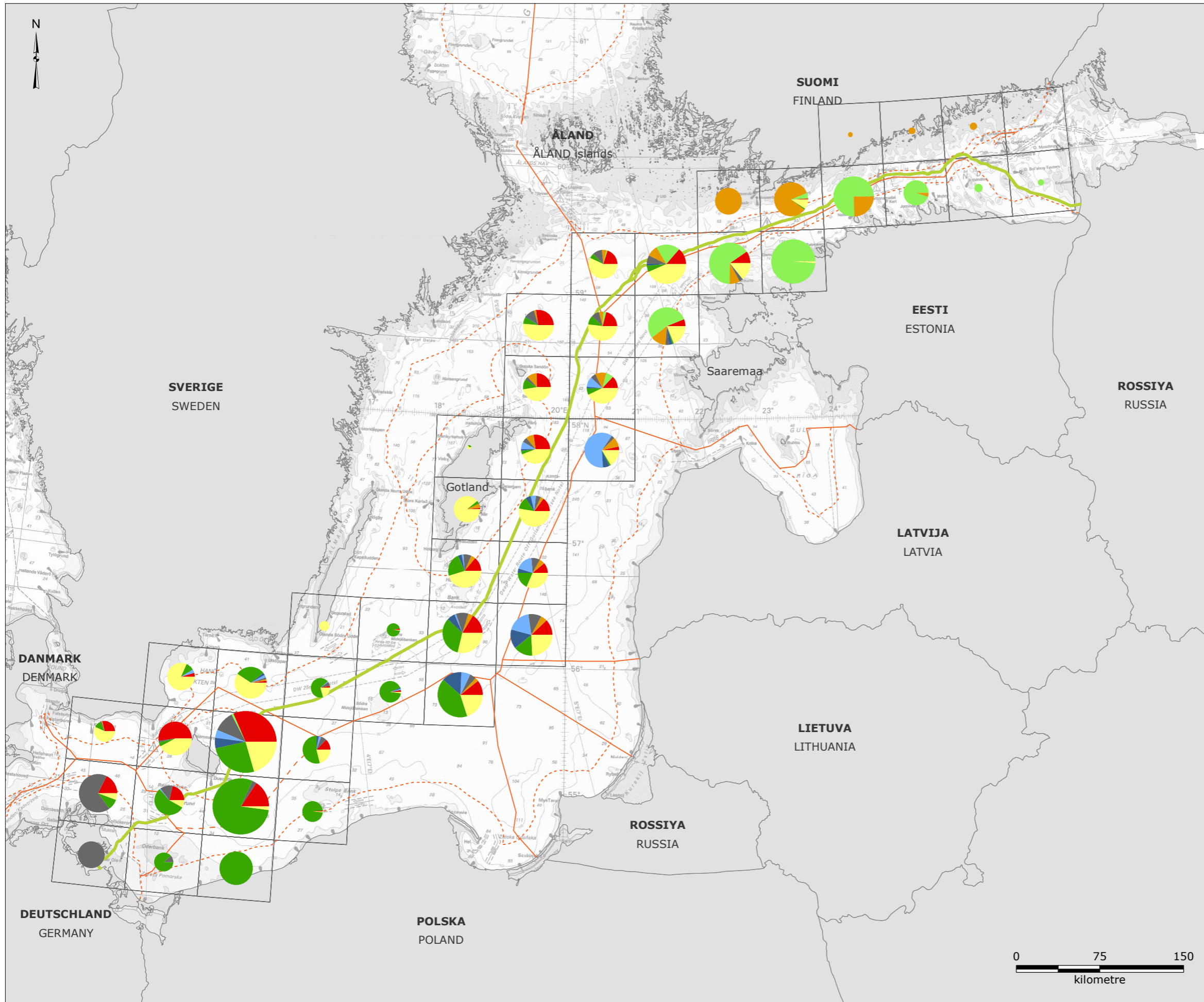
References:
 - Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 04
 Date: 2016-12-21
 Prepared: MSTB
 Controlled: JLA

FC-08-Espoo

Mean value of catches of fish species





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - ICES statistical rectangles

- Fishery mean catch (tonnes) 2010-2014*:
-
- Denmark
 - Estonia
 - Finland
 - Germany
 - Latvia
 - Lithuania
 - Poland
 - Sweden

- Pie areas scaled according to real values:
- 15,000 tonnes
 - 5,000 tonnes
 - 2,500 tonnes

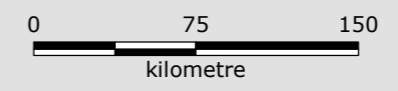
Note:
 - Based on data for 2010-2014
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares
 * Data provided from Poland for 2009-2013

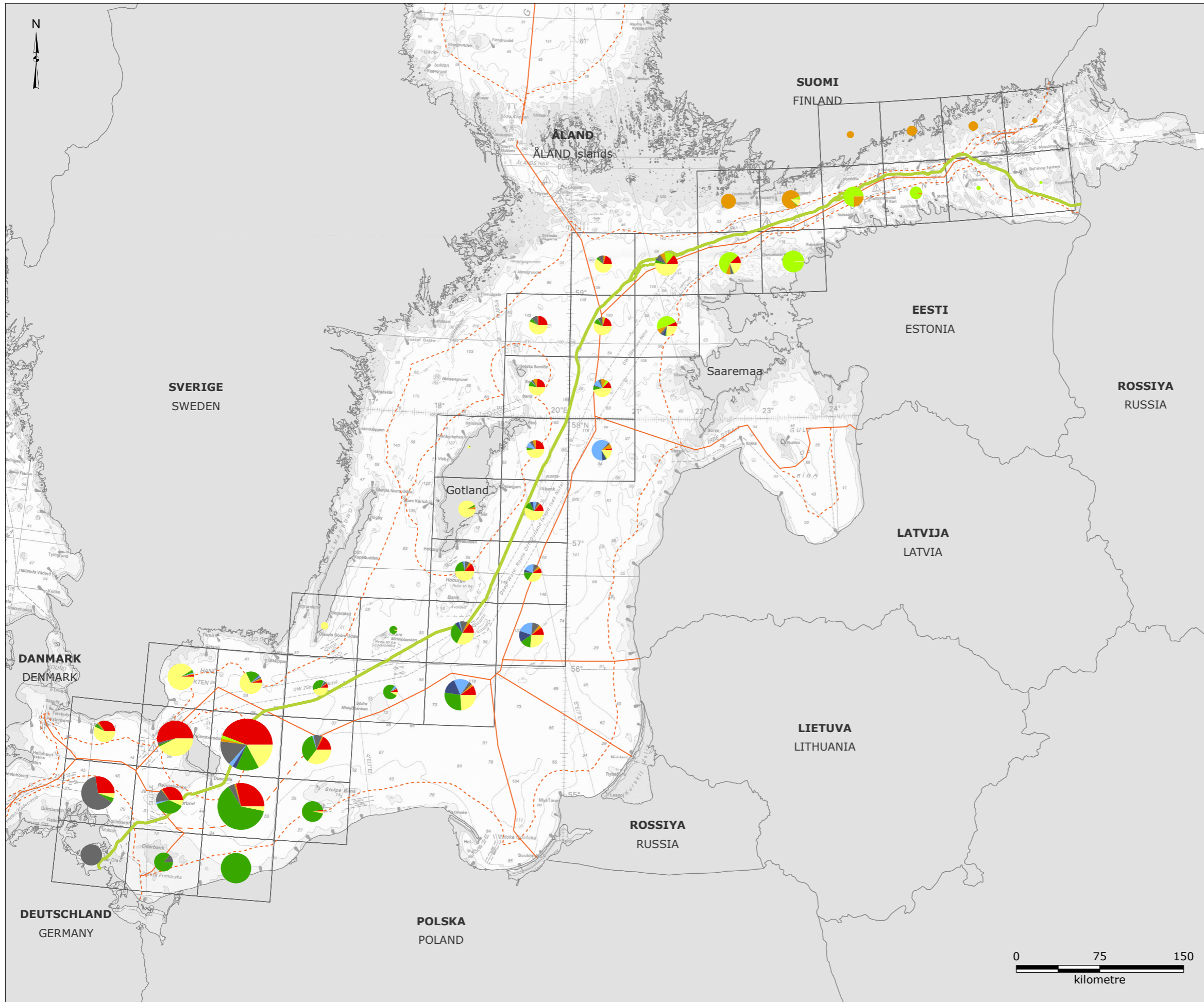
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 05
 Date: 2016-12-21
 Prepared: MSTB
 Controlled: JLA

FC-09-Espoo

Mean weight of catches by country





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland
- ICES statistical rectangles

Fishery mean value (euro)*:



- Denmark
- Estonia
- Finland
- Germany
- Latvia
- Lithuania
- Poland
- Sweden

Pie areas scaled according to real values:

- 10,000,000 euro
- 5,000,000 euro
- 2,000,000 euro

Note:
 - Based on data for 2010-2014
 * Data provided from Poland for 2009-2013
 - No results for Russia as Russia does not make inventory of fish catches in ICES sub-squares

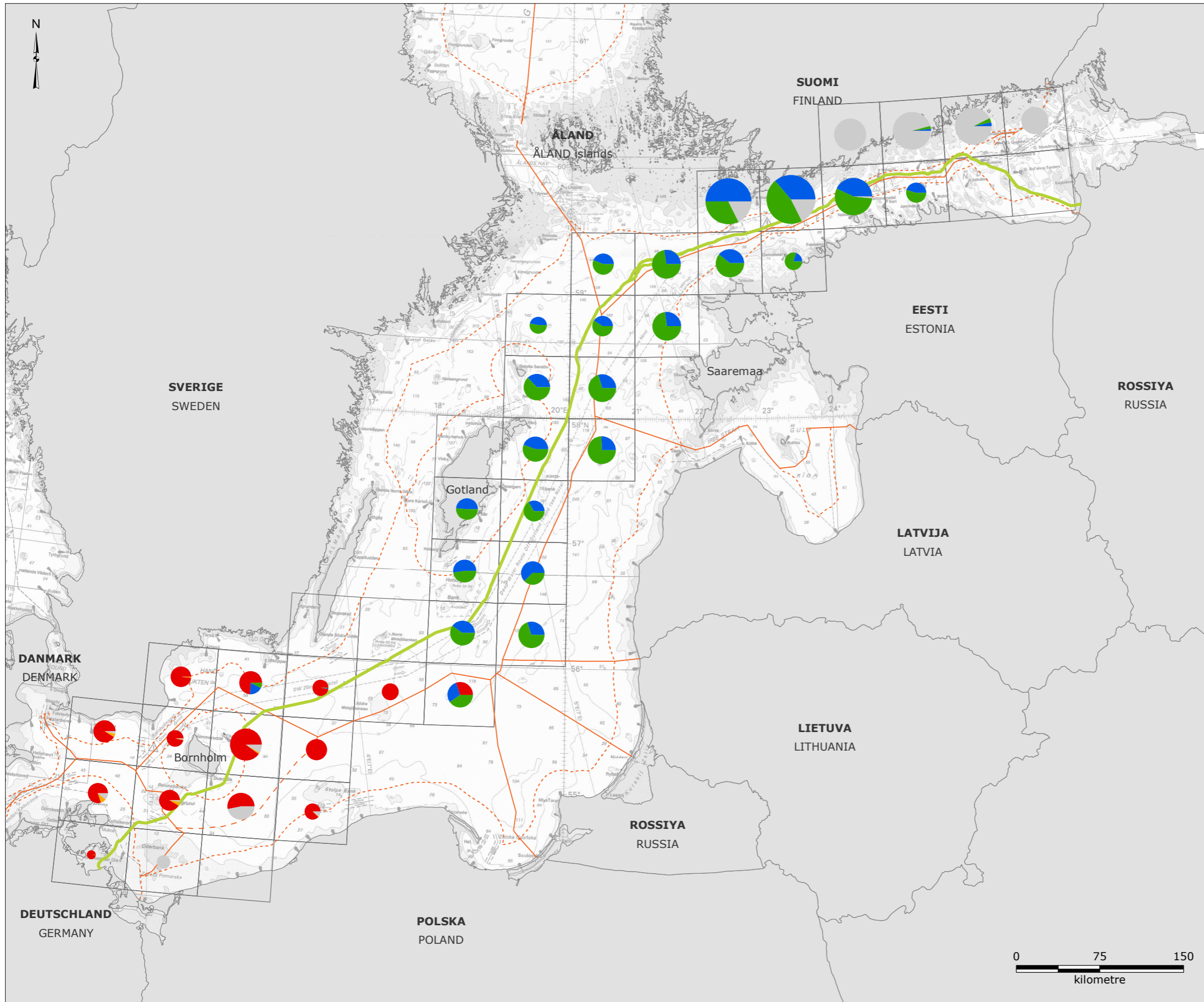
Reference:
 - Orbicon, 2016, "Nord Stream 2 - Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 04
 Date: 2016-12-21
 Prepared: MSTB
 Controlled: JLA

FC-10-Espoo

Mean value of catches by country





Legend:

- NSP2 Route
- - - Territorial water border
- EEZ border
- - - Midline between Denmark and Poland

Fishery mean value (euro):

-
- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

-
 900,000 euro
 -
 245,000 euro
 -
 55,000 euro

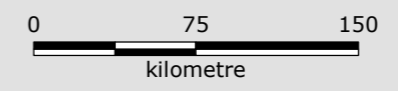
Note:
- Based on data for 2010-2014

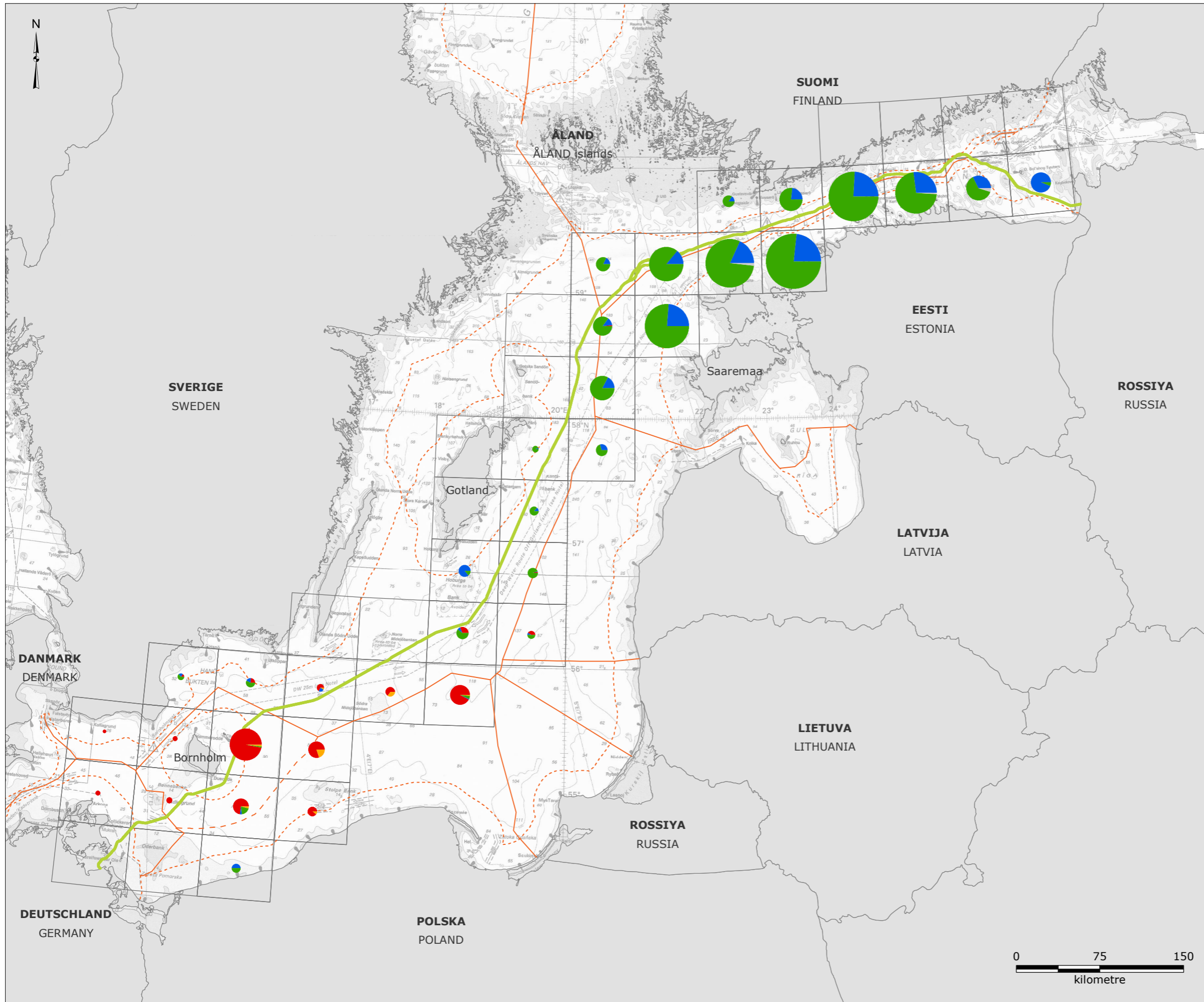
Reference:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 04
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-11-Espoo

Mean value of catches according to species by Finland





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishery mean value (euro):

- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

- 900,000 euro
- 245,000 euro
- 55,000 euro

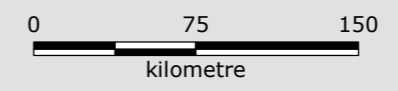
Note:
- Based on data for 2010-2014

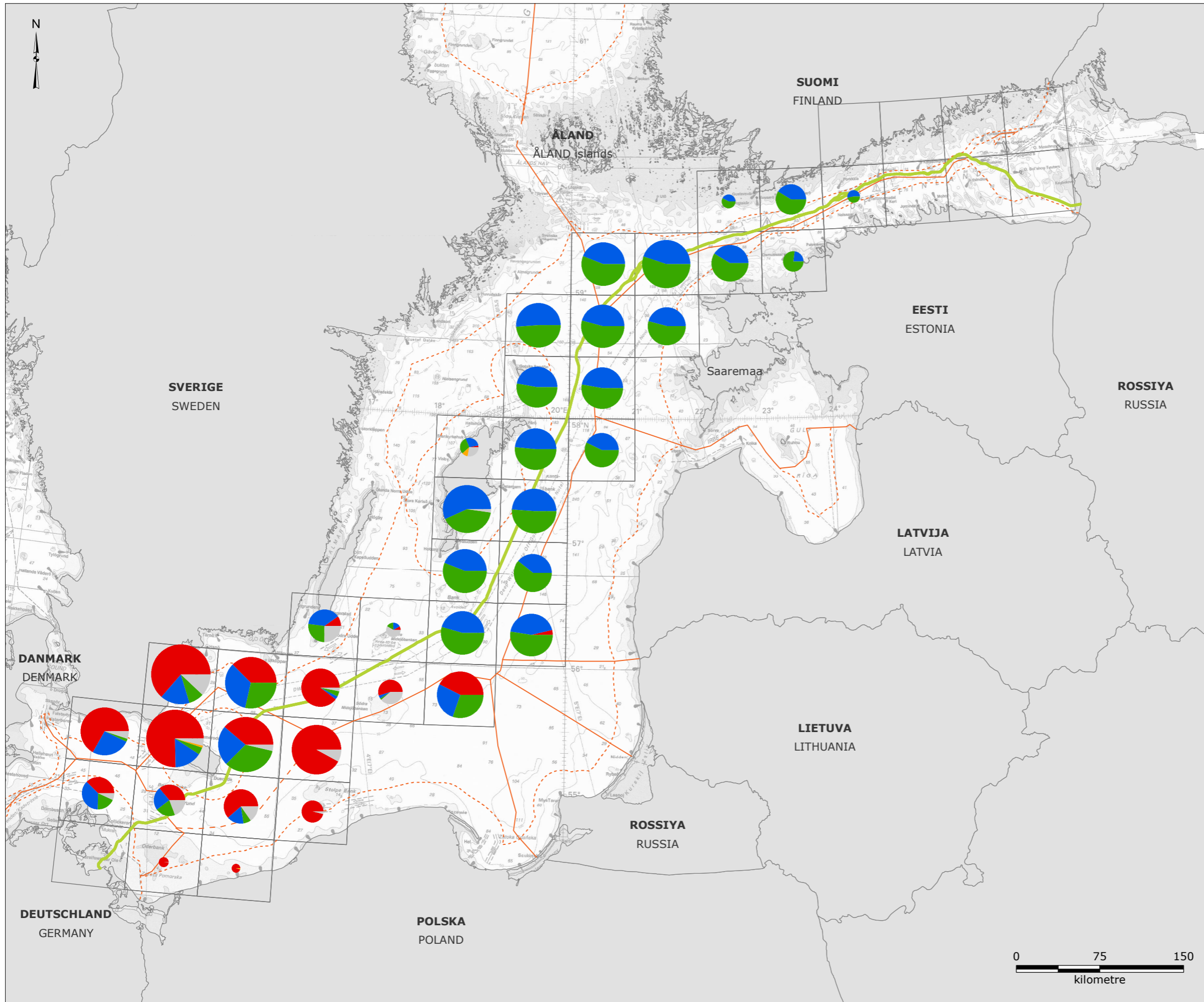
Reference:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 03
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-12-Espoo

Mean value of catches according to species by Estonia





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishery mean value (euro):



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

- 900,000 euro
- 245,000 euro
- 55,000 euro

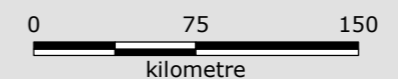
Note:
- Based on data for 2010-2014

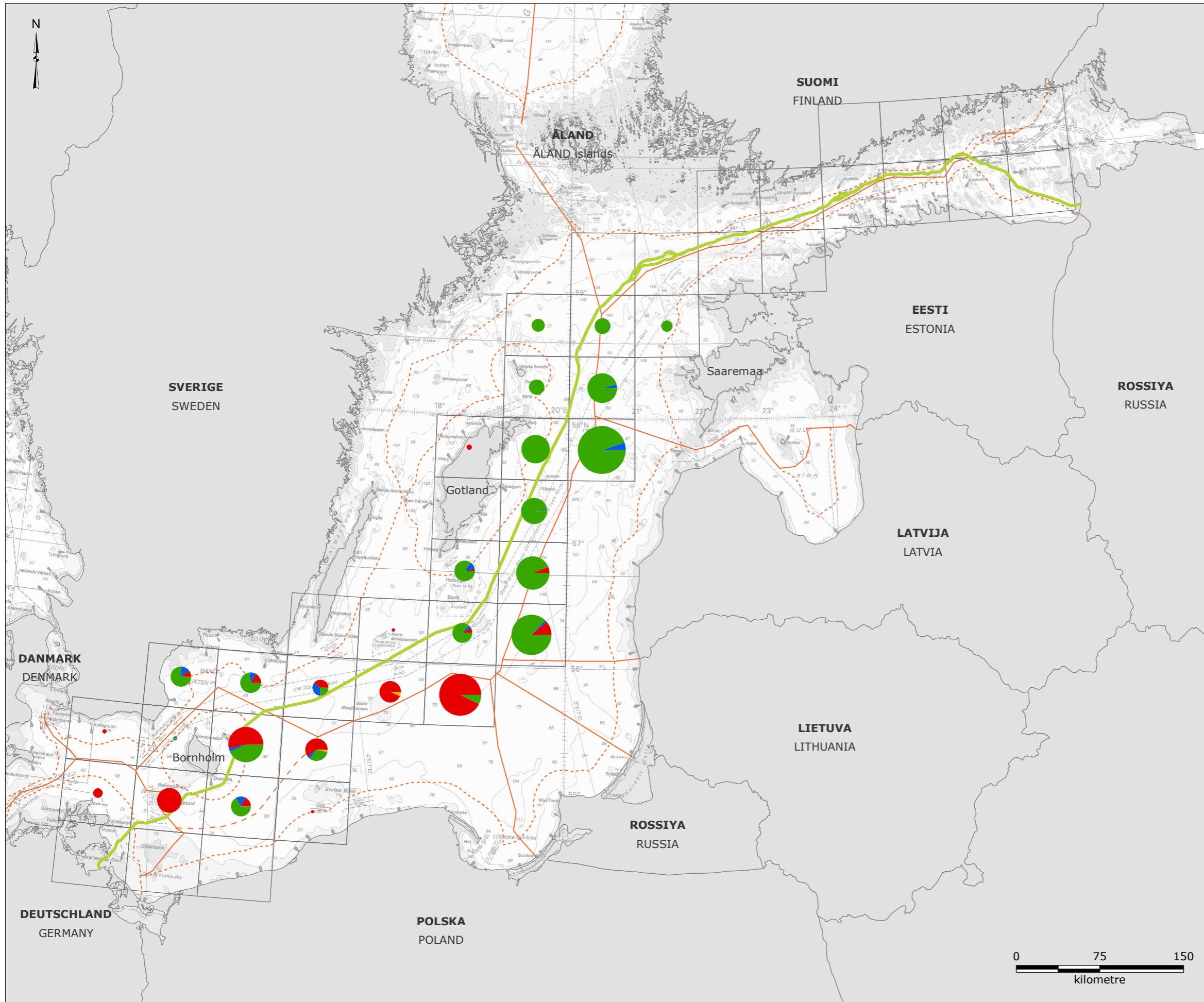
Reference:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 03
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-13-Espoo

Mean value of catches according to species by Sweden





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishery mean value (euro):



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

- 900,000 euro
- 245,000 euro
- 55,000 euro

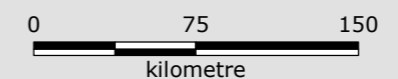
Note:
- Based on data for 2010-2014.

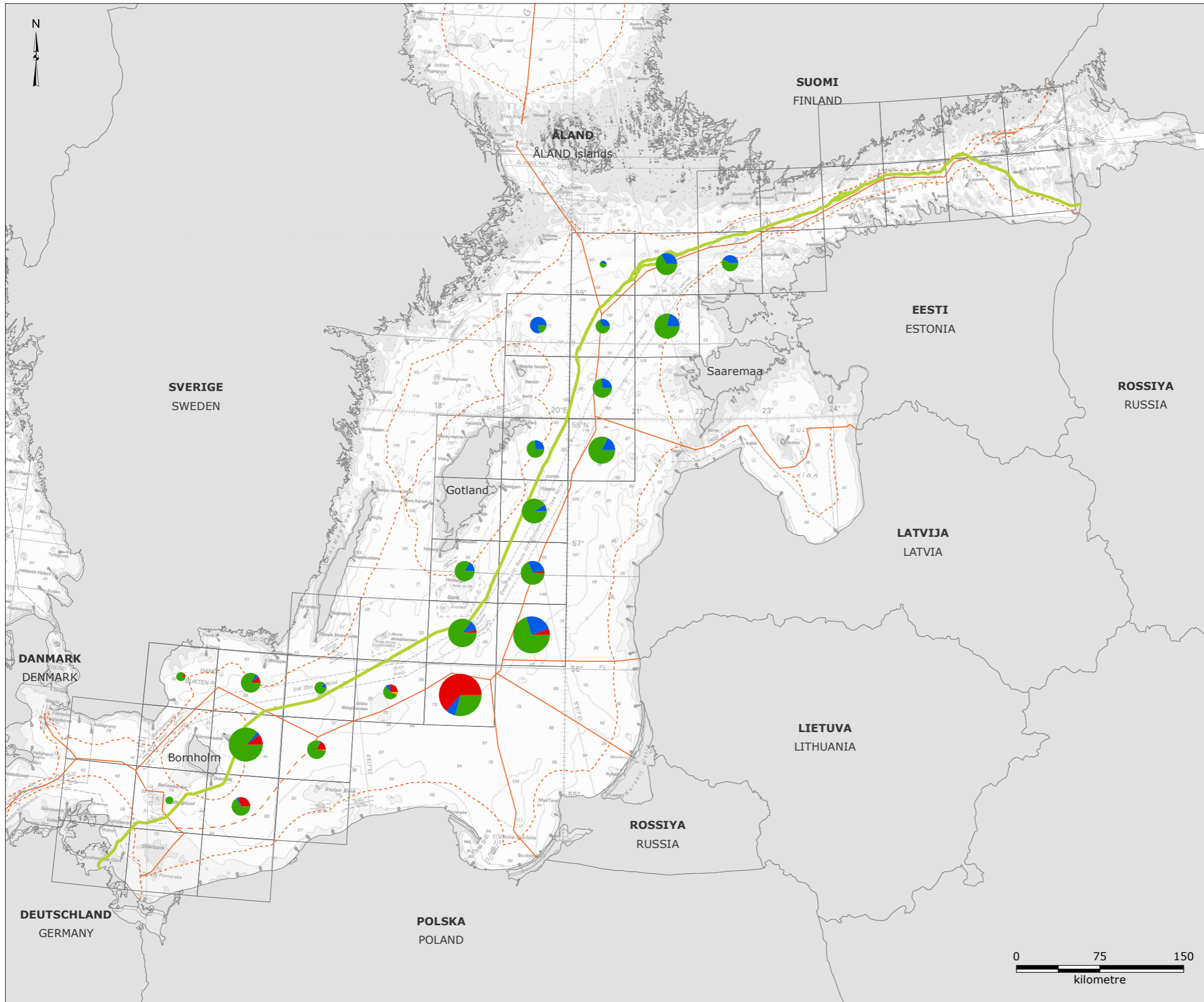
References:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 03
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-14-Espoo

Mean value of catches according to species by Latvia





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishery mean value (euro):



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

- 900,000 euro
- 245,000 euro
- 55,000 euro

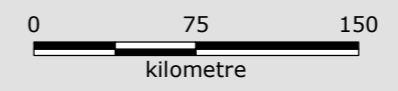
Note:
- Based on data for 2010-2014

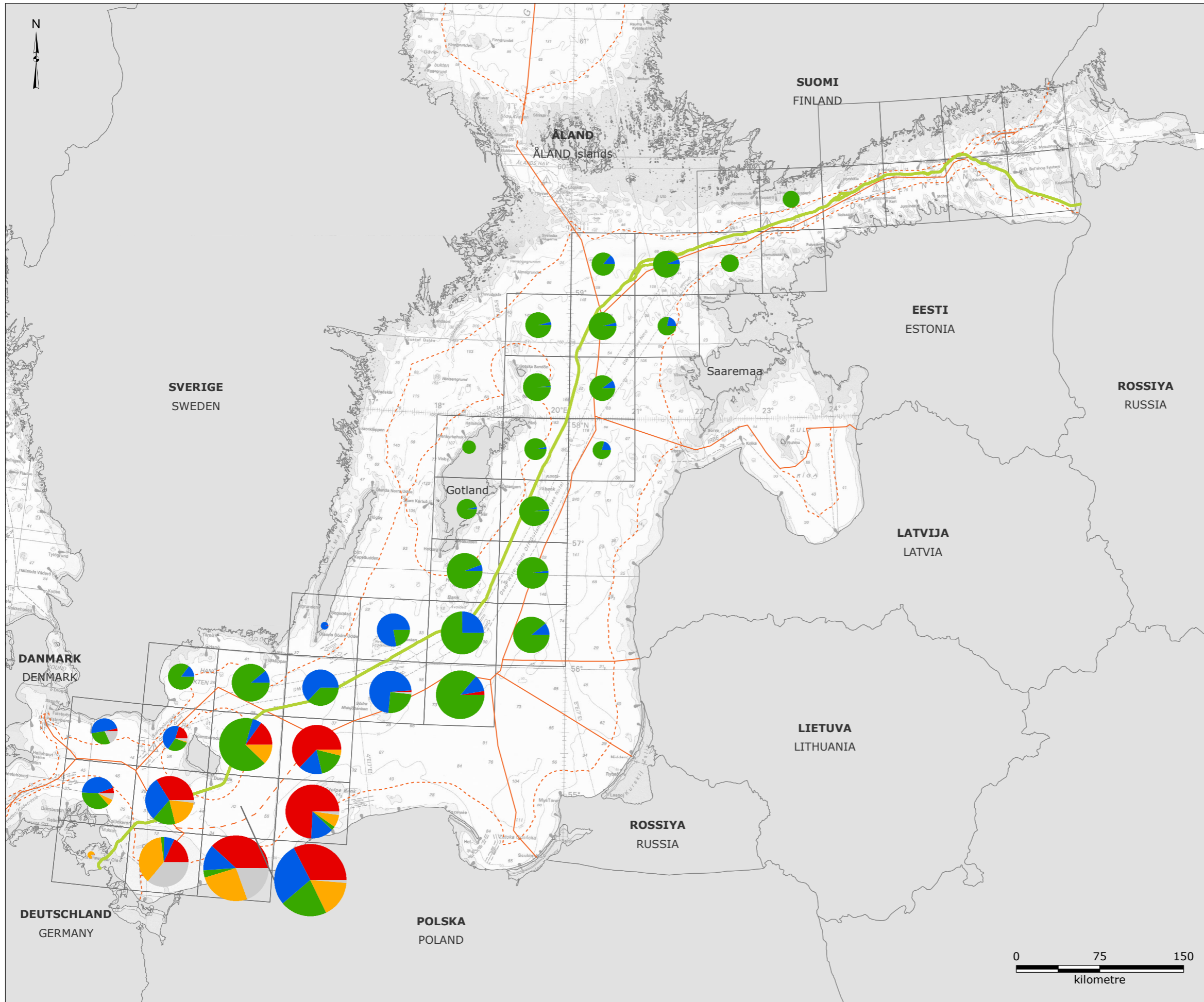
Reference:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 03
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-15-Espoo

Mean value of catches according to species by Lithuania

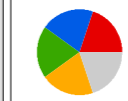




Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishery mean value (euro):



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

- 900,000 euro
- 245,000 euro
- 55,000 euro

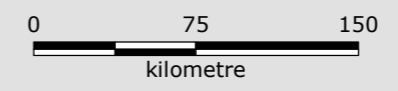
Note:
- Based on data for 2009-2013

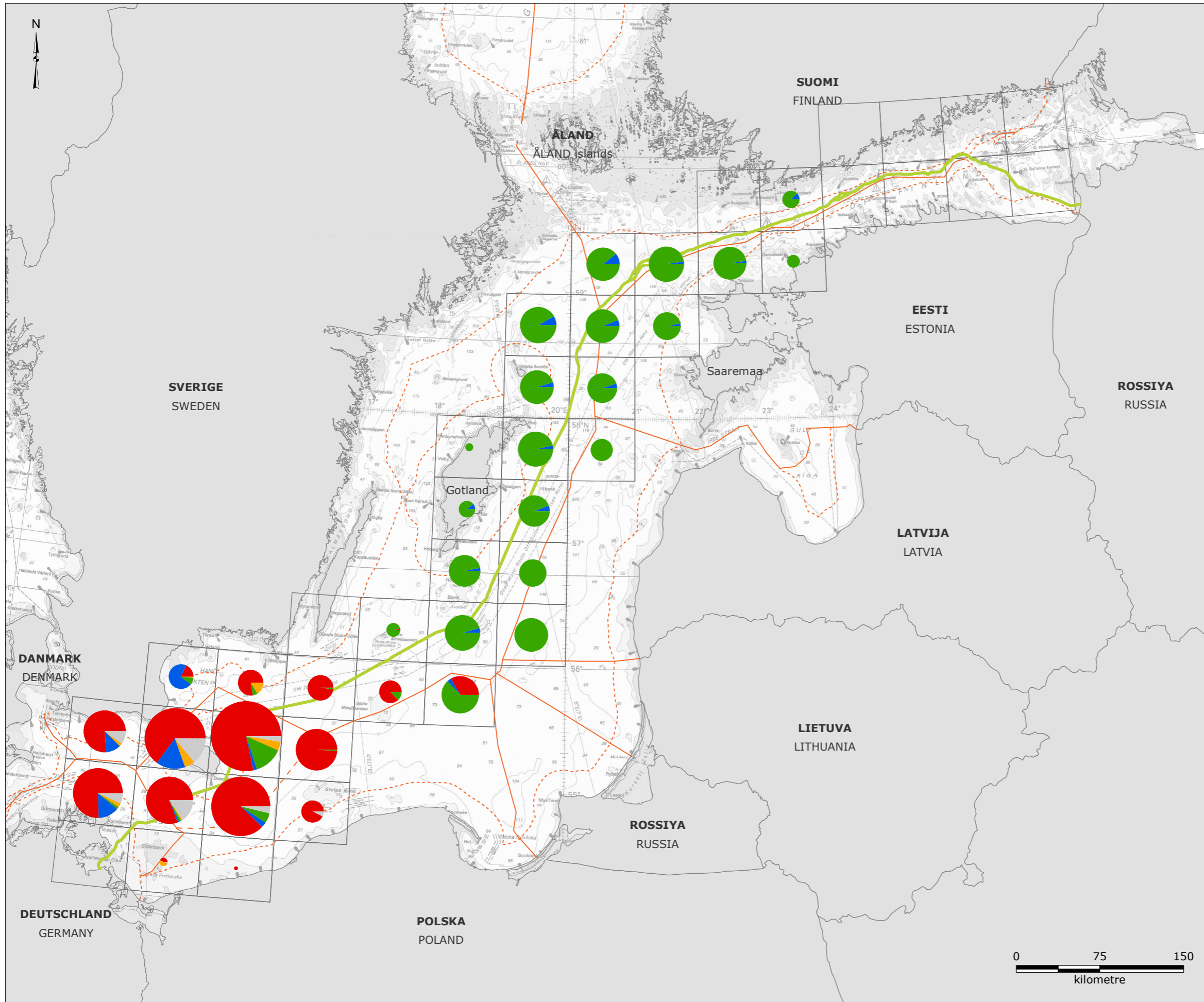
Reference:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 04
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-16-Espoo

Mean value of catches according to species by Poland





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishery mean value (euro):



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

- 900,000 euro
- 245,000 euro
- 55,000 euro

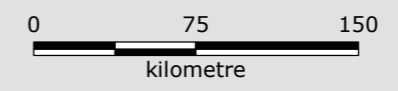
Note:
- Based on data for 2010-2014

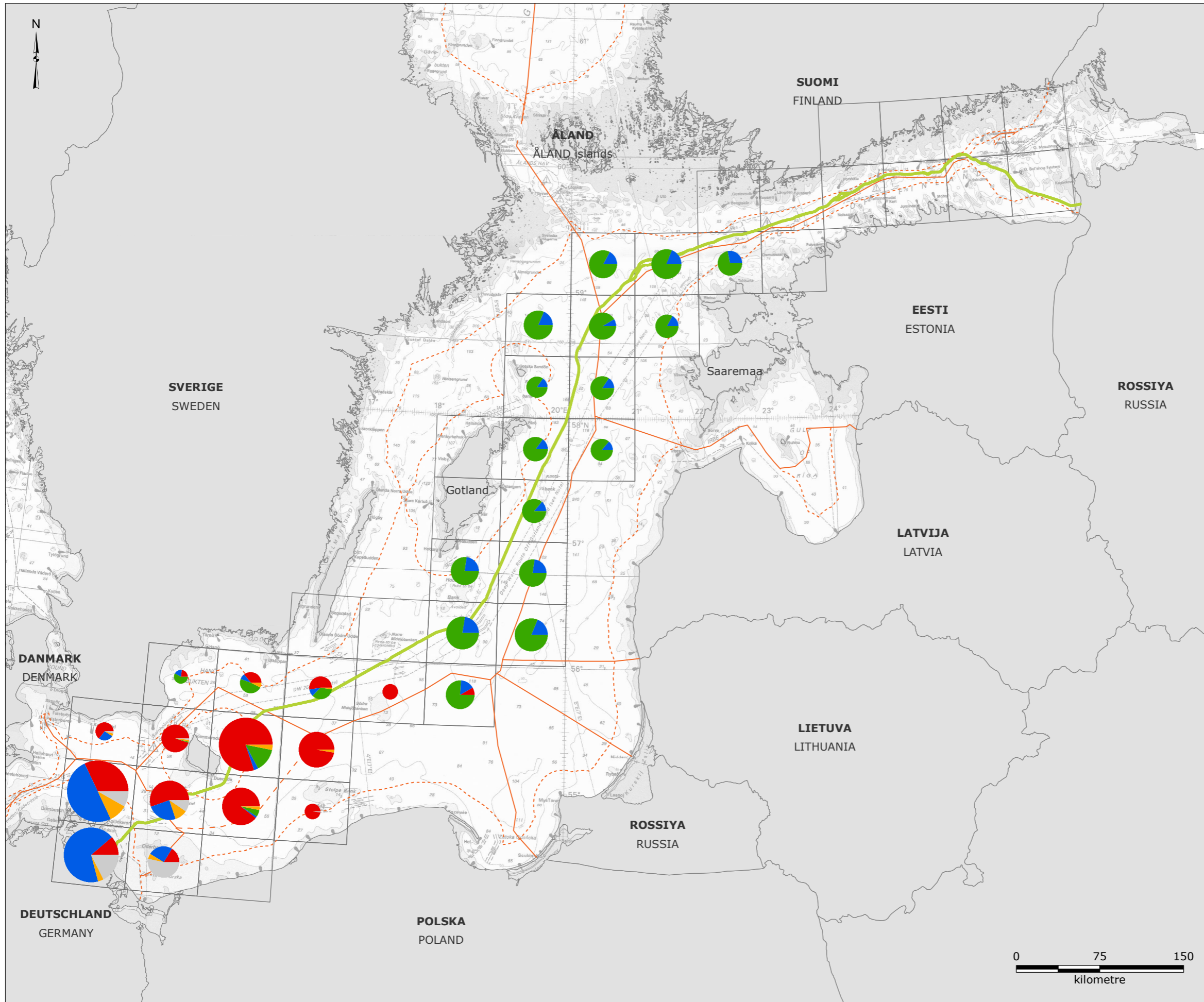
Reference:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 04
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-17-Espoo

Mean value of catches according to species by Denmark





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishery mean value (euro):



- Cod
- Herring
- Sprat
- Flounder
- Other

Pie areas scaled according to square root of values:

- 900,000 euro
- 245,000 euro
- 55,000 euro

Note:
- Based on data for 2010-2014

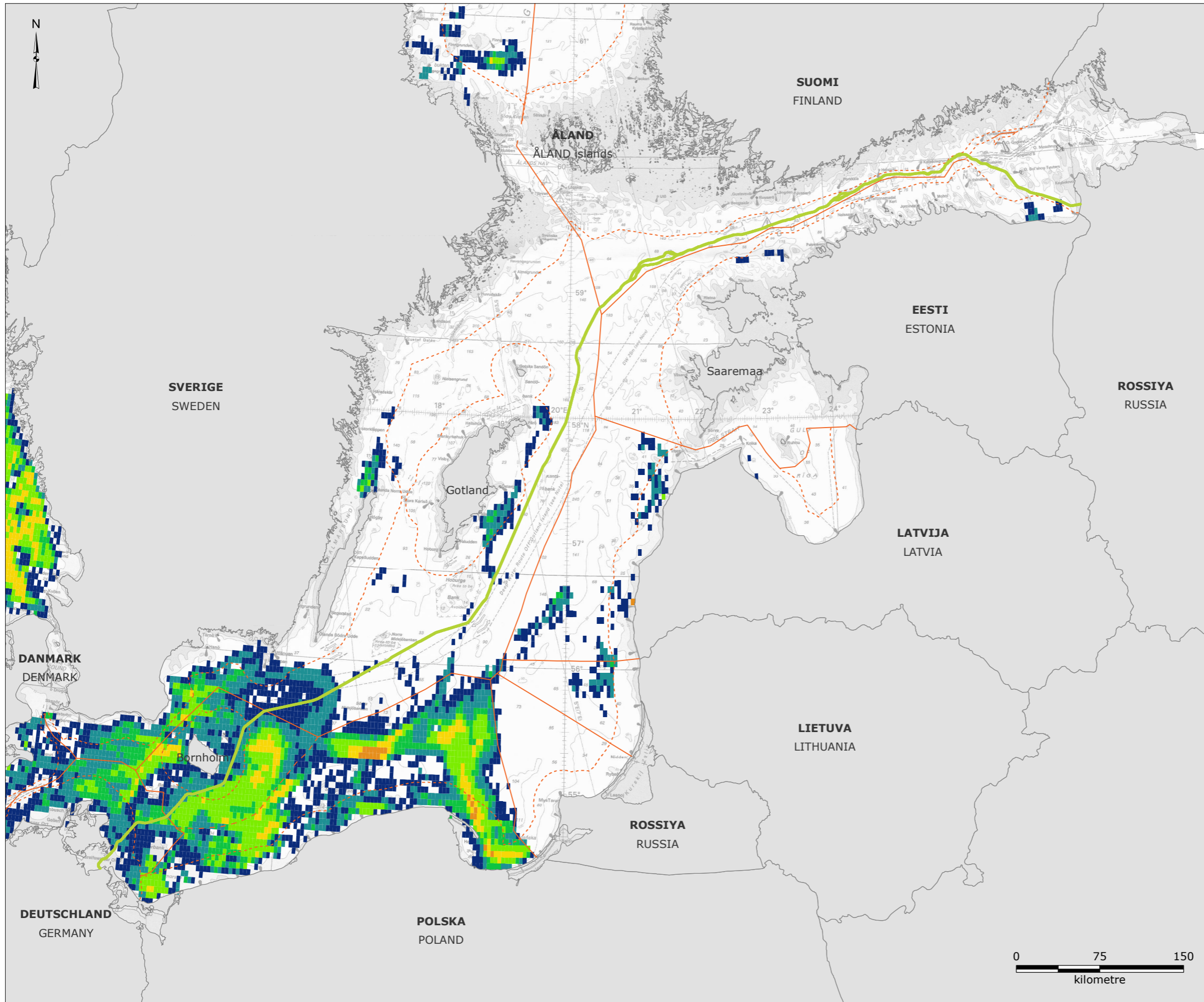
Reference:
- Orbicon, 2016, "Nord Stream 2 – Baltic fisheries along the pipeline transect", Note, 2016-06-09

Version: 04
Date: 2016-12-21
Prepared: MSTB
Controlled: JLA

FC-18-Espoo

Mean value of catches according to species by Germany





Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Midline between Denmark and Poland

Fishing intensity:

(Bottom trawl hours - 2013)

- 0 - 10
- 11 - 50
- 51 - 100
- 101 - 250
- 251 - 500
- 501 - 1000
- > 1000

Note:
- Data represent the sum of hours spent on fishing in 2013

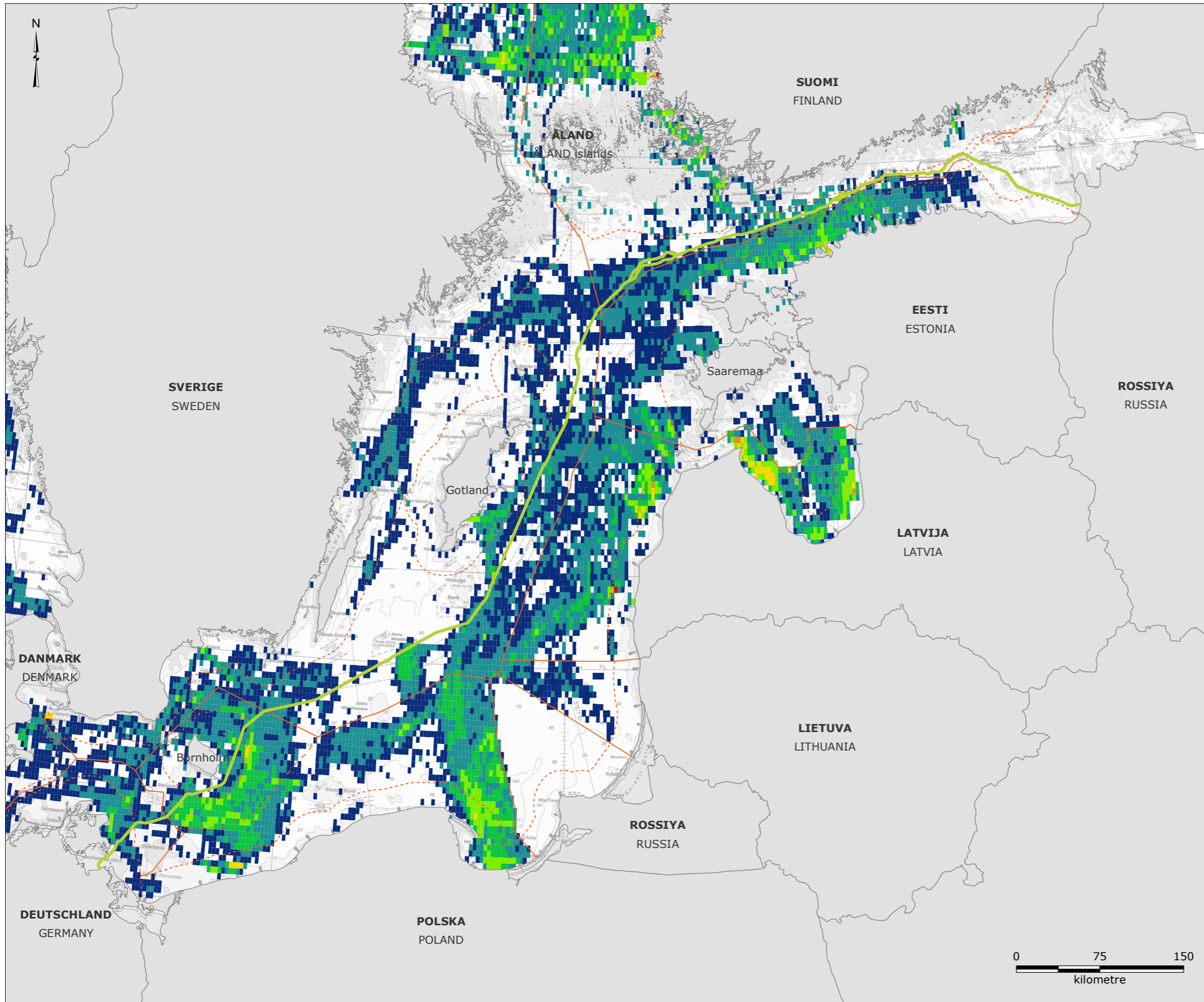
Reference:
- ICES, 2015, #Fishing abrasion pressure maps for mobile bottom-contacting gears in HELCOM area", http://ices.dk/sites/pub/Publication%20Reports/Data%20outputs/HELCOM_mapping_fishing_intensity_and_effort_data_outputs_2015.zip

Version: 05
Date: 2016-12-21
Prepared: MIRS
Controlled: JLA

FC-19-Espoo

Fishing hours - bottom trawling in the Baltic Sea based on VMS data - 2013 (HELCOM data)





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland

- Fishing intensity:
(Midwater trawl hours - 2013)
- 0 - 10
 - 11 - 50
 - 51 - 100
 - 101 - 250
 - 251 - 500
 - 501 - 1000
 - > 1000

Note:
- Data represent the sum of hours spent on fishing in 2013

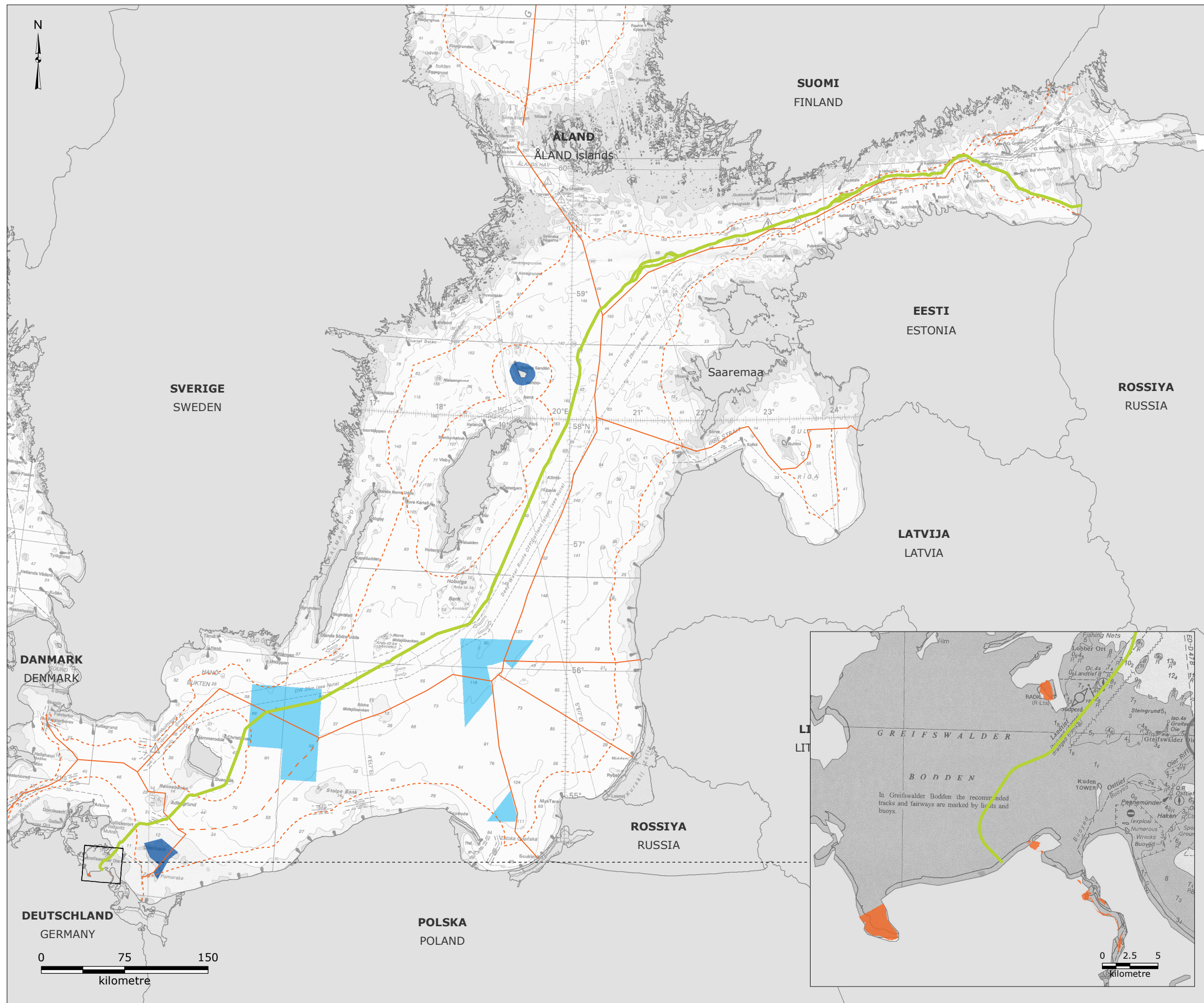
Reference:
- ICES. 2015. Fishing abrasion pressure maps for mobile bottom-contacting gears in HELCOM area.
http://ices.dk/sites/pub/Publication%20Reports/Data%20outputs/HELCOM_mapping_fishing_intensity_and_effort_data_outputs_2015.zip

Version: 05
Date: 2016-12-21
Prepared: MIRS
Controlled: JLA

FC-20-Espoo

Fishing hours - midwater trawling in the Baltic Sea based on VMS data - 2013 (HELCOM data)





Legend:

- NSP2 Route
- - - Territorial water border
- EEZ border
- - - Midline between Denmark and Poland
- Area permanently closed to fisheries with active gear year around
- Area closed to cod (*Gadus morhua*) fishery from May 1 to October 31
- Area closed to fishery during spawning period (Herring (*Clupea harengus*) spawning area) from March – May (Western Baltic population)

References:

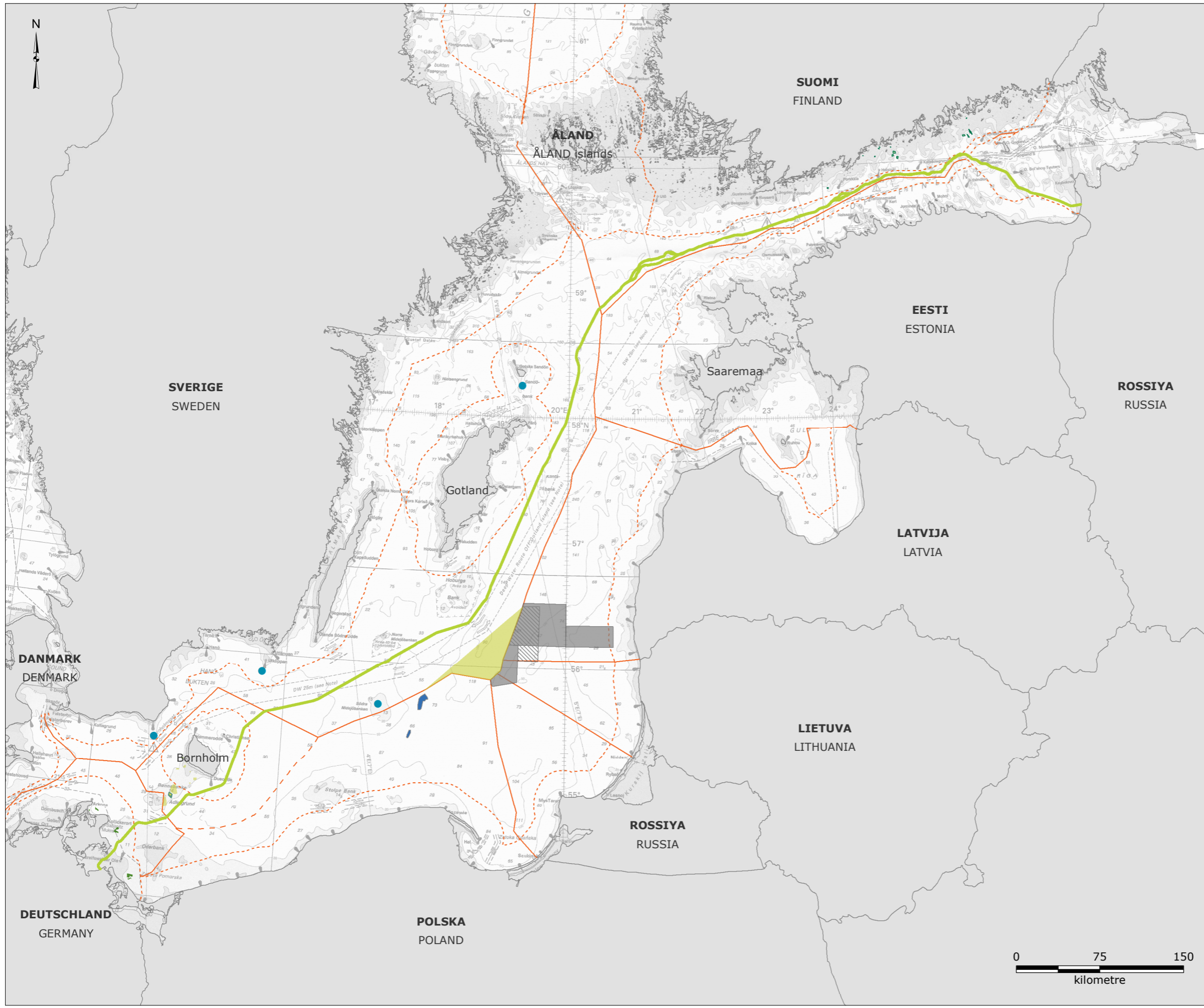
- Council Regulation (EC) No 1098/2007 of 18 September 2007 establishing a multiannual plan for the cod stocks in the Baltic Sea and the fisheries exploiting those stocks, amending Regulation (EEC) No 2847/93 and repealing Regulation (EC) No 779/97
- Council Regulation (EC) No 2187/2005 of 21 December 2005 for the conservation of fishery resources through technical measures in the Baltic Sea, the Belts and the Sound, amending Regulation (EC) No 1434/98 and repealing Regulation (EC) No 88/98
- Havs- och vattenmyndighetens författningssamling Fiskeriverkets föreskrifter (FIFS 2004:36) om fiske i Skagerrak, Kattegatt och Östersjön. Konsoliderad elektronisk utgåva. Senast uppdaterad 2016-01-26
- HELCOM, 2013, "Baltic Sea fisheries closure" <http://maps.helcom.fi/website/mapservice/index.html>, Data accessed: 2016-2-24
- HELCOM, 2013, "Cod fisheries closures" <http://maps.helcom.fi/website/mapservice/index.html>, Data accessed: 2016-2-24
- Umwelterverträglichkeitsstudie (UVS) zur Nord Stream-Gaspipeline von der Grenze der deutschen Grenze Ausschliesslichen Wirtschaftzone (AWS) bis zum Anlandungspunkt. Nord Stream.

Version: 03
 Date: 2016-11-30
 Prepared: MSTB
 Controlled: JLA

FC-21-Espoo

Areas where fishery is prohibited





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - Area of interest for sand and gravel extraction
 - Natural gas reservoir
 - Oil and gas production license area
 - Oil and gas exploration license area
 - Sediment dumping site
 - Raw materials extraction area
 - Reserved, potential future resource extraction
 - Extraction and spoil dump sites
 - Existing and planned extraction sites

References:

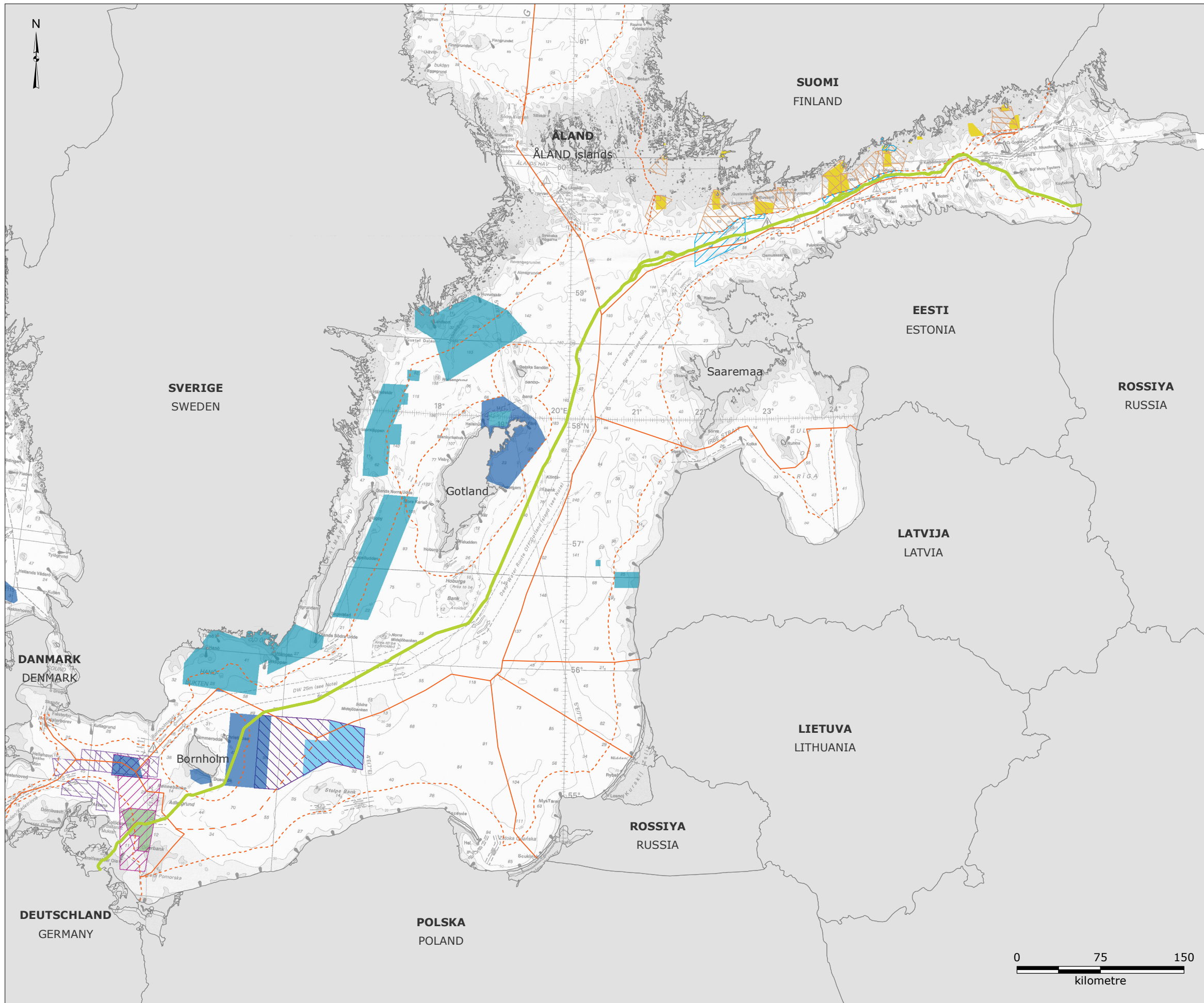
- Geological Survey of Sweden, 2013, "Begäran om sektorsunderlag till kommande havsplanering", Havs- och Vattenmyndigheten, Göteborg, Sweden
- Ministry of Economics of the Republic of Latvia, 2011, "oil-map_licences_2011.jpg", Riga, Latvia
- Regional Director for Environmental Protection in Gdańsk, 2014, "RDOŚ-Gd-WO0.4211.12.2014.ER.8", Gdańsk, Poland
- Naturstyrelsen, 2016, "Råstofindvinding på havet - Reservationsområder", <http://miljoegis.mim.dk/cbkort?profile=miljoegis-raastofferhavet>, Miljøministeriet, Date accessed: 2016-01-06
- Naturstyrelsen, 2016, "Restriktive områder - Klappladser", <http://miljoegis.mim.dk/cbkort?profile=miljoegis-raastofferhavet>, Miljøministeriet, Date accessed: 2016-01-06
- Naturstyrelsen, 2016, "Råstofindvinding på havet - Fællesområder", <http://miljoegis.mim.dk/cbkort?profile=miljoegis-raastofferhavet>, Miljøministeriet, Date accessed: 2016-01-06
- Ramboll, 2017, "E-mail from IfAÖ GmbH, Germany", Received: 2017-03-01

Version: 04
 Date: 2017-03-07
 Prepared: MIRS
 Controlled: DPEREIRA

RM-01-Espoo

Raw material extraction sites





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - D area, Danger area where activities dangerous to aircraft may occur
 - R area, Restricted area within the Finnish airspace
 - Restricted area by the Finnish Navy
 - Other military exercise area
 - Firing danger area
 - Submarine exercise area
 - Safe bottoming areas
 - Other live firing exercise area
 - Artillery firing exercise area

References:

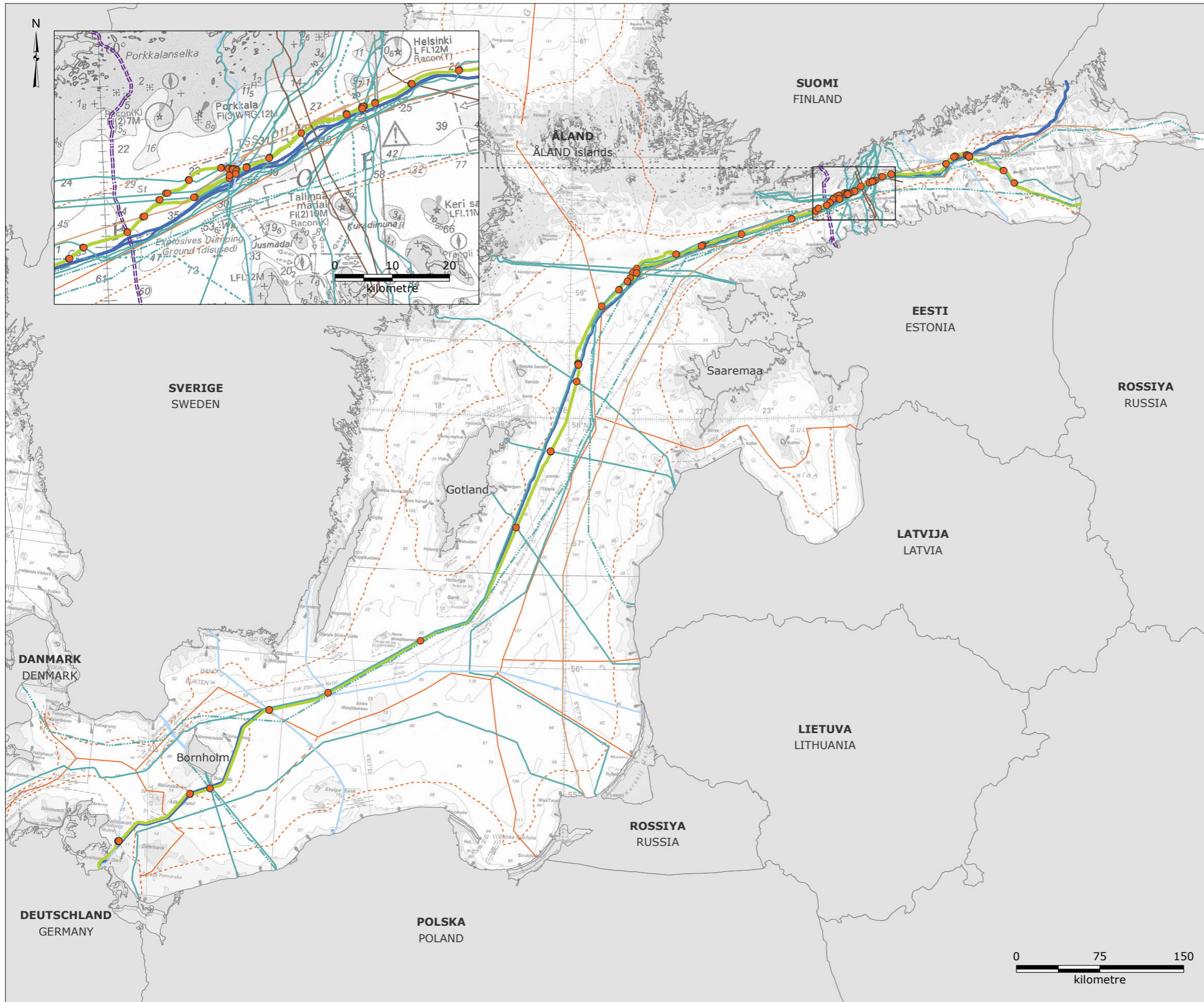
- FINLEX, <http://www.finlex.fi>, Date accessed: 2012-05-28
- Försvarsmakten, 2015, "Redovisning av riksintressen och områden av betydelse för totalförsvarets militära del enligt 3 kap §9 Miljöbalken i Kalmar Län", Sweden
- Letter from Federal Office for Infrastructure, Environmental Protection and Services of The German Armed Forces, 23 March 2016
- Ramboll, 2013, "E-mail from Forsvarets Byggnings- & Etablisementstjeneste, Denmark", Received: 2013-06-27
- Ramboll, 2017, "E-mail from IfAO GmbH, Germany", Received: 2017-03-01
- Trafi, <http://www.finlex.fi/fi>, Data accessed: 2012-05-28
- UKHO, 2007, "British Admiralty Nautical Chart 2223: Gotland to Saaremaa", United Kingdom Hydrographic Office
- UKHO, 2007, "British Admiralty Nautical Chart 2816: Baltic Sea, Southern Sheet", United Kingdom Hydrographic Office

Version: 04
 Date: 2017-03-08
 Prepared: MSTB
 Controlled: DPEREIRA

MI-01-Espoo

Military practice areas





- Legend:**
- NSP2 Route
 - Territorial water border
 - EEZ border
 - Midline between Denmark and Poland
 - Pipeline / cable crossing for active existing and planned infrastructure
- Cables:**
- Power - active
 - Power - planned
 - Telecom - active
 - Telecom - planned
 - Telecom - inactive
 - Military - inactive
 - Unknown
- Pipelines:**
- NSP Route
 - Balticconnector - planned

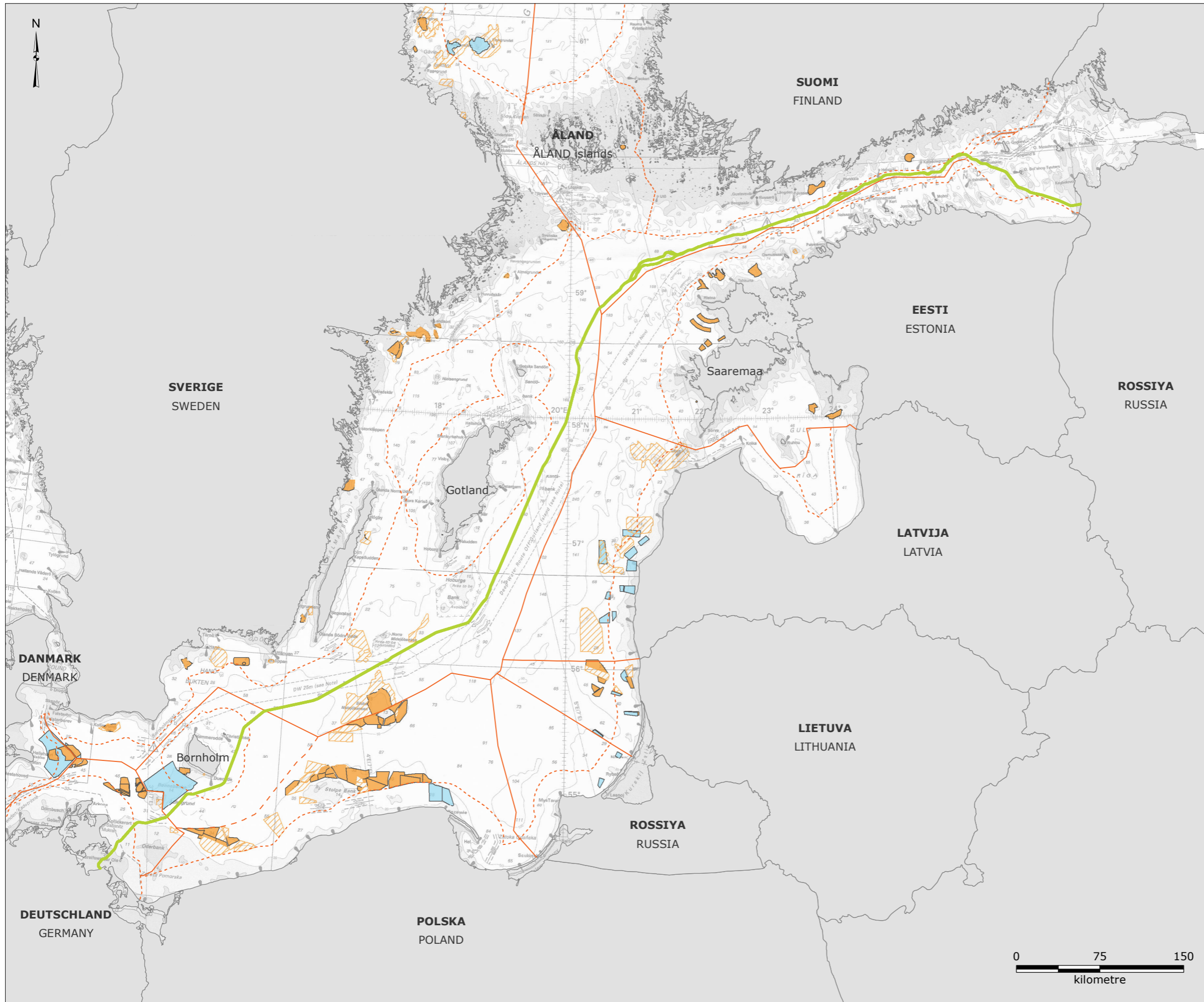
Reference:
- Cable data received from Nord Stream 2 AG 20 January 2017

Version: 09
Date: 2017-03-10
Prepared: MSTB
Controlled: DPEREIRA

IN-01-Espoo

Registered cables and pipelines in the Baltic Sea crossed by NSP2





- Legend:**
- NSP2 Route
 - - - Territorial water border
 - EEZ border
 - - - Midline between Denmark and Poland
- Wind farms:
- Planned Area
 - Reserved Area
 - Potential Area

Note:

- Planned refers to areas where there currently are planned projects in various stages
- Reserved area refers to areas that are reserved for wind farms by authorities
- Potential areas refers to areas where there at some point in time has been planned projects that have been cancelled, however the areas could potentially house future projects involving windfarms

References:

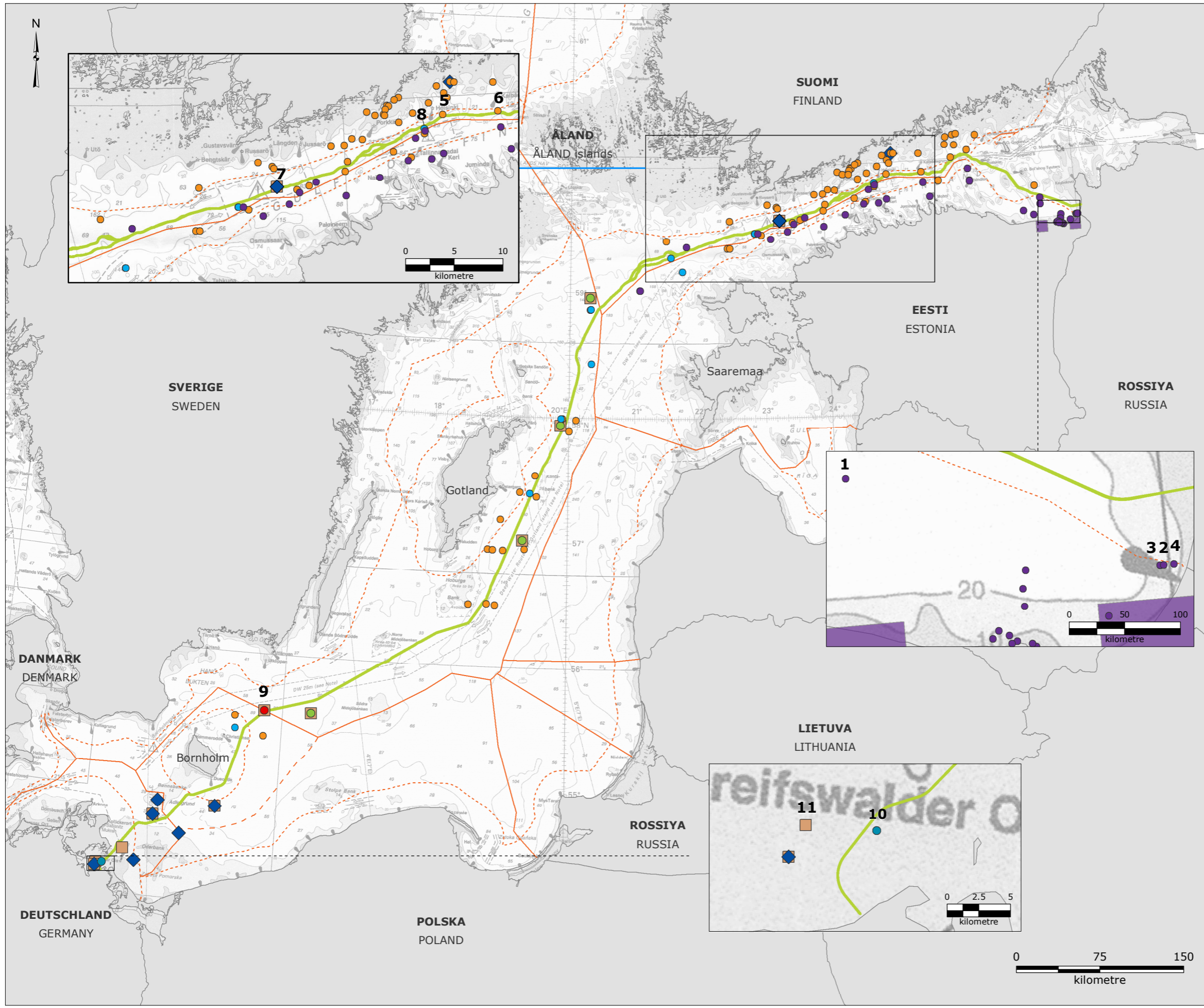
- 4C Offshore, <http://www.4c offshore.com/offshorewind/>, Date accessed: 2016-08-04 and 2017-02-21
- Wind power: Uusimaa Regional plan - 4th phase proposal

Version: 05
 Date: 2017-02-21
 Prepared: MIRS
 Controlled: DPEREIRA

IN-02-Espoo

Existing and planned wind farms





- Legend:**
- NSP2 Route
 - - - Territorial water border
 - EEZ border
 - - - Midline between Denmark and Poland
 - ◆ HELCOM monitoring station (water) from ICES
 - HELCOM monitoring station (sediment) from ICES
 - Finnish national monitoring station from SYKE
 - Swedish national monitoring station from SMHI
 - Swedish national monitoring station from SGU
 - Old Swedish national monitoring station from SGU (not in use)
 - National monitoring station (water temperature, salinity, and oxygen saturation) from LUNG M-V
 - Estonian survey station
 - Estonian survey station

Note:
 - Labels refer to numbering in Espoo report - not the station name
 - Label number 7 represents a HELCOM station (LL11) monitoring both water quality and benthos

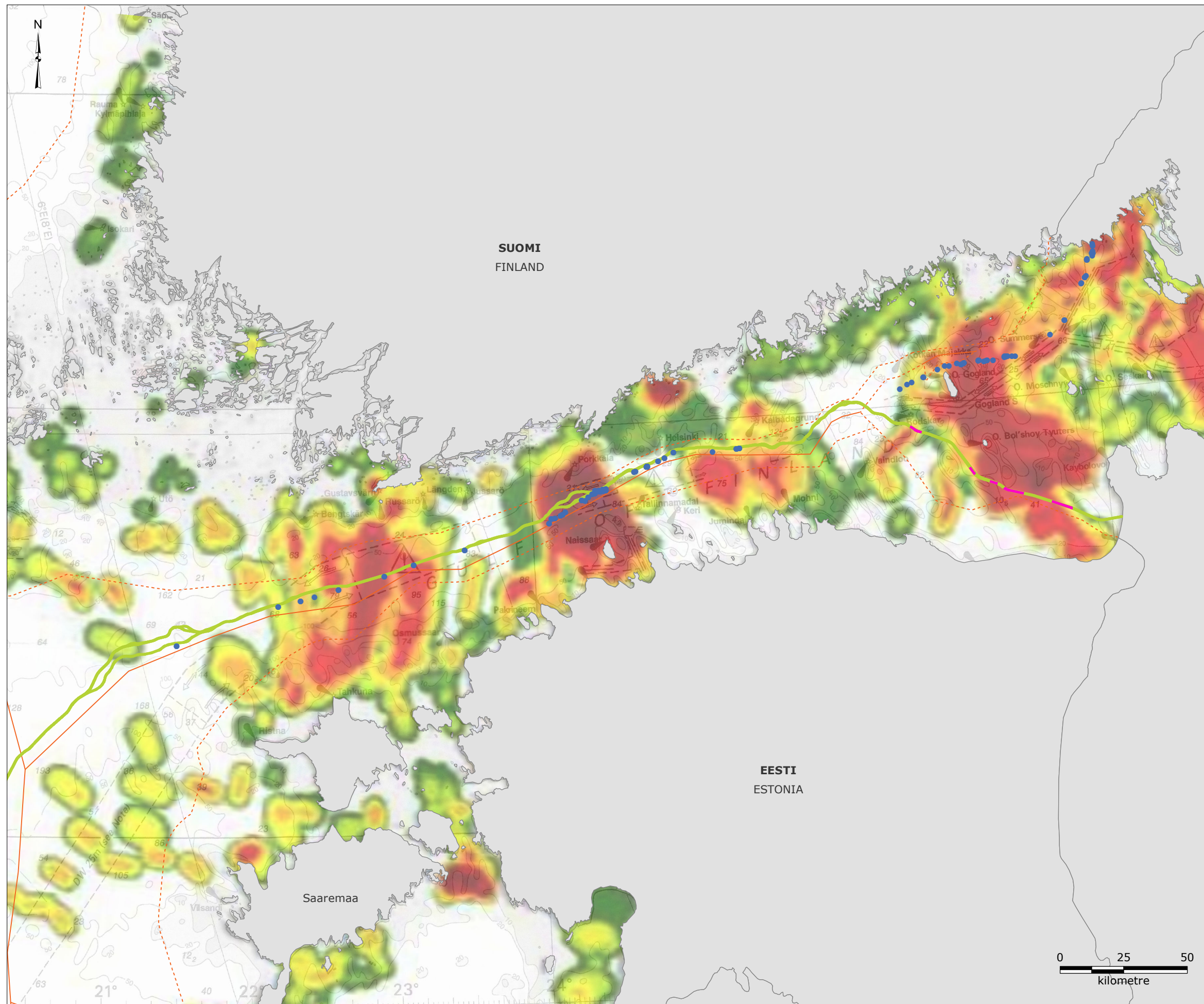
References:
 - Rambøll, 2016, "E-mail from ICES, Denmark", Received: 2016-04-01
 - Rambøll, 2014, "E-mail from SYKE, Finland", Received: 2014-11
 - Rambøll, 2016, "E-mail from Swedish Meteorological and Hydrological Institute(SMHI)", Received: 2016-03-31
 - Geological Survey of Sweden (SGU), <http://apps.sgu.se>, Date accessed: 2016-03-23
 - Rambøll, 2017, "E-mail from IfaO GmbH, Germany", Received: 2017-02-15
 - Estonian Nature Information System (EELIS), Date accessed: 2016-04

Version: 09
 Date: 2017-03-08
 Prepared: MSTB
 Controlled: DPEREIRA

MS-01-Espoo

Monitoring stations

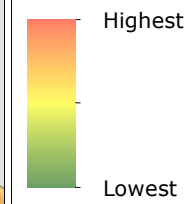




Legend:

- NSP2 Route
- Territorial water border
- EEZ border
- Mine area
- Munitions cleared during NSP

Munitions density:



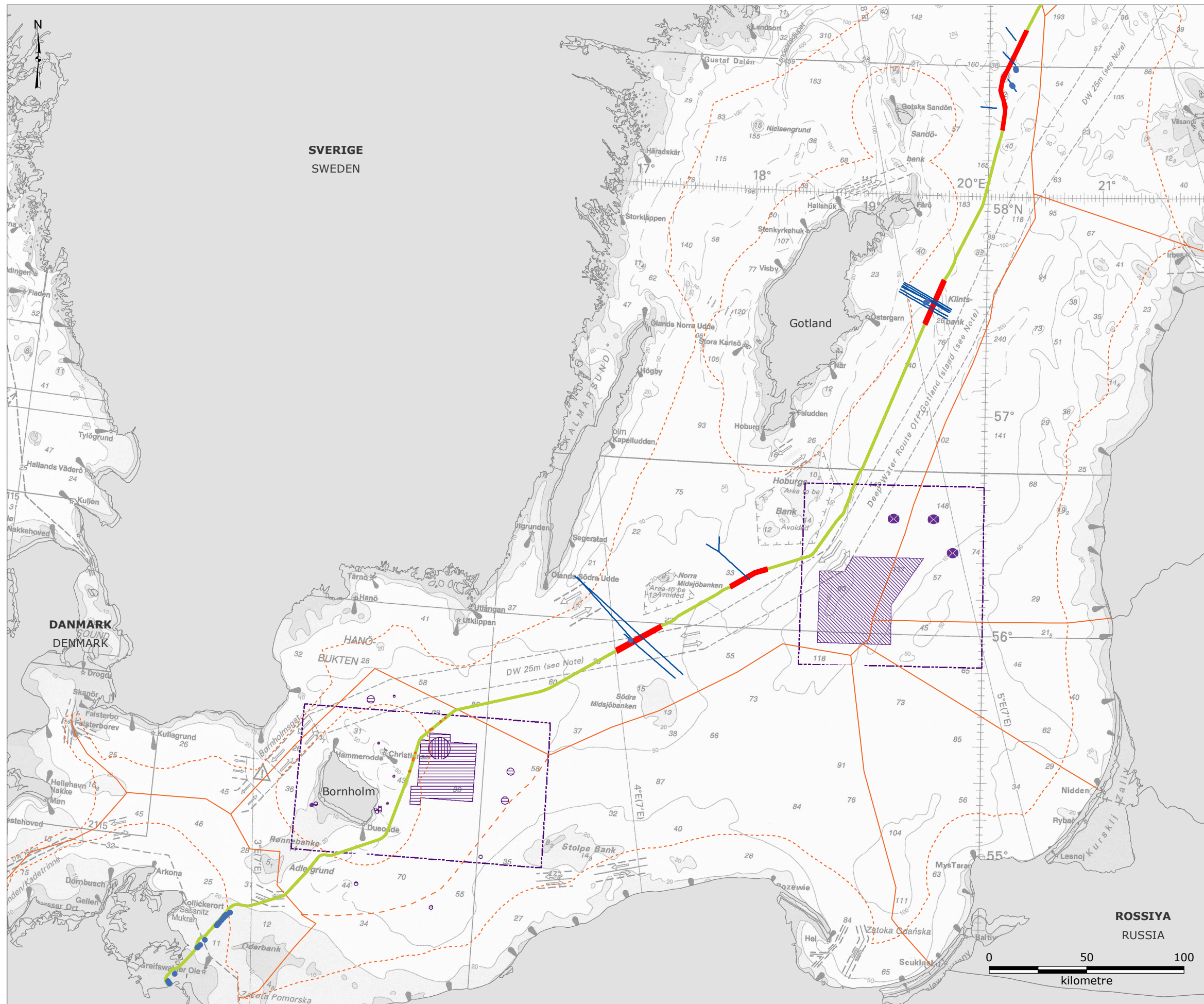
References:
 - Baltic Ordnance Safety Board, 2014, "The Explosive legacy from the Wars", HELCOM Submerged, Szczecin
 - Munitions data received from Nord Stream AG 16 February 2012
 - Nord Stream 2 AG, 2016, "Mine lines and munitions density - Russia"

Version: 02
 Date: 2017-03-21
 Prepared: MSTB
 Controlled: OM

MU-01-Espoo

Areas with conventional munitions and chemical warfare agents (CWA) in Gulf of Finland





Legend:

- NSP2 Route
- - - Territorial water border
- EEZ border
- - - Midline between Denmark and Poland
- ⊗ Single dumping
- Emergency dumping area
- Chemical and conventional munitions dumping area
- Chemical munitions dumping site
- Bottom trawling, anchoring and seabed intervention works discouraged
- Risk area in which fishing vessels are required to have first aid gas equipment on board
- Mine lines
- High priority areas
- Chemical munitions identified during NSP2 munition screening survey
- Munitions cleared during NSP

References:
 - Fiskeriministeriet, 2007, "Fiskeriårbogen 2007 (årgang 114)", Iver C. Weilbach & co., pp. 944
 - Försvarsmakten, 2016. "Försvarsmaktens information till Nord Stream 2 AG". FM2016:14851:2. Received: 2016-06-17
 - Kort og Matrikelstyrelsen, 2010, "Ny udgave af kort 188 - Østersøen omkring Bornholm, 5th edition
 - Ministry of Business and Growth, 2005, "Bekendtgørelse om forbud mod sejlads, ankring og fiskeri mv. i visse områder i danske farvande", BEK nr. 135 af 04/03/2005
 - Munitions data received from Nord Stream AG 16 February 2012
 - UKHO, 2007, "British Admiralty Nautical Chart 2816: Baltic Sea, Southern Sheet", United Kingdom Hydrographic Office
 - W-SU-SUR-GEN-SOW-800-MUN002EN-01

Version: 01
 Date: 2017-03-21
 Prepared: MSTB
 Controlled: OM

MU-02-Espoo

Areas with conventional munitions and chemical warfare agents (CWA) in Baltic Proper and southern Baltic Sea

