



AUTOMATIC IDENTIFICATION SYSTEM ANALYSIS PACKAGE

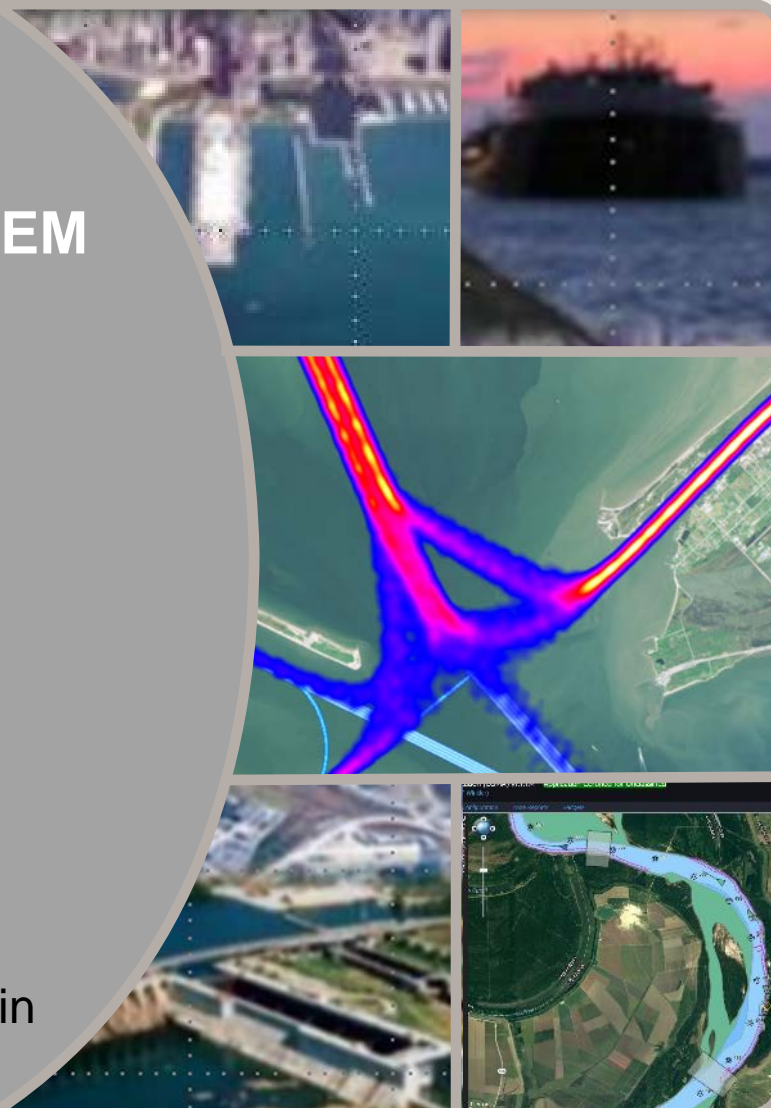
AISAP LESSON 4: NAIS WEB SERVICES

Patricia DiJoseph, PhD

AISAP Training Class

8 January 2019

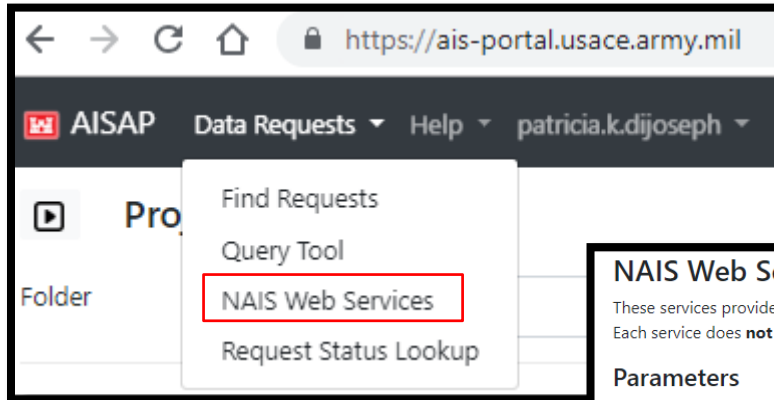
Team: Ned Mitchell, PhD, Brian Tetreault, Marin
Kress, PhD, SAM-OPJ, ARA



US Army Corps
of Engineers

ERDC
Engineer Research and
Development Center

ACCESSING NAIS WEB SERVICES



NAIS Web Services

These services provide real time access to data from the NAIS archive including vessel track lines.

Each service does **not** require every parameter. By hovering over the different format options on the right, the required parameter fields on the left turn red.

Parameters

| | |
|-------------------|--------------------------------|
| MMSI | <input type="text"/> |
| Name | <input type="text"/> |
| Call Sign | <input type="text"/> |
| IMO Number | <input type="text"/> |
| Start Time | <input type="text"/> |
| End Time | <input type="text"/> |
| Upper Left Lat | <input type="text" value="0"/> |
| Upper Left Lon | <input type="text" value="0"/> |
| Lower Right Lat | <input type="text" value="0"/> |
| Lower Right Lon | <input type="text" value="0"/> |
| Min Speed (knots) | <input type="text" value="0"/> |
| Max Speed (knots) | <input type="text" value="1"/> |
| Num Records | <input type="text" value="1"/> |

Services

| Service | Default | XML | JSON | KML | KML Track | KML Position |
|----------------------------|---------|-----|------|-----|-----------|--------------|
| Vessel Track Line | Default | | | | | |
| Vessel Identity | | XML | JSON | | | |
| Vessel Position | | XML | JSON | KML | | |
| Vessel Position Aggr. List | | XML | JSON | | KML Track | KML Position |
| Vessel Position List | | XML | JSON | | KML Track | KML Position |
| Vessel Position in Area | | XML | JSON | KML | | |
| Vessel Transit | | XML | JSON | | | |
| Voyage History | | XML | | | | |

Output from Webservice

BACKGROUND

- Way to quickly pull data from the USCG NAIS database.
- Can only pull data for one vessel at a time.
- Accesses the web service calls AISAP uses.
- Talks directly to the USCG NAIS database.
- No built in analysis tools.
- Faster than AISAP, if only need data for a few vessels.
- Has more data options than AISAP
 - More information types
 - More data types

MORE INFO

- Hover over a blue button to see which Parameter fields you need to fill in for that Service
- More information on each service can be found in the Help Documentation under “RIS Proxy Service”

NAIS Web Services

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| Parameters | | Services | | | | | | |
|-------------------|--------------------------------|----------------------------|---------|-----|------|-----|-----------|--------------|
| Parameter | Value | Service | Default | XML | JSON | KML | KML Track | KML Position |
| MMSI | <input type="text"/> | Vessel Track Line | Default | | | | | |
| Name | <input type="text"/> | Vessel Identity | | XML | JSON | | | |
| Call Sign | <input type="text"/> | Vessel Position | | XML | JSON | KML | | |
| IMO Number | <input type="text"/> | Vessel Position Aggr. List | | XML | JSON | | KML Track | KML Position |
| Start Time | <input type="text"/> | Vessel Position List | | XML | JSON | | KML Track | KML Position |
| End Time | <input type="text"/> | Vessel Position in Area | | XML | JSON | KML | | |
| Upper Left Lat | <input type="text" value="0"/> | Vessel Transit | | XML | JSON | | | |
| Upper Left Lon | <input type="text" value="0"/> | Voyage History | | XML | | | | |
| Lower Right Lat | <input type="text" value="0"/> | | | | | | | |
| Lower Right Lon | <input type="text" value="0"/> | | | | | | | |
| Min Speed (knots) | <input type="text" value="0"/> | | | | | | | |
| Max Speed (knots) | <input type="text" value="1"/> | | | | | | | |
| Num Records | <input type="text" value="1"/> | | | | | | | |

Output from Webservice

THANK YOU

| | | |
|------------------------|--------------|------------------------------------|
| Patricia DiJoseph | 601-634-2020 | Patricia.K.DiJoseph@usace.army.mil |
| Marin Kress | 202-761-7422 | Marin.M.Kress@usace.army.mil |
| Kenneth (Ned) Mitchell | 601-529-9005 | Kenneth.N.Mitchell@usace.army.mil |
| Brian Tetreault | 410-456-0417 | Brian.J.Tetreault@usace.army.mil |

<http://cirp.usace.army.mil/techtransfer/workshops/AIS2019/AIS-Workshop.php>

