

NCIA Request for Information (RFI)

To: See Distribution List (Annex B) & Industry Partners

**Subject: GEOAI SOLUTIONS TO SUPPORT SELECTED NATO
USE CASES**

RFI-187262-GEOAI

1. The NATO Communications and Information Agency (NCIA) is conducting market research to identify qualified vendors and gather input on potential solutions to support selected operational Geospatial Intelligence (GeoInt) use cases with Geospatial Artificial Intelligence (GeoAI) feature extraction technology. To that end, we are issuing the attached Request for Information (RFI) RFI-187262-GEOAI to solicit feedback from capable and interested industry partners.
2. The NCI Agency requests the assistance of the Nations and their Industry to identify potential Service Providers that can meet or exceed all requirements under the scope of this project.
3. This RFI is issued for planning purposes only and is not a request for bids. It is part of NCIA's effort to ensure it has a clear understanding of the marketplace and available capabilities and prepare potential acquisition strategies.
4. NCIA requests the broadest possible dissemination by the NATO Nations of this Market Survey - Request for Information ("RFI") to their qualified and interested industrial base.
5. This is a Request for Information (RFI). It is NOT a solicitation for proposals nor a pre-solicitation notice.
6. At this stage, clarification requests or any further questions are not accepted in return. NCI Agency reserves the right to invite respondents to explain their proposed tools.
7. Respondents are requested to await further instructions after submission of their responses regarding any potential future bidding process, and are requested to contact only the NCI Agency POC identified below in Paragraph H with any further requests for information or clarification.
8. Any response to this Request for Information shall be provided on a cost-free voluntary basis.
9. Not responding will not prejudice or cause the exclusion of companies from any future procurement that may arise from this Market Survey RFI. Responses to this request, and any information provided within the context of this survey, including but not limited to pricing, quantities, capabilities, functionalities and requirements will be considered as information only and will not constitute a commitment or obligation on the part of NCIA/NATO to enter into any procurement process or make any purchase

10. We value your insight and invite you to share corporate capabilities and experience relevant to the stated operational requirements.
11. Submission instructions and additional details can be found in the enclosure to this RFI.
12. Only companies from a NATO member country can participate in or respond to this RFI (https://www.nato.int/cps/en/natohq/nato_countries.htm).
13. Should you have any questions or need clarification, please contact Emira Kapetanovic at RFI-187262-GEOAI@ncia.nato.int.
14. We thank you in advance for your time and input, and we look forward to engaging with you as we shape this potential acquisition.

For the Chief of Acquisition:

Emira Kapetanovic
Principal Contracting Assistant

Enclosure:

- Request for Information with Annex A
- Distribution List

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REQUEST FOR INFORMATION

A. Introduction

1. The NATO Communications and Information Agency (NCIA) is conducting market research to identify potential sources and gather information regarding industry capabilities to identify the availability and technical capability of all qualified NATO nation businesses that can provide the services described in this announcement. This Request for Information (RFI) is issued solely for informational purposes and does not constitute a Request for Proposal (RFP), Request for Quotation (RFQ), or invitation for bid.

B. Purpose

1. The purpose of this RFI is to obtain input from industry to help inform the NCIA's acquisition planning. Responses to this RFI will assist in refining requirements, identifying capabilities, and shaping the strategy for any future solicitation.

C. Background

1. The Joint Intelligence, Surveillance and Reconnaissance (JISR) Centre within NCIA provides full life cycle support of all assigned JISR services within NATO. In this context, the Geospatial, Meteorology and Oceanography (GeoMetOc) Branch within JISR is responsible for the Core Geographic Information System (CoreGIS) Application Service that provides both ACO customers as well as NATO Nations with a suite of geospatial data, services and products that ensure all phases of military operations are conducted on the same geospatial reference. The CoreGIS Application Service is Commercial-off-the-Shelf (COTS) based and uses the Esri ArcGIS software product suite in a NATO-specific configuration.
2. Geospatial data typically consists of any raster (e.g. maps or imagery) and vector (e.g. transportation, infrastructure, land cover, etc.) data that is relevant for NATO to fulfil its mission.
3. This project is specifically aiming to identify suitable solutions and tools for (semi-) automated 2D and 3D vector feature extraction and classification from geospatial source datasets using GeoAI technology to stated use cases to ultimately support provision of actionable intelligence.
4. Potential solutions should support at least one of the following six predefined operational use cases and enable the relevant feature extraction, ideally through the use of machine learning, deep learning and/or natural language processing:
 - a. **Roads:** Extraction of roads with width, number of lanes, building material, and condition.
 - b. **Railroads:** Extraction of railroads including track gauge, tunnels, stations, and transfer points.
 - c. **Bridges:** Extraction of bridges with likely use (road, railroad, other), type, number of spans, width, height, condition, and material
 - d. **Building footprints:** Extraction of building footprints including number of floors and estimated volume.

- e. **Building material:** Identification of building material for man-made features (e.g. buildings, bridges, etc.).
 - f. **Terrain & soil:** Terrain classification and soil composition for terrain analysis.
5. This survey focuses on identifying solutions that consider imagery and geospatial data types, including but not limited to the following:
 - High-resolution: ~ 20-30cm optical imagery
 - High-resolution: ~ 20-30cm optical stereo imagery
 - SAR imagery
 - Infrared imagery
 - Geospatially enabled video (Full motion Video (FMV))
 - Point cloud data
 - Text with geospatial aspects.
6. NCIA reserves the right to use the returns of this survey in any related work internally and to follow up on any information emerging from this survey.
7. Interoperability with NATO's CoreGIS and other existing systems, integration with its networks as well as compliance with governance, security regulations and relevant STANAGs are important considerations, together with compliance to common industry standards.

D. Submission Instructions

1. Interested parties are invited to respond in accordance with the instructions below:
 - a. Submit responses via the linked Microsoft Forms survey (Annex A) no later than **17:30 hours Central European Time (CET) on 23 June 2026.**
 - b. Responses should be submitted in the linked Microsoft Forms survey (Annex A) and aim to be kept concise, ideally not exceeding four sentences per question.
 - c. All responses should address the items listed in the linked Microsoft Forms survey at Annex A (Link: [NCIA Request for Information \(RFI\)](#)).

E. Industry Engagement (Optional)

1. The Agency may request a demonstration of the described solution. Respondents will be contacted if such a demonstration is desirable to make further arrangements. Respondents are requested to await further instructions after their submissions and are requested not to contact directly any NCI Agency staff other than the POC identified below in Paragraph H.
2. Interactive demonstration, capabilities, functionalities will be considered as indicative and informational only and will not be considered as binding on the participant or on NATO within the context of any future acquisition.

3. If requested, companies should be willing to provide this demo free of charge to NCI Agency.

F. Disclaimer

1. This RFI is for planning and informational purposes only and shall not be construed as a solicitation or obligation on the part of the NCIA. The NCIA does not intend to award a contract based on responses to this RFI. Respondents are solely responsible for all costs incurred in responding to this RFI. The NCIA will consider and analyse all information received from this RFI to share results within a report and may use these findings to develop a future solicitation.
2. NCIA reserves the right, at any time, to cancel this informal market survey, partially or in its entirety. No legal liability on the part of NCIA for payment of any sort shall arise and in no event will a cause of action lie with any prospective participant for the recovery of any costs incurred in connection with the preparation of documentation or participation in response hereto. All effort initiated or undertaken by prospective informal market survey participants shall be done considering and accepting this fact.

G. Use of Information Provided through Responses

1. Confidentiality of Responses

The attached Microsoft Forms survey includes a section where respondents are be able to indicate any proprietary data in their responses that they do not wish to be disclosed to the public for any purpose, or used by NCIA (except for internal evaluation purposes).

H. RFI Point of Contact

1. Emira Kapetanovic
2. RFI-187262-GEOAI@ncia.nato.int

Annex A – Requested Information

1. Respondents are encouraged to provide their answers to the RFI questions via the following Microsoft Forms link:

[NCIA Request for Information \(RFI\)](#)

Annex B – Distribution List

1. NATO Delegation (Attn: Infrastructure Adviser)

- | | | |
|-------------|---------------------|--------------------|
| 1. Albania | 12. Greece | 23. Poland |
| 2. Belgium | 13. Hungary | 24. Portugal |
| 3. Bulgaria | 14. Iceland | 25. Romania |
| 4. Canada | 15. Italy | 26. Slovakia |
| 5. Croatia | 16. Latvia | 27. Slovenia |
| 6. Czechia | 17. Lithuania | 28. Spain |
| 7. Denmark | 18. Luxembourg | 29. Sweden |
| 8. Estonia | 19. Montenegro | 30. Türkiye |
| 9. Finland | 20. Netherlands | 31. United Kingdom |
| 10. France | 21. North Macedonia | 32. United States |
| 11. Germany | 22. Norway | |

2. All NATEXs

3. NCI Agency – (reserved)