



Document title	Requests for access to and use of HELCOM AIS data (April 2019 to June 2020)
Code	5-1
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Agenda Item	5 - Access to and use of HELCOM AIS information
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Reference	

Background

This document includes an overview of requests for access to and use of HELCOM AIS data, received by the Secretariat during the period from April 2019 to June 2020. As requested by AIS EWG 30-2019 (paragraph 5.4 of the [Outcome](#)), a new column about the country of the requester was added in the overview.

Access to use the regional AIS data can be granted to 1) a public entity or a consultant working for such an entity 2) working with a project related to Maritime traffic. Appendix 1 of HELCOM Recommendation 33/1 (**Attachment 1**) specifies in more detail uses which do not need any explicit consultation <http://www.helcom.fi/Recommendations/Rec%2033-1-R.pdf>.

The HELCOM Secretariat has used the Recommendation and its Appendix to decide how to grant access to the dataset and whether to extract the data from the HELCOM AIS data.

Explicit consultation is only needed for scope of use outside Appendix 1 or if the user is a private company working for a private project. In such cases the HELCOM Secretariat circulates the request to all Contracting Parties of the Helsinki Convention for tacit approval. This process occurred for two requests during the period from April 2019 to June 2020.

Action requested

The Meeting is invited to take note of the information.

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Applicant	Country	Date received	Purpose	spatial and time coverage	Does purpose fit to those described in Rec. 33/1 Appendix 1?	Status
Made Smart Group	The Netherlands	12/03/2019	Displaying real-time data	Whole Baltic Sea - live stream	no	Request forwarded to the Contracting parties- The request was refused by at least one Contracting Party.
Tallinn University of Technology	Estonia	03/09/2019	Environmental impact assessment of the anthropogenic underwater noise in the Baltic Sea	year 2018 for the data within the following polygon: N 60,0664°/E020,8247°, N 60,0664°/E027,2520°, N 57,3261°/E027,2520°, N 57,3261°/E020,8247°.	Yes but only Estonian waters	Pending response from requestee
Griegconnect	Norway	30/09/2019	Ports monitoring		no	Request forwarded to the Contracting parties- The request was refused by at least one Contracting Party.
South-Eastern Finland University of Applied	Finland	15/10/2019	measurement for COMPLETE project	Whole Baltic Sea for M/S Finnlady IMO 9336268 , 22 April – 13 October; M/S Gabriella IMO 8917601, 1 March – 1 October; M/S Serenade IMO 9228344, 24 – 26 April and 20 – 22 August; M/S Finnmaid IMO 9319466, 2 September – 5 September; M/S Finnstar IMO 9319442, 30 June – 16 July	yes	Delivered
Havsmiljöinstitutet	Sweden	29/01/2020	traffic statistics	Whole Baltic Sea for the year 2019	yes	Delivered

Applicant	Country	Date received	Purpose	spatial and time coverage	Does purpose fit to those described in Rec. 33/1 Appendix 1?	Status
University of Flensburg	Germany	17/02/2020	emissions statistics	Whole Baltic Sea - 01/12/2014 – 31/12/2015	yes	Delivered
Åbo Akademi University	Finland	10/03/2020	to create deep learning models for autonomous ship collision avoidance algorithm, navigation algorithm and port arrival time prediction	Whole Baltic Sea - January 2009 to December 2019	yes	Delivered
Maritime University of Gdynia	Poland	16/03/2020	risk assessment of ship-ship accidents	Whole Baltic Sea – 01/06/2018 to 31/12/2019	yes	Delivered
Hamburg University of Technology	Germany	06/05/2020	development of a model for underwater noise emission of merchant ships	<p>1) Data of the following polygon: (Fehmarn Belt Region) N 54.2° / E 011.3°, N 54.4° / E 012.3°, N 54.6° / E 012.2°, N 54.7° / E 010.9° (Period covered: 29/08/2019 – 06/05/2020)</p> <p>2) Data of the following polygon: N 54.798° / E 013.789°, N 54.942° / E 014.41°, N 54.058° / E 014.663°, N 54.001° / E 014.067° (Period covered: 08/10/2012-19/12/2012)</p> <p>3) Data: Radius of 18km around position N 54.6341° / E 010.2183° (Period covered: 29/08/2012-15/11/2012)</p> <p>4) Data: Radius of 14km around position N 54.52467° / E 011.30962° (Period covered: 02/03/2012-07/06/2012)</p> <p>5) Data: Radius of 20km around position N 54.4372° / E 012.1764° (Period covered: 10/10/2012-01/02/2013)</p>	yes	Pending, preparing agreement

Attachment 1

(Appendix 1 of HELCOM Recommendation 33/1)

APPLICATIONS FOR RETRIEVED HELCOM AIS DATA FROM THE COMMON BALTIC SEA AIS

Real-time HELCOM AIS data in this agreement is defined to be:

- delivered end-to-end non-stop, one vessel report after the other as soon as they are transmitted
- delivered promptly when they are received at the base station
- delivered without any delay (additional latency)
- not sent in blocks
- irrespective of the reporting interval (not all messages received by the national centre are relayed/forwarded to the regional centre. The reporting interval is less frequent)

Type of access:

For each specific case some restrictions – at the discretion of a Participating Party - can be applied, where applicable and justified, such as: time limitation, geographical limitation and/or update rate.

Whenever access is implemented directly from the HELCOM AIS Information Centre, it is given for all Participating Parties' data* and at the update rate in-force.

If an access to a full update rate is needed this should be solved on a bilateral basis.

Type of HELCOM AIS data:

- Real time (R),
- Statistic data (S),
- Historical data (H)
- Web based visualization of AIS real-time data (V)

User	Uses	Type of HELCOM AIS data
HELCOM Secretariat	Aiming at implementation of the Helsinki Convention	S, H, V
National administration, including accident investigation authorities and any research institutes or organizations or their contractors in the Baltic Sea states and Norway acting according to the uses set herein	<ul style="list-style-type: none"> - Pollution preventing and combating - VTS (Vessel Traffic Services) - Port State Control (PSC) - Contingency planning - International Ship and Port Security (ISPS) - Search and Rescue (SAR) - Accident investigation - Traffic planning, efficiency and management, incl. icebreaking services - Mandatory reporting system for HAZMAT reporting requirements - Pilotage - Customs surveillance - Science and research supporting the implementation of the Helsinki Convention and for preparing IMO ships routeing measures 	R, S, H, V
EU institutions Institutions in Russia	Aiming at implementation of the Helsinki Convention, including: <ul style="list-style-type: none"> - Mandatory reporting system for HAZMAT reporting requirements - Traffic planning - Pollution prevention - Maritime safety and security 	R, S, H, V

* Except for real-time streamed data that can be filtered on the basis of the countries' HELCOM AIS data