



Polish Geological Institute
National Research Institute

polish geological survey
polish hydrogeological survey

EZP.26.71.2021.1.21.NM

Warsaw, 9.04.2021

INVITATION TO PARTICIPATE IN PRELIMINARY MARKET CONSULTATION

preceding public procurement procedure for a scientific and research service to be provided within the scope of the Polish exploration license for the Mid-Atlantic Ridge in order to identify the occurrence of seafloor massive sulfide deposits.

I. ORDERING PARTY

*Polish Geological Institute - National
Research Institute, 00-975 Warsaw,
Rakowiecka 4
NIP: 525-000-80-40
REGON: 000332133*

II. LEGAL BASIS

Preliminary market consultations are conducted pursuant to Art. 84 of the Act of 11 September 2019 Public Procurement Law (i.e. Dz. U. /Journal of Laws/ of 2019, item 2019 as amended), hereinafter referred to as the "PPL".

III. AIM AND SUBJECT MATTER OF THE PRELIMINARY MARKET CONSULTATION

The aim of the preliminary market consultation is to prepare the procedure and inform contractors of the procurement plans and requirements. The Ordering Party will expect to receive information specifically on the feasibility, options, time and cost of implementing the scope of the project. Preliminary descriptions of the subject matter/scope of the scientific and research service are enclosed as *Appendix 1 to the Invitation*.

IV. TERMS AND CONDITIONS OF PRELIMINARY MARKET CONSULTATIONS:

To participate in the preliminary market consultation, the party shall provide:

a declaration of performing (at least once (1) in the last five years) a deep-sea (> 1500 m) or mid-ocean ridge prospecting service based on the acquisition and interpretation of geophysical data, including: bathymetric data collected using high-resolution multibeam echosounder (MBES); multispectral backscatter analysis for differentiation of bottom properties; continuous magnetic anomaly analysis; and experience in profiling and acquisition of water column data.

The declaration shall include information about the scope of the research being performed, the aim, the location, and the ordering party. The Ordering Party shall also require submission of evidence that the service has been properly performed, where the evidence referred to are references or other documents prepared by the entity for which the service was performed.

V. PRINCIPLES OF PRELIMINARY MARKET CONSULTATION

1. Preliminary market consultation shall be conducted electronically.
2. Preliminary market consultations are conducted in Polish or English.
3. This Invitation does not constitute an invitation to tender as defined in the Art. 66 of the Act of 23 April 1964 Civil Code (i.e. Dz. U. /Journal of Laws/ of 2020, item 1740 as amended), nor is it a public procurement notice as defined in the PPL Act, particularly not a competitive dialogue procedure.
4. Participating parties shall not receive any remuneration or reimbursement of costs related to their participation in preliminary market consultation, including for providing the consents referred to in paragraph 11 et seq.
5. Preliminary market consultation shall be conducted in a manner that ensures fair competition and treats participants equally. Preliminary market consultation shall be conducted until the Ordering Party, based on the information obtained from the participants of the consultation, is able to determine a scope sufficient to initiate a procurement proceeding, subject to paragraph 6.
6. The Ordering Party reserves the right to terminate the preliminary market consultation at any stage without providing a reason for such action.
7. The Ordering Party, upon completion of the preliminary market consultation, intends to conduct a procurement procedure exempted from the provisions of the Act pursuant to Art. 11, sec. 3 of the PPL.
8. Participation in the preliminary market consultation is not a condition for a participant to compete for being awarded a public contract in the future.
9. In case the information provided to the Ordering Party by participants of the preliminary market consultation is of trade secret status, this fact shall be expressly stated by the providing party.
10. In the event that the information provided to the Ordering Party by the participants of the consultation is established as work as defined in the Act of 4 February 1994 on copyright and related rights (i.e. Dz.U. /Journal of Laws/ 2019.1231) (hereinafter referred to as "work") and the contractor is entitled to copyrights to them or their parts, this circumstance shall be clearly proven in the materials submitted.
11. The Ordering Party reserves the right to use the information, studies and works submitted by the participants of the consultation in whole or in part, as well as to process them in order to develop the tender documentation, including the description of the subject matter, terms and conditions of the contract.
12. Participation in preliminary market consultations is tantamount to granting consent for the Ordering Party to use the information provided to prepare tender documentation, including a description of the subject matter, terms and conditions of the contract. In the case of transferring, in the course of consultations, a work to the Ordering Party, the party transferring this work grants the Ordering Party unconditional and unlimited in time and territory permission to use this work (in whole or in part) for the purpose of preparing tender documentation, including the description of the subject matter, terms and conditions of the contract, as well as permission to exercise derivative copyrights to the work (the disposal and use of the derivative work) and to grant permission to exercise derivative copyright. The Party entering into the consultation shall ensure that the use of the work by the Ordering Party does not violate the rights of third parties.

VI. APPLICATION FOR PARTICIPATION IN PRELIMINARY MARKET CONSULTATION:

1. Entities interested in participating in the consultations, having the experience stated in part IV of the Invitation, are invited to submit a completed and signed "Application for participation in preliminary market consultations", hereinafter referred to as the Application, the form specimen of which constitutes Appendix 2 to this Invitation. The Ordering Party requests that you provide all information contained in the Application.
2. Along with the Application, participants are requested to submit the following documents: the evidence referred to in point IV of the Invitation.

3. Applications may be submitted by email: natalia.mosiadz@pgi.gov.pl (in pdf);

4 Deadline for submission: 7 May 2021 The date of receipt by the Ordering Party is decisive.

VII. CONTACT

In case of questions related to the preliminary market consultation, please contact:

- natalia.mosiadz@pgi.gov.pl;

VIII. APPENDICES:

Appendix no. 1 – Description of the subject matter of the contract,

Appendix no. 2 – Application for participation in preliminary market consultations.

**Dr Mateusz Damrat, Eng.,
DIRECTOR
of the Polish Geological Institute -
National Research Institute**

/digitally signed/

PRELIMINARY DESCRIPTION OF THE SUBJECT MATTER OF THE CONTRACT

within the framework of initial consultations preceding the initiation of Part 1 of the public procurement procedure for the implementation of a comprehensive research survey within the framework of implementing the provisions of the Contract between the Government of the Republic of Poland (Minister of the Environment) and the International Seabed Authority from 2018, covering the exploration of massive polymetallic sulphides on the Mid-Atlantic Ridge - Phase I (Leg I): regional exploration.

Framework

The planned research survey within the Mid-Atlantic Ridge results from the obligation of the Contract on the exploration of polymetallic sulphides signed between the Minister of the Environment of the Republic of Poland and the International Seabed Authority (ISA), signed on 12 February 2018 in London (M.P. of 2018, item 481), in accordance with § 3.3 of the Resolution No. 113 of the Cabinet of Ministers of 25 July 2017 on the establishment of the multiannual programme "Programme of Geological Exploration of the Oceans" - PProGeO (M.P. of 2017, item 774 as amended) and Article 162.2 of the Act of 9 June 2011, Geological and Mining Law (G.G. of 2020, item 1064 as amended).

Introduction

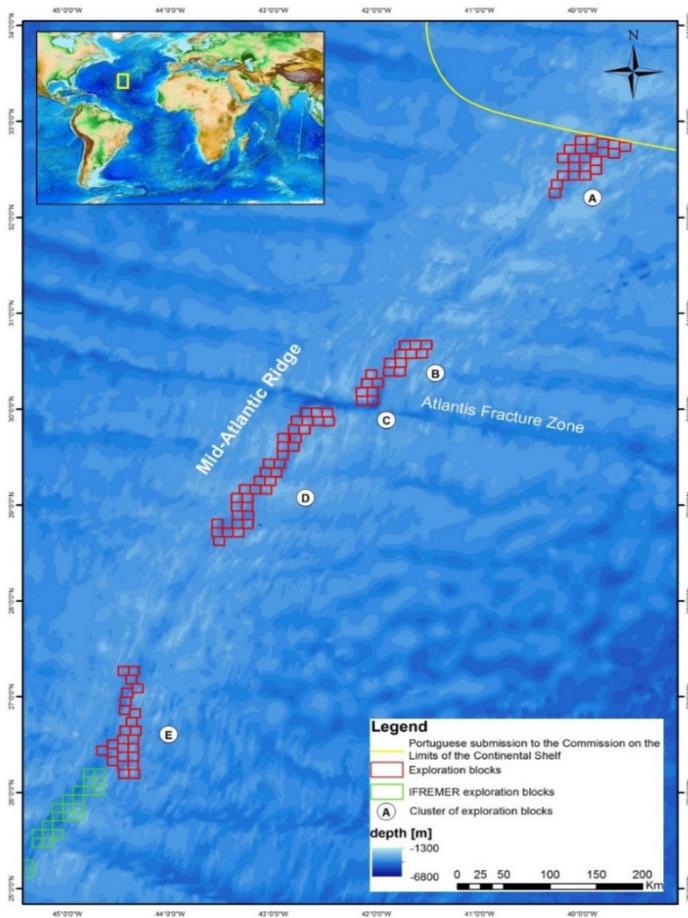
The Polish Geological Institute - National Research Institute (PGI-NRO) for over 100 years has been carrying out tasks in geology for the benefit of the Polish State. The Institute, as a scientific research unit, is engaged in the development of strategic projects concerning the geological structure of the country, the main task of which is to utilise the gathered knowledge for practical purposes for economic advancement and environmental protection. The Institute fulfils the Polish Geological Survey's functions and ensures monitoring of the geological environment, provides early warning of natural hazards and secures national security in mineral resources management.

In view of the above, the Prime Geologist of the Country (Ministry of Climate and Environment of the Republic of Poland) entrusted PGI-NRI with the implementation of preparatory works and organisation of a comprehensive research survey in the Atlantic Ocean, under the provisions and scope of the first five-year term of the Contract with ISA.

1. Research aim. Implementation of the ISA contract

The main objective of the Contract with ISA is to conduct exploration in the area covered by the contract and acquire data to identify prospective areas related to the occurrence of polymetallic massive sulphide deposits (hydrothermally active and inactive), as well as to conduct comprehensive environmental studies (baseline studies), in accordance with regulations and under the control of the ISA. The data and research material collected during the research cruises will be used for the quantitative and qualitative assessment of deep-sea massive sulphide deposits, preliminary evaluation of the discovered deposits' economic potential, and determination of potential exploitation's environmental impact.

The planned activities for the three consecutive five-year exploration periods result from the scheduled activities within three subsequent five-year research periods result from the implementation of the contract research programme approved by the ISA.



2. Exploration Area

The study area is located within the northern part of the Mid-Atlantic Ridge and consists of 100 exploration blocks (each 10x10 km in size) with a total area of 10,000 km² (Fig. 1).

The coordinates of the exploration blocks can be found at the end of this document. The exploration area's depth generally varies between 2500 and 3500 m, with extremes ranging from 800 m to 4700 m. Optimal weather conditions for onboard launch and recovery of exploration equipment are observed between April - October.

Fig. 1. Polish area covered by the Contract with ISA for exploration of massive polymetallic sulphides (red colour).

3. The research plan for the first five-year exploration period (2018 - 2022)

The implementation of the exploration work within the first five-year exploration period anticipates three separate cruises between 2021 and 2022, dedicated to two phases of geophysical and geological exploration, i.e. regional exploration phase (Leg 1) and prospect scale exploration phase (Leg 2), as well as detailed environmental studies phase (Leg 3). Data collected during Leg 1, will be used to select prospective areas to be verified by a detailed high-resolution geophysical survey during Leg 2, which should also provide bottom sediment samples for further geological analysis. Confirmed sites of hydrothermal activity and/or sulphides occurrence (including hydrothermally inactive sites) will constitute research stations for detailed oceanographic and biological studies within Leg 3.

This proceeding and survey description covers the implementation of the first phase of regional exploration (Leg 1), conducted from the shipboard to identify potential areas of hydrothermal activity and massive sulphide occurrences.

4. Duration and feasibility of the Leg 1 phase:

Assumed duration of survey work in the contract area: Leg 1 ~ 30 days (excluding transits);
Leg 1 feasibility: August - December 2021 (Q3- Q4 2021).

5. Port for mobilisation/demobilisation of crew and equipment

Suggested port of mobilisation/demobilisation: Ponta Delgada (Azores, Portugal),
Praia (Sal, Cape Verde)

6. Scope of planned surveys

Leg 1 - regional exploration phase (reconnaissance) - a research cruise to perform:

- remote geophysical surveys of the seabed (in the entire area covered by the Contract with the ISA) to identify the locations of the massive seafloor sulphides (hydrothermally active and inactive)
- remote physico-chemical analyses of the water column to identify hydrothermally active sites (in selected areas of interest)

It is envisaged that the implementation of Leg 1 will take place using a range of shipboard survey methods that should provide data on prospective areas for massive sulphide accumulations and hydrothermal activity within the rift axis, including:

- a. Multibeam echosounder (MBES) with high resolution and high beam density, enabling double swath/ping mode, capable of simultaneous operation at multiple frequencies for multispectral backscatter analysis and Water Column Data acquisition - continuous analysis of the bottom topography and identification of prospective areas/hydrothermal fields (obligatory, entire area)
- b. Magnetic signatures (anomalies) - measurement of magnetic field strength using a magnetometer (towed) allowing data acquisition in parallel with MBES for regional research to identify the prospective areas for polymetallic massive sulphide exploration (entire area);
- c. Gravity signatures (anomalies) - measurement of gravity field strength to identify changes in rock density, thus, identifying prospective areas (optional, entire area);
- d. Physical and chemical properties of water (e.g. oxidation-reduction potential, pH, turbidity, methane concentration) to detect anomalies (hydrothermal activity) (selected sites);
- e. Acoustic Doppler Current Profiler (ADCP) – a regional technique for "imaging" the direction and velocity of ocean currents in the water column, also hydrothermal plumes (optional; selected sites);
- f. Continuous meteorological and water surface observations to identify of marine mammals, birds and turtles (obligatory, entire area).

As a result of the consultation, possible modifications to the methodology adopted are allowed.

7. Ship characteristics

The vessel used for the purposes of the Contract between the Government of the Republic of Poland and the ISA should not be older than 15 years. It should have adequate autonomy and be equipped with all the necessary equipment to carry out the cruise's research tasks and operate in mid-Atlantic waters. The vessel used for the execution of Leg 1 should have fully air-conditioned double cabins with bathroom and toilet (in each living cabin) for at least sixteen scientists/operators, including 12 persons from PGI-PIB and partner institutions. The vessel should have and onboard systems necessary for control and data processing, including dedicated space (survey room), systems for safe data storage, and secure launching/lowering, towing and equipment handling by qualified operators. Systems for bottom and water column data acquisition should be depth rated to a minimum of 4,000 m. The vessel should be equipped with a Dynamic Positioning System (DPS) to explore deep-sea areas and have deck space for at least two (2) containers (ISO 20'). The vessel must have a valid class recognised by a classification society. The ship's condition and equipment must guarantee seaworthiness and operational capability under all situations under all relevant IMO regulations, including MARPOL and SOLAS Conventions.

8. Presence of the Ordering Party representatives on board the vessel

The PGI-NRI reserves the right to have its representatives (or partner institutions) onboard during the expedition (up to 12 persons) for data quality control (client representatives), participation in data

acquisition, processing, reporting, observation and training purposes.

9. Implementation, data delivery and final deliverables:

The planned exploration work must be designed and executed in accordance with the provisions of the Contract with ISA and the guidelines, standards and regulations for area exploration established by ISA, resulting from the provisions of UNCLOS. Activities must be carried out with due regard for the crew's safety, equipment, and maximum environmental protection.

- Within 60 days of crew demobilisation, the contractor should provide the Ordering Party (PGI-NRI) with a comprehensive cruise report, which should include the following data:
 - description of the cruise along with a record of the route, transects, and research stations, including coordinates, range of tasks performed and hourly breakdowns;
 - detailed list of activities carried out on board and in control rooms;
 - reports on the quality control of the collected data and data on the calibration of the equipment;
 - all collected data, raw data, preprocessed data and final processed data, collected during seabed exploration (geophysical data) and water column profiling;
 - generated digital bathymetric maps, colour 3D maps and stereoscopic bottom topographic maps, maps of magnetic and gravity anomalies (free-air anomalies, Bouguer anomalies) at scales 1:10,000, 1:25,000 and 1:50,000, water column profiles with identified anomalies of water physical and chemical properties that could indicate the existence of hydrothermal activity.

The above data should be archived and duly secured during the voyage by the contractor and for min. 90 days after demobilisation.

10. Reservations

The project is financed entirely from public funds and is subject to the Ministry of Climate and Environment's approval and the National Fund for Environmental Protection and Water Management. For this reason, PGI-NRI reserves the right to suspend or discontinue the tender procedure for selecting a contractor for the comprehensive exploration at the Mid-Atlantic Ridge, to change the scope of the studies resulting from the level of the budget, and other unexpected factors beyond the control of PGI-NRI.

The Bidder shall bear the total cost of preparation and delivery of the required documents.

The contractual and non-contractual obligations will be governed by the Law of the Republic of Poland.

In particular, copyright and intellectual property law will be governed by the Law of the Republic of Poland.

List of coordinates describing each of the research block (N = 100)

Cluster	Block no.	Corner	Longitude	Latitude
A	1	1	39° 57.760' W	32° 45.378' N
A	1	2	40° 4.164' W	32° 45.326' N
A	1	3	40° 4.230' W	32° 50.785' N
A	1	4	39° 57.819' W	32° 50.837' N
A	2	1	39° 51.338' W	32° 45.434' N
A	2	2	39° 57.742' W	32° 45.388' N
A	2	3	39° 57.801' W	32° 50.846' N
A	2	4	39° 51.390' W	32° 50.893' N
A	3	1	39° 44.923' W	32° 43.561' N
A	3	2	39° 51.325' W	32° 43.520' N
A	3	3	39° 51.377' W	32° 48.979' N
A	3	4	39° 44.968' W	32° 49.020' N
A	4	1	39° 38.504' W	32° 42.809' N
A	4	2	39° 44.906' W	32° 42.774' N
A	4	3	39° 44.952' W	32° 48.2334' N
A	4	4	39° 38.543' W	32° 48.2648' N
A	5	1	39° 32.100' W	32° 41.481' N
A	5	2	39° 38.501' W	32° 41.451' N
A	5	3	39° 38.540' W	32° 46.910' N
A	5	4	39° 32.133' W	32° 46.940' N
A	6	1	40° 4.092' W	32° 39.868' N
A	6	2	40° 10.489' W	32° 39.810' N
A	6	3	40° 10.561' W	32° 45.268' N
A	6	4	40° 4.157' W	32° 45.326' N
A	7	1	39° 57.673' W	32° 39.909' N
A	7	2	40° 4.071' W	32° 39.857' N
A	7	3	40° 4.136' W	32° 45.316' N
A	7	4	39° 57.732' W	32° 45.368' N
A	8	1	39° 51.277' W	32° 39.963' N
A	8	2	39° 57.675' W	32° 39.917' N
A	8	3	39° 57.734' W	32° 45.375' N
A	8	4	39° 51.329' W	32° 45.422' N
A	9	1	39° 44.888' W	32° 38.125' N
A	9	2	39° 51.284' W	32° 38.085' N
A	9	3	39° 51.336' W	32° 43.543' N
A	9	4	39° 44.934' W	32° 43.584' N
A	10	1	39° 38.470' W	32° 37.347' N
A	10	2	39° 44.865' W	32° 37.312' N
A	10	3	39° 44.910' W	32° 42.771' N
A	10	4	39° 38.509' W	32° 42.806' N

Cluster	Block no.	Corner	Longitude	Latitude
A	11	1	40° 8.177' W	32° 34.370' N
A	11	2	40° 14.567' W	32° 34.310' N
A	11	3	40° 14.643' W	32° 39.768' N
A	11	4	40° 8.246' W	32° 39.828' N
A	12	1	40° 1.788' W	32° 34.422' N
A	12	2	40° 8.179' W	32° 34.367' N
A	12	3	40° 8.248' W	32° 39.826' N
A	12	4	40° 1.850' W	32° 39.881' N
A	13	1	39° 55.391' W	32° 34.468' N
A	13	2	40° 1.782' W	32° 34.418' N
A	13	3	40° 1.845' W	32° 39.876' N
A	13	4	39° 55.447' W	32° 39.926' N
A	14	1	39° 48.987' W	32° 32.629' N
A	14	2	39° 55.377' W	32° 32.585' N
A	14	3	39° 55.433' W	32° 38.044' N
A	14	4	39° 49.037' W	32° 38.088' N
A	15	1	40° 1.721' W	32° 28.967' N
A	15	2	40° 8.106' W	32° 28.912' N
A	15	3	40° 8.175' W	32° 34.371' N
A	15	4	40° 1.784' W	32° 34.426' N
A	16	1	39° 55.335' W	32° 29.006' N
A	16	2	40° 1.720' W	32° 28.956' N
A	16	3	40° 1.783' W	32° 34.415' N
A	16	4	39° 55.391' W	32° 34.465' N
A	17	1	39° 48.935' W	32° 27.158' N
A	17	2	39° 55.318' W	32° 27.114' N
A	17	3	39° 55.373' W	32° 32.573' N
A	17	4	39° 48.984' W	32° 32.617' N
A	18	1	40° 8.037' W	32° 23.459' N
A	18	2	40° 14.415' W	32° 23.399' N
A	18	3	40° 14.490' W	32° 28.857' N
A	18	4	40° 8.105' W	32° 28.917' N
A	19	1	40° 1.661' W	32° 23.507' N
A	19	2	40° 8.039' W	32° 23.452' N
A	19	3	40° 8.107' W	32° 28.911' N
A	19	4	40° 1.723' W	32° 28.966' N
A	20	1	39° 55.282' W	32° 23.551' N
A	20	2	40° 1.661' W	32° 23.501' N
A	20	3	40° 1.723' W	32° 28.960' N
A	20	4	39° 55.338' W	32° 29.009' N
A	21	1	40° 11.558' W	32° 17.967' N
A	21	2	40° 17.930' W	32° 17.904' N
A	21	3	40° 18.008' W	32° 23.362' N

Cluster	Block no.	Corner	Longitude	Latitude
A	21	4	40° 11.630' W	32° 23.425' N
A	22	1	40° 12.848' W	32° 12.495' N
A	22	2	40° 19.213' W	32° 12.432' N
A	22	3	40° 19.292' W	32° 17.890' N
A	22	4	40° 12.921' W	32° 17.954' N
B	23	1	41° 40.339' W	30° 37.319' N
B	23	2	41° 46.592' W	30° 37.188' N
B	23	3	41° 46.749' W	30° 42.642' N
B	23	4	41° 40.489' W	30° 42.774' N
B	24	1	41° 34.080' W	30° 37.442' N
B	24	2	41° 40.334' W	30° 37.316' N
B	24	3	41° 40.484' W	30° 42.771' N
B	24	4	41° 34.225' W	30° 42.898' N
B	25	1	41° 27.835' W	30° 37.564' N
B	25	2	41° 34.089' W	30° 37.443' N
B	25	3	41° 34.234' W	30° 42.898' N
B	25	4	41° 27.973' W	30° 43.020' N
B	26	1	41° 42.893' W	30° 31.804' N
B	26	2	41° 49.140' W	30° 31.671' N
B	26	3	41° 49.298' W	30° 37.125' N
B	26	4	41° 43.045' W	30° 37.259' N
B	27	1	41° 36.646' W	30° 31.930' N
B	27	2	41° 42.893' W	30° 31.803' N
B	27	3	41° 43.045' W	30° 37.258' N
B	27	4	41° 36.792' W	30° 37.386' N
B	28	1	41° 30.401' W	30° 32.051' N
B	28	2	41° 36.650' W	30° 31.928' N
B	28	3	41° 36.796' W	30° 37.383' N
B	28	4	41° 30.542' W	30° 37.507' N
B	29	1	41° 48.979' W	30° 26.224' N
B	29	2	41° 55.219' W	30° 26.087' N
B	29	3	41° 55.382' W	30° 31.541' N
B	29	4	41° 49.136' W	30° 31.678' N
B	30	1	41° 42.743' W	30° 26.348' N
B	30	2	41° 48.984' W	30° 26.216' N
B	30	3	41° 49.141' W	30° 31.670' N
B	30	4	41° 42.894' W	30° 31.803' N
C	31	1	41° 59.811' W	30° 19.081' N
C	31	2	42° 6.043' W	30° 18.936' N
C	31	3	42° 6.216' W	30° 24.389' N
C	31	4	41° 59.978' W	30° 24.535' N
C	32	1	41° 49.509' W	30° 20.750' N
C	32	2	41° 55.744' W	30° 20.613' N



Cluster	Block no.	Corner	Longitude	Latitude
C	32	3	41° 55.907' W	30° 26.067' N
C	32	4	41° 49.666' W	30° 26.205' N
B	33	1	41° 43.272' W	30° 20.884' N
B	33	2	41° 49.507' W	30° 20.752' N
B	33	3	41° 49.664' W	30° 26.206' N
B	33	4	41° 43.423' W	30° 26.339' N
C	34	1	42° 2.376' W	30° 13.568' N
C	34	2	42° 8.602' W	30° 13.421' N
C	34	3	42° 8.776' W	30° 18.874' N
C	34	4	42° 2.544' W	30° 19.021' N
C	35	1	41° 56.138' W	30° 13.710' N
C	35	2	42° 2.364' W	30° 13.568' N
C	35	3	42° 2.533' W	30° 19.022' N
C	35	4	41° 56.300' W	30° 19.165' N
C	36	1	42° 5.414' W	30° 8.039' N
C	36	2	42° 11.634' W	30° 7.890' N
C	36	3	42° 11.810' W	30° 13.343' N
C	36	4	42° 5.584' W	30° 13.493' N
C	37	1	41° 59.194' W	30° 8.178' N
C	37	2	42° 5.414' W	30° 8.034' N
C	37	3	42° 5.585' W	30° 13.487' N
C	37	4	41° 59.358' W	30° 13.632' N
C	38	1	42° 5.248' W	30° 2.586' N
C	38	2	42° 11.462' W	30° 2.437' N
C	38	3	42° 11.638' W	30° 7.890' N
C	38	4	42° 5.418' W	30° 8.039' N
C	39	1	41° 59.022' W	30° 2.726' N
C	39	2	42° 5.237' W	30° 2.583' N
C	39	3	42° 5.407' W	30° 8.036' N
C	39	4	41° 59.186' W	30° 8.180' N
D	40	1	42° 38.076' W	29° 55.214' N
D	40	2	42° 44.287' W	29° 55.323' N
D	40	3	42° 44.165' W	30° 0.734' N
D	40	4	42° 37.948' W	30° 0.624' N
D	41	1	42° 31.866' W	29° 55.100' N
D	41	2	42° 38.076' W	29° 55.214' N
D	41	3	42° 37.948' W	30° 0.624' N
D	41	4	42° 31.732' W	30° 0.510' N
D	42	1	42° 25.656' W	29° 54.982' N
D	42	2	42° 31.866' W	29° 55.100' N
D	42	3	42° 31.732' W	30° 0.510' N
D	42	4	42° 25.517' W	30° 0.391' N
D	43	1	42° 43.358' W	29° 49.899' N



Cluster	Block no.	Corner	Longitude	Latitude
D	43	2	42° 49.564' W	29° 50.004' N
D	43	3	42° 49.446' W	29° 55.415' N
D	43	4	42° 43.235' W	29° 55.310' N
D	44	1	42° 37.153' W	29° 49.790' N
D	44	2	42° 43.358' W	29° 49.899' N
D	44	3	42° 43.235' W	29° 55.310' N
D	44	4	42° 37.024' W	29° 55.200' N
D	45	1	42° 30.948' W	29° 49.675' N
D	45	2	42° 37.153' W	29° 49.790' N
D	45	3	42° 37.024' W	29° 55.200' N
D	45	4	42° 30.814' W	29° 55.085' N
D	46	1	42° 24.744' W	29° 49.556' N
D	46	2	42° 30.948' W	29° 49.675' N
D	46	3	42° 30.814' W	29° 55.085' N
D	46	4	42° 24.604' W	29° 54.965' N
D	47	1	42° 44.959' W	29° 44.524' N
D	47	2	42° 51.159' W	29° 44.627' N
D	47	3	42° 51.043' W	29° 50.038' N
D	47	4	42° 44.837' W	29° 49.935' N
D	48	1	42° 38.759' W	29° 44.411' N
D	48	2	42° 44.959' W	29° 44.519' N
D	48	3	42° 44.838' W	29° 49.930' N
D	48	4	42° 38.632' W	29° 49.822' N
D	49	1	42° 51.274' W	29° 39.209' N
D	49	2	42° 57.470' W	29° 39.307' N
D	49	3	42° 57.360' W	29° 44.719' N
D	49	4	42° 51.159' W	29° 44.620' N
D	50	1	42° 44.014' W	29° 39.091' N
D	50	2	42° 50.209' W	29° 39.194' N
D	50	3	42° 50.093' W	29° 44.606' N
D	50	4	42° 43.892' W	29° 44.502' N
D	51	1	42° 51.389' W	29° 33.798' N
D	51	2	42° 57.579' W	29° 33.895' N
D	51	3	42° 57.470' W	29° 39.307' N
D	51	4	42° 51.275' W	29° 39.209' N
D	52	1	42° 45.200' W	29° 33.698' N
D	52	2	42° 51.389' W	29° 33.800' N
D	52	3	42° 51.274' W	29° 39.211' N
D	52	4	42° 45.080' W	29° 39.109' N
D	53	1	42° 51.503' W	29° 28.386' N
D	53	2	42° 57.688' W	29° 28.484' N
D	53	3	42° 57.579' W	29° 33.895' N
D	53	4	42° 51.389' W	29° 33.798' N



Cluster	Block no.	Corner	Longitude	Latitude
D	54	1	42° 59.667' W	29° 23.104' N
D	54	2	43° 5.847' W	29° 23.195' N
D	54	3	43° 5.746' W	29° 28.607' N
D	54	4	42° 59.561' W	29° 28.516' N
D	55	1	42° 53.488' W	29° 23.009' N
D	55	2	42° 59.667' W	29° 23.104' N
D	55	3	42° 59.561' W	29° 28.516' N
D	55	4	42° 53.376' W	29° 28.420' N
D	56	1	43° 1.378' W	29° 17.716' N
D	56	2	43° 7.553' W	29° 17.805' N
D	56	3	43° 7.454' W	29° 23.218' N
D	56	4	43° 1.274' W	29° 23.128' N
D	57	1	42° 55.204' W	29° 17.622' N
D	57	2	43° 1.378' W	29° 17.716' N
D	57	3	43° 1.274' W	29° 23.128' N
D	57	4	42° 55.095' W	29° 23.034' N
D	58	1	43° 4.982' W	29° 12.354' N
D	58	2	43° 11.151' W	29° 12.440' N
D	58	3	43° 11.056' W	29° 17.852' N
D	58	4	43° 4.881' W	29° 17.766' N
D	59	1	42° 58.813' W	29° 12.263' N
D	59	2	43° 4.982' W	29° 12.354' N
D	59	3	43° 4.881' W	29° 17.766' N
D	59	4	42° 58.707' W	29° 17.675' N
D	60	1	43° 13.587' W	29° 7.060' N
D	60	2	43° 19.751' W	29° 7.139' N
D	60	3	43° 19.663' W	29° 12.552' N
D	60	4	43° 13.494' W	29° 12.473' N
D	61	1	43° 7.423' W	29° 6.976' N
D	61	2	43° 13.587' W	29° 7.060' N
D	61	3	43° 13.494' W	29° 12.473' N
D	61	4	43° 7.324' W	29° 12.388' N
D	62	1	43° 1.252' W	29° 6.886' N
D	62	2	43° 7.416' W	29° 6.974' N
D	62	3	43° 7.317' W	29° 12.387' N
D	62	4	43° 1.148' W	29° 12.298' N
D	63	1	43° 18.246' W	29° 1.703' N
D	63	2	43° 24.406' W	29° 1.778' N
D	63	3	43° 24.322' W	29° 7.192' N
D	63	4	43° 18.158' W	29° 7.116' N
D	64	1	43° 12.087' W	29° 1.623' N
D	64	2	43° 18.246' W	29° 1.703' N
D	64	3	43° 18.158' W	29° 7.116' N



Cluster	Block no.	Corner	Longitude	Latitude
D	64	4	43° 11.993' W	29° 7.036' N
D	65	1	43° 18.335' W	28° 56.275' N
D	65	2	43° 24.489' W	28° 56.351' N
D	65	3	43° 24.406' W	29° 1.764' N
D	65	4	43° 18.247' W	29° 1.689' N
D	66	1	43° 12.181' W	28° 56.196' N
D	66	2	43° 18.335' W	28° 56.275' N
D	66	3	43° 18.247' W	29° 1.689' N
D	66	4	43° 12.088' W	29° 1.609' N
D	67	1	43° 17.823' W	28° 50.858' N
D	67	2	43° 23.971' W	28° 50.933' N
D	67	3	43° 23.888' W	28° 56.347' N
D	67	4	43° 17.734' W	28° 56.271' N
D	68	1	43° 11.676' W	28° 50.778' N
D	68	2	43° 17.824' W	28° 50.858' N
D	68	3	43° 17.736' W	28° 56.271' N
D	68	4	43° 11.582' W	28° 56.191' N
D	69	1	43° 29.558' W	28° 45.582' N
D	69	2	43° 35.702' W	28° 45.648' N
D	69	3	43° 35.629' W	28° 51.062' N
D	69	4	43° 29.480' W	28° 50.996' N
D	70	1	43° 17.909' W	28° 45.450' N
D	70	2	43° 24.052' W	28° 45.525' N
D	70	3	43° 23.970' W	28° 50.938' N
D	70	4	43° 17.821' W	28° 50.863' N
D	71	1	43° 11.766' W	28° 45.370' N
D	71	2	43° 17.909' W	28° 45.450' N
D	71	3	43° 17.821' W	28° 50.863' N
D	71	4	43° 11.673' W	28° 50.783' N
D	72	1	43° 29.636' W	28° 40.170' N
D	72	2	43° 35.775' W	28° 40.236' N
D	72	3	43° 35.703' W	28° 45.650' N
D	72	4	43° 29.559' W	28° 45.584' N
D	73	1	43° 23.498' W	28° 40.100' N
D	73	2	43° 29.636' W	28° 40.170' N
D	73	3	43° 29.559' W	28° 45.584' N
D	73	4	43° 23.415' W	28° 45.513' N
D	74	1	43° 17.360' W	28° 40.024' N
D	74	2	43° 23.498' W	28° 40.100' N
D	74	3	43° 23.415' W	28° 45.513' N
D	74	4	43° 17.271' W	28° 45.438' N
D	75	1	43° 28.672' W	28° 34.745' N
D	75	2	43° 34.806' W	28° 34.812' N



Cluster	Block no.	Corner	Longitude	Latitude
D	75	3	43° 34.733' W	28° 40.226' N
D	75	4	43° 28.594' W	28° 40.159' N
E	76	1	44° 24.216' W	27° 13.474' N
E	76	2	44° 30.275' W	27° 13.498' N
E	76	3	44° 30.251' W	27° 18.914' N
E	76	4	44° 24.187' W	27° 18.891' N
E	77	1	44° 18.157' W	27° 13.447' N
E	77	2	44° 24.216' W	27° 13.475' N
E	77	3	44° 24.187' W	27° 18.891' N
E	77	4	44° 18.123' W	27° 18.863' N
E	78	1	44° 19.739' W	27° 8.040' N
E	78	2	44° 25.794' W	27° 8.066' N
E	78	3	44° 25.766' W	27° 13.483' N
E	78	4	44° 19.707' W	27° 13.456' N
E	79	1	44° 15.986' W	27° 2.603' N
E	79	2	44° 22.035' W	27° 2.632' N
E	79	3	44° 22.005' W	27° 8.049' N
E	79	4	44° 15.951' W	27° 8.019' N
E	80	1	44° 22.051' W	26° 59.736' N
E	80	2	44° 28.098' W	26° 59.761' N
E	80	3	44° 28.073' W	27° 5.178' N
E	80	4	44° 22.021' W	27° 5.153' N
E	81	1	44° 23.066' W	26° 54.323' N
E	81	2	44° 29.108' W	26° 54.347' N
E	81	3	44° 29.083' W	26° 59.764' N
E	81	4	44° 23.036' W	26° 59.740' N
E	82	1	44° 23.545' W	26° 48.909' N
E	82	2	44° 29.582' W	26° 48.933' N
E	82	3	44° 29.558' W	26° 54.350' N
E	82	4	44° 23.516' W	26° 54.326' N
E	83	1	44° 17.515' W	26° 46.908' N
E	83	2	44° 23.550' W	26° 46.936' N
E	83	3	44° 23.521' W	26° 52.353' N
E	83	4	44° 17.481' W	26° 52.325' N
E	84	1	44° 19.517' W	26° 41.499' N
E	84	2	44° 25.547' W	26° 41.525' N
E	84	3	44° 25.520' W	26° 46.943' N
E	84	4	44° 19.485' W	26° 46.916' N
E	85	1	44° 23.231' W	26° 36.102' N
E	85	2	44° 29.258' W	26° 36.126' N
E	85	3	44° 29.233' W	26° 41.543' N
E	85	4	44° 23.202' W	26° 41.519' N
E	86	1	44° 17.206' W	26° 36.074' N



Cluster	Block no.	Corner	Longitude	Latitude
E	86	2	44° 23.231' W	26° 36.102' N
E	86	3	44° 23.202' W	26° 41.519' N
E	86	4	44° 17.172' W	26° 41.491' N
E	87	1	44° 24.558' W	26° 30.695' N
E	87	2	44° 30.579' W	26° 30.718' N
E	87	3	44° 30.556' W	26° 36.135' N
E	87	4	44° 24.530' W	26° 36.112' N
E	88	1	44° 18.536' W	26° 30.668' N
E	88	2	44° 24.558' W	26° 30.695' N
E	88	3	44° 24.530' W	26° 36.112' N
E	88	4	44° 18.504' W	26° 36.085' N
E	89	1	44° 30.584' W	26° 27.701' N
E	89	2	44° 36.603' W	26° 27.720' N
E	89	3	44° 36.585' W	26° 33.137' N
E	89	4	44° 30.561' W	26° 33.119' N
E	90	1	44° 24.585' W	26° 25.282' N
E	90	2	44° 30.602' W	26° 25.305' N
E	90	3	44° 30.579' W	26° 30.722' N
E	90	4	44° 24.557' W	26° 30.699' N
E	91	1	44° 18.569' W	26° 25.255' N
E	91	2	44° 24.585' W	26° 25.282' N
E	91	3	44° 24.557' W	26° 30.699' N
E	91	4	44° 18.536' W	26° 30.672' N
E	92	1	44° 36.612' W	26° 23.534' N
E	92	2	44° 42.628' W	26° 23.549' N
E	92	3	44° 42.614' W	26° 28.966' N
E	92	4	44° 36.594' W	26° 28.952' N
E	93	1	44° 30.607' W	26° 22.284' N
E	93	2	44° 36.621' W	26° 22.302' N
E	93	3	44° 36.603' W	26° 27.720' N
E	93	4	44° 30.584' W	26° 27.701' N
E	94	1	44° 24.613' W	26° 19.864' N
E	94	2	44° 30.625' W	26° 19.887' N
E	94	3	44° 30.602' W	26° 25.305' N
E	94	4	44° 24.585' W	26° 25.282' N
E	95	1	44° 18.601' W	26° 19.838' N
E	95	2	44° 24.613' W	26° 19.864' N
E	95	3	44° 24.585' W	26° 25.282' N
E	95	4	44° 18.569' W	26° 25.255' N
E	96	1	44° 30.630' W	26° 16.866' N
E	96	2	44° 36.640' W	26° 16.885' N
E	96	3	44° 36.621' W	26° 22.302' N
E	96	4	44° 30.607' W	26° 22.284' N



Cluster	Block no.	Corner	Longitude	Latitude
E	97	1	44° 24.640' W	26° 14.447' N
E	97	2	44° 30.647' W	26° 14.470' N
E	97	3	44° 30.625' W	26° 19.887' N
E	97	4	44° 24.613' W	26° 19.864' N
E	98	1	44° 18.633' W	26° 14.420' N
E	98	2	44° 24.640' W	26° 14.447' N
E	98	3	44° 24.613' W	26° 19.864' N
E	98	4	44° 18.601' W	26° 19.838' N
E	99	1	44° 24.043' W	26° 9.020' N
E	99	2	44° 30.046' W	26° 9.043' N
E	99	3	44° 30.023' W	26° 14.461' N
E	99	4	44° 24.016' W	26° 14.438' N
E	100	1	44° 18.041' W	26° 8.993' N
E	100	2	44° 24.043' W	26° 9.020' N
E	100	3	44° 24.016' W	26° 14.438' N
E	100	4	44° 18.008' W	26° 14.411' N

Appendix no. 2 – Application for participation in preliminary market consultations.

.....
(company stamp of the contractor)

Polish Geological Institute -
National Research Institute,
00-975 Warsaw, Rakowiecka 4

APPLICATION FOR PARTICIPATION IN PRELIMINARY MARKET CONSULTATION
preceding public procurement procedure for a scientific and research service to be provided within the
scope of the Polish exploration license for the Mid-Atlantic Ridge in order
to identify the occurrence of seafloor massive sulfide deposits

I. PARTICIPANT INFORMATION¹

.....
..... (name and address)

Tel.:

E-mail:

II. CONTACT

.....
(first and last name)

Tel.:

E-mail:

III. TERMS AND CONDITIONS FOR PARTICIPATION IN THE PRELIMINARY MARKET CONSULTATION:

In response to the invitation to participate in the preliminary market consultation, I am pleased to inform you that the entity I represent meet the requirements set by the Ordering Party as outlined in Section IV of this Invitation, i.e.

Activity name:

Scope of work:

Entity for which work was performed:

Completion date (from-to):

IV. ADDITIONAL INFORMATION – SUGGESTIONS:

1. The survey, technical and ICT solutions to meet the research objectives, including general vessel specifications:

.....
2. Financing - amount and date of reception of the advance payment, term of payment for the whole contract:

.....
3. Estimates of the total cost of the subject matter of the contract including its components:

.....
4. Possible start date (availability of vessel, equipment, crew and weather conditions)

.....
5. Estimated lead time (mobilisation, cruise length, number of acquisition days, demobilisation, transits)

.....
6. Remarks concerning the preliminary description of the subject matter of the contract (e.g.

¹ If several entities apply for participation in consultations jointly, a representative of all these entities must be indicated.

suggested solutions in terms of research methodology, methods of carrying out research and additional suggestions):

7. Conditions of participation of the representatives of PGI-NRI, partner institutes, representatives of the client in the research cruise, including participation in data acquisition, processing and interpretation (certificates, courses, etc.)
8. Provision of a preliminary schedule for the project (mobilisation, transit, area surveys, transit, demobilisation, data transfer, reporting, etc.)
9. Submission of a proposal for terms and conditions of participation in the procedure concerning:
 - a) being authorised to conduct specific activities or actions if the law requires such authorisation:
 - b) possessing knowledge and experience:
 - c) having technical and personal means that are sufficient to perform the contract (e.g. the size of the implementation team; the knowledge, qualifications, and experience of the team members):
 - d) economics and finances:
10. Proposed description of the criteria for evaluation of tenders, together with the significance of these criteria and the method of evaluation.
11. Submission of a contract specimen for the provision of comprehensive services within the scope resulting from the contract description.

V CONSENT FOR USE OF INFORMATION PROVIDED:

I hereby agree that the information provided may be used to prepare the tender documentation, including the description of the subject matter and the specification of the terms and conditions of the contract.

In the case of transferring to the Ordering Party, in the course of preliminary market consultation, a work as defined in the Act of 4 February 1994 on copyright and related rights, we hereby grant the Ordering Party unconditional and unlimited in time and territory permission to use this work (in whole or in part) for the purpose of preparing the tender documentation (non-exclusive licence), including the description of the subject matter, terms and conditions of the contract, as well as permission to exercise derivative copyrights to the work (the disposal and use of the derivative work) and to grant permission to exercise derivative copyright. We ensure that the use of the work by the Ordering Party shall not violate the rights of third parties.

In accordance with Art. 13 sec. 1 and 2 of the Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation) (Official Journal) of the European Union 119 of 4 May 2016, p. 1) (hereinafter referred to as "GDPR") we inform that:

- the controller of your personal data is the Polish Geological Institute - National Research Institute, Rakowiecka 4, 00-975 Warsaw, tel. (+48) 22 45 92 000, fax. tel. (+48) 22 45 92 001, email: biuro@pgi.gov.pl
- the controller has appointed the Inspector for the Protection of Personal Data, whom you might contact about issues concerning personal data protection and processing via e-mail: iod@pgi.gov.pl or by sending a letter to the Polish Geological Institute – National Research Institute address
- Your personal data shall be processed pursuant to Art. 6 sec. 1 c of the RODO for purposes related to the consultation. The personal data shall also be processed in order to perform a task carried out in

the public interest (legal basis Art. 6 sec. 1 e of the GDPR), for archival purposes in view of the legitimate interest of protection and storage of personal data in the event of a legal need to prove grounds (legal basis Art. 6 sec. 1 f of the GDPR) and for the purposes of establishing, investigating or defending against claims that may arise in connection with a public procurement procedure (legal basis Art. 6 sec. 1 (f) of the GDPR). Moreover, for the Contractor with whom the agreement will be signed, the legal basis for personal data processing will be Art. 6 sec. 1 b of the GDPR, because processing will be necessary to fulfil this agreement.

- The recipients of your personal data will be the persons or entities to whom the documentation of the procedure will be made available under the Art. 18 and Art. 74 sec. 1 of the PPL. In addition, your personal data may also be accessed by entities that process personal data on behalf of PGI-NRI, i.e. entities providing legal assistance, IT, delivery, postal, archiving and document destruction services. Your personal data may also be shared with other entities if such an obligation arises from the law.
- Your personal data will be stored, according to Art. 78 sec. 1 of the PPL for 4 years from the date of termination of the public procurement procedure. When the duration of the agreement exceeds 4 years, the storage period covers the period of the agreement. In case of concluding an agreement with the Contractor, their personal data will be stored for the duration of this agreement, until the expiry of claims related to the contractual obligations, unless a longer processing period is necessary in cases required by law.
- The obligation for you to provide personal data that concern you directly is a statutory requirement specified in the provision of the PPL, related to participation in public procurement procedures; the consequences of not providing the data are described in the PPL
- In relation to your personal data, decisions will not be made in an automated manner, pursuant to Art. 22 of the GDPR
- You have the right to:
 - pursuant to Art. 15 of the GDPR, access your personal data;
 - pursuant to Art. 16 of the GDPR, the right to rectify your personal data*;
 - pursuant to Art. 18 of the GDPR, the right to require the controller to restrict the processing of personal data, subject to the cases referred to in Art. 18 2 of the GDPR **;
 - You have the right to lodge a complaint to the President of the Office for Personal Data Protection, if you consider that the processing of your personal data concerning you violates the provisions of the GDPR;
- You are not entitled to:
 - in connection with Art. 17 sec. 3 b, d or e of GDPR the right to erasure personal data;
 - the right to personal data portability referred to in Art. 20 of the GDPR;
 - pursuant to Art. 21 of the GDPR, the right to object to the processing of personal data, as the legal basis for the processing of your legal data is Art. 6 sec. 1 c of the GDPR.
-
- At the same time, the Ordering Party reminds you of your obligation to provide information under Art. 14 of the GDPR to natural persons whose data will be provided to the Ordering Party connected with the proceedings and which the Ordering Party indirectly obtains from a participant taking part in the consultation, unless at least one of the exemptions referred to in Art. 14(5) of the GDPR applies.

.....
(date and signature)