S-131 DB project update on system development

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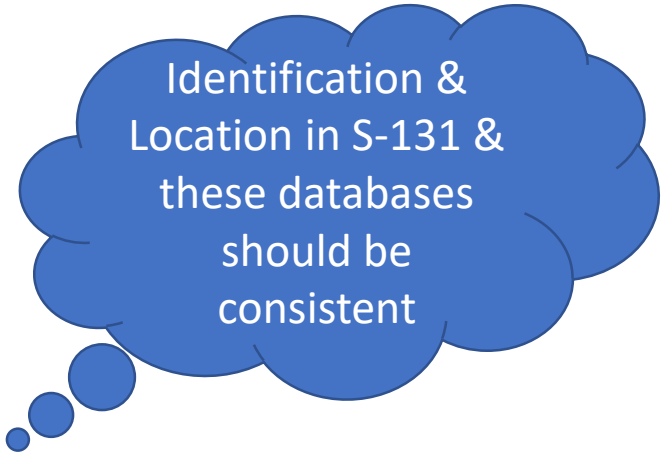
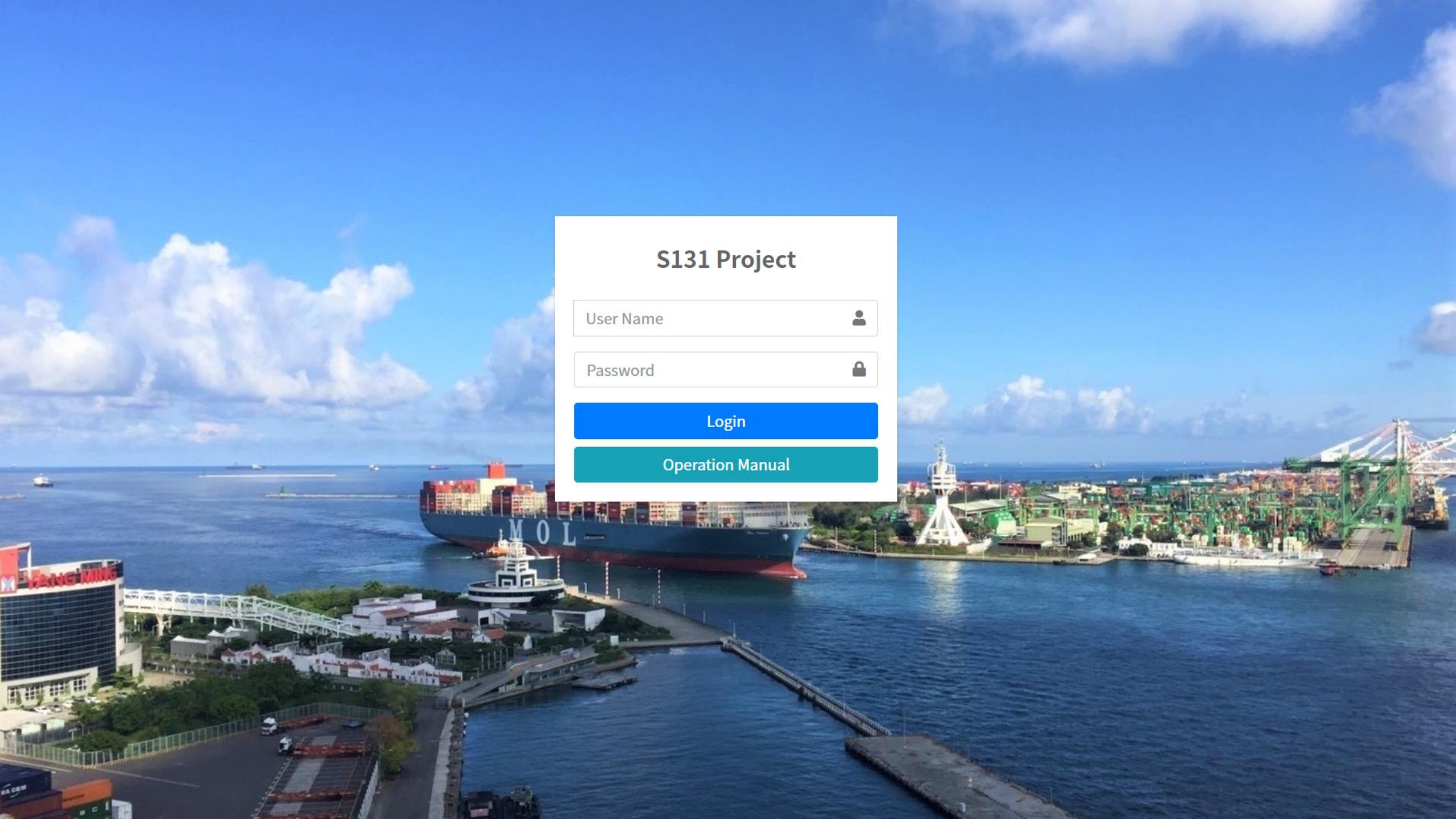
2022/09/14 NIPWG9-12.2.1

1st Step: Identification & Location

- Reference databases
  - UN/LOCODE
    - https://unece.org/trade/uncefact/unlocode
  - SMDG (Container) Terminal Code
    - ~ monthly update on http://smdg.org/smdg-code-lists
  - IMO Port Facility Number (GISIS ISPS Code database)
    - https://gisis.imo.org/Public/ISPS/Download.aspx
  - [IMO GISIS Port Reception Facility Database]
    - MEPC.1/Circ.834/Rev.1 ..Guidance for port reception facility providers and users
- Add port database, feature types & objects with featureName
  - Upload shape file
- Locate & identify the features → edit



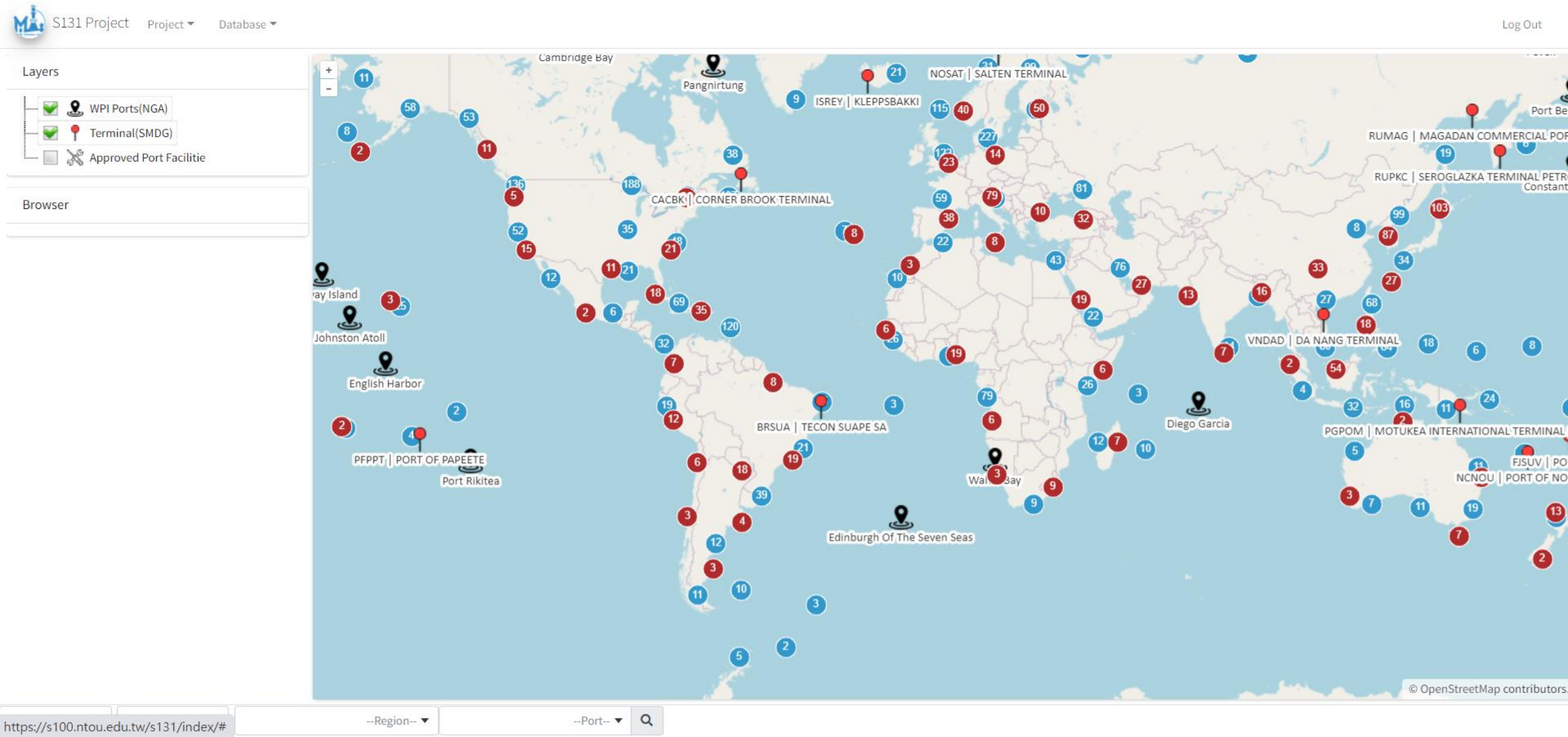

S131 Project
User Name
Password
Login
Operation Manual

# of ports with UN/LOCODE

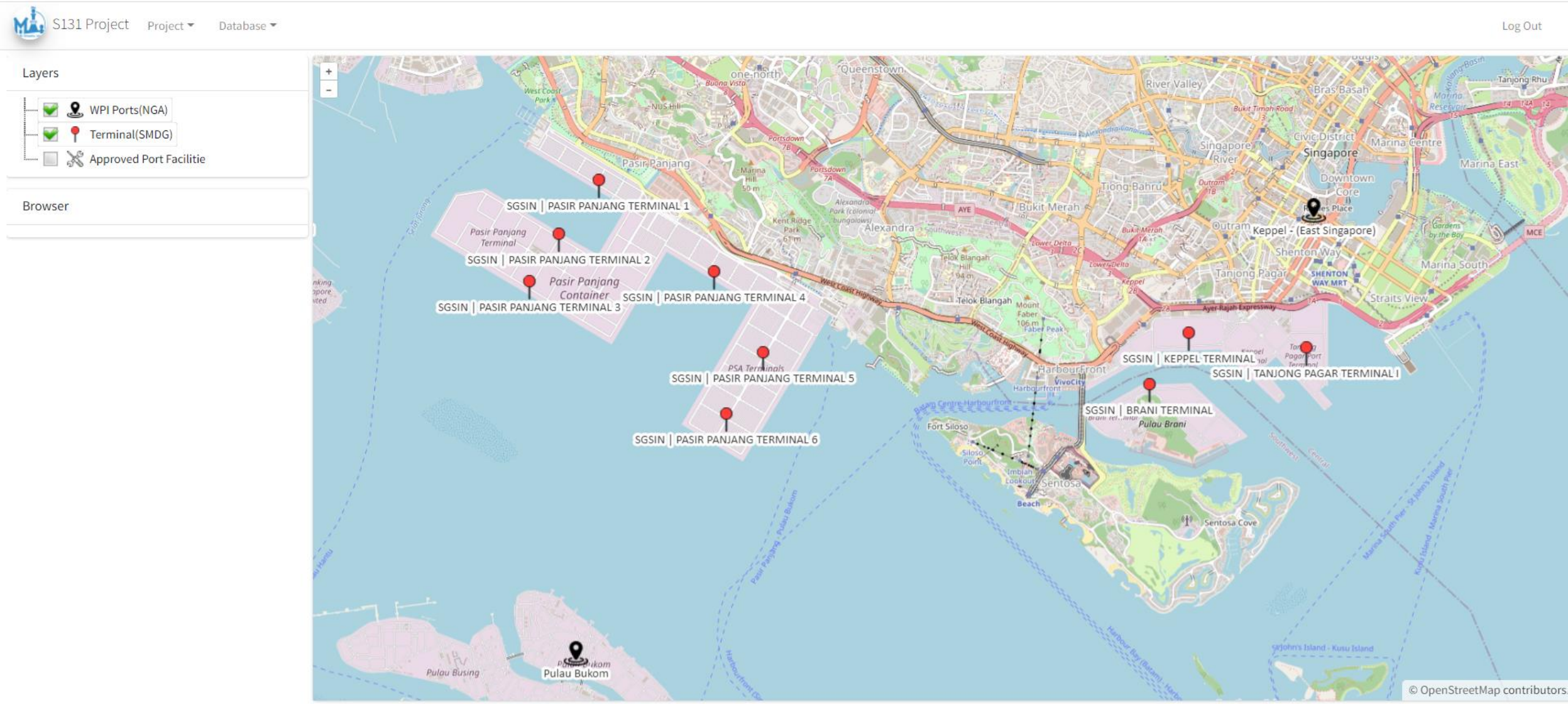
# of container terminals with SMDG terminal code

# of port facilities with IMO approved port facility number

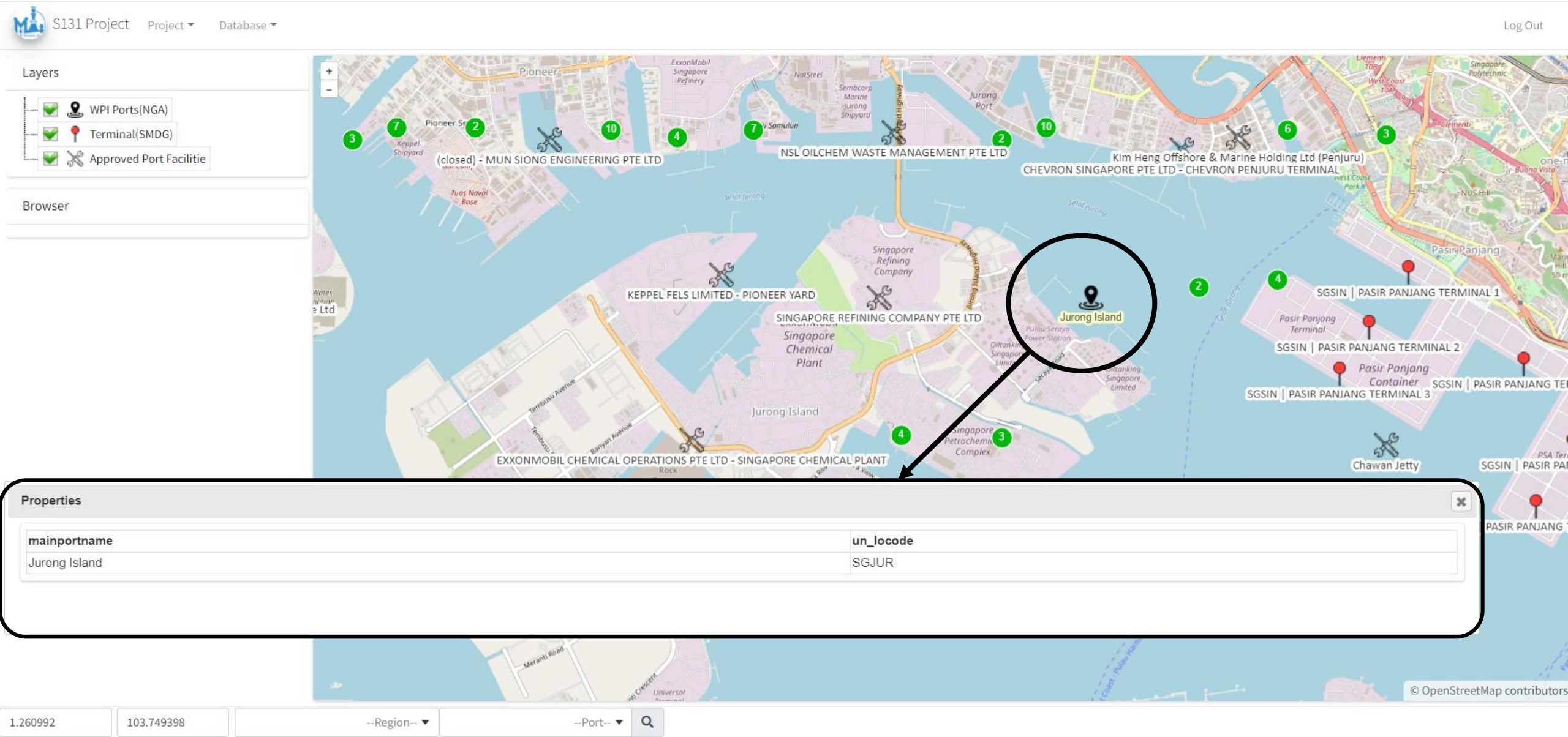
Visibility Control of Layers



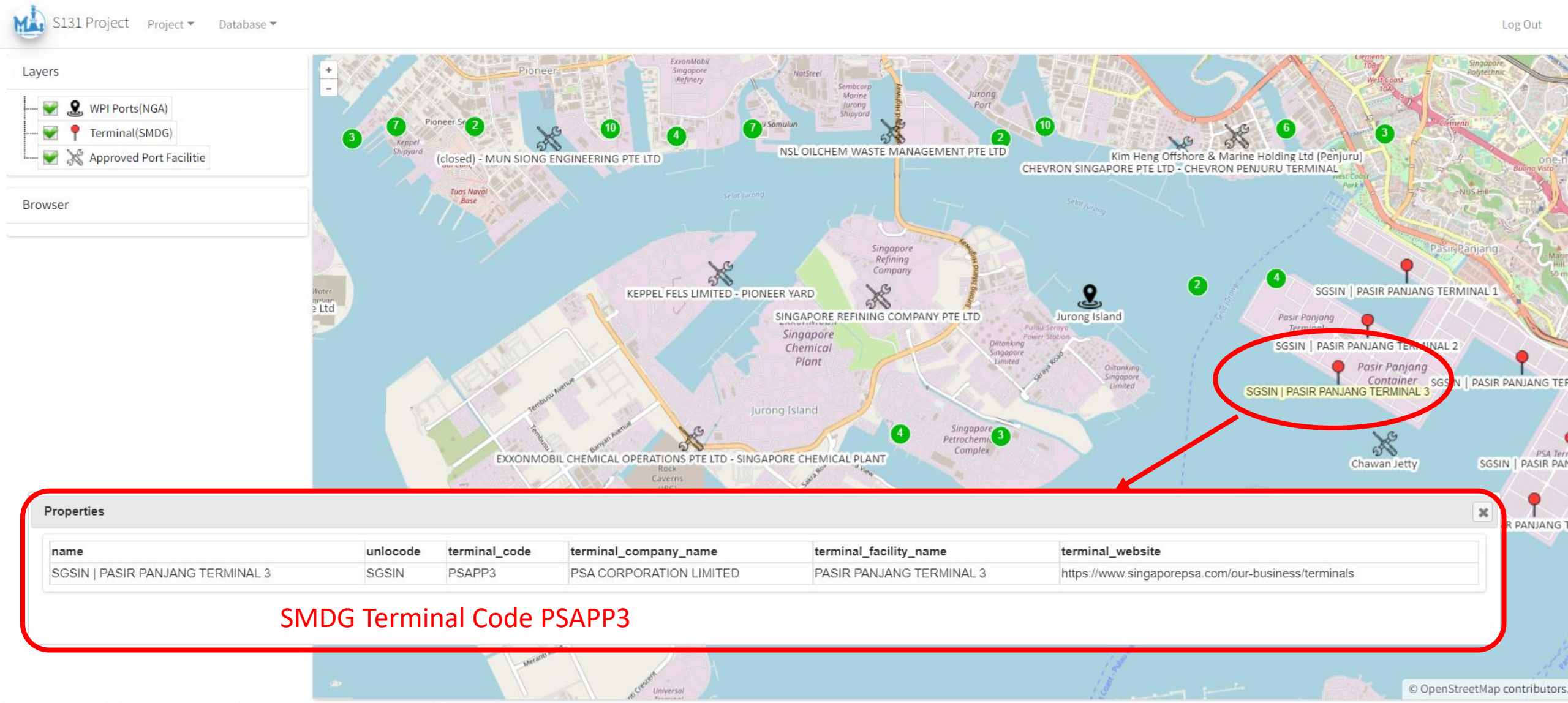
Layers as common resources



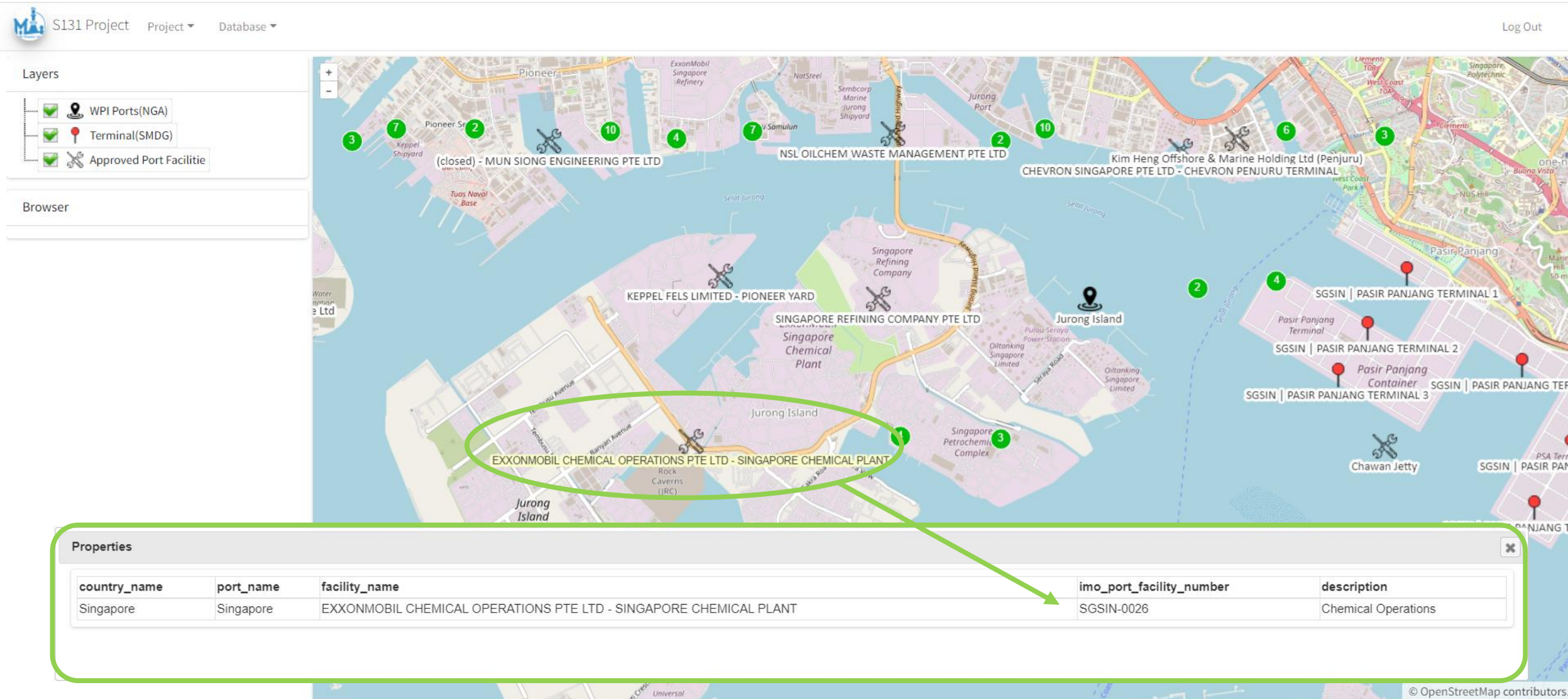
Query: UN/LOCODE (from UNECE & WPI)



Query: SMDG Terminal Code



Query: IMO Port Facility Number



Location error, can be easily identified via GUI

(Just one example of the cases)

GISIS: Maritime Security

Public Area > Maritime Security > Port Facilities > Port Facility Details

Organizational Contacts | Port Facilities | Security Arrangements | Download

Updated: 2020-06-09

Port Facility Details / Republic of Korea

Port:	Incheon (KRICH)

Facility Details

Port facility name:	Incheon Coal Terminal
IMO Port facility number:	KRICH-0110
Alternative names for this port facility, if applicable:	
Port facility description:	Open port, Bulk carrier ship, 1berth(150,000DWTx 1), Lenght 240m / Depth 16.0m, Coal
Latitude:	26° 05.00' N
Longitude:	126° 36.00' E

GISIS: Maritime Security

Public Area > Maritime Security > Port Facilities > Port Facility Details

Organizational Contacts | Port Facilities | Security Arrangements | Download

Updated: 2020-06-09

Port Facility Details / Republic of Korea

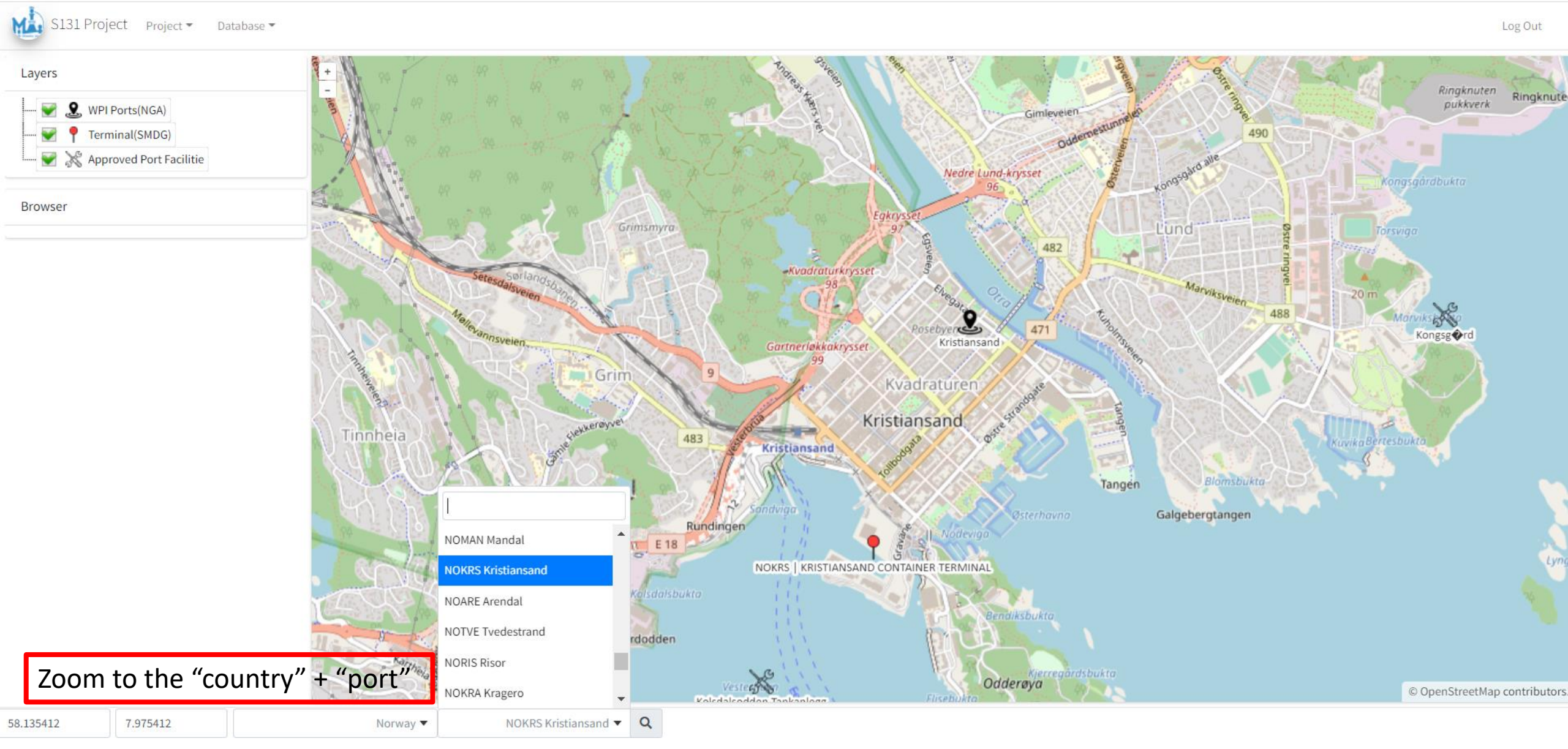
Port:	Incheon (KRICH)

Facility Details

Port facility name:	Incheon Container Terminal
IMO Port facility number:	KRICH-0005
Alternative names for this port facility, if applicable:	
Port facility description:	Open port, Containner ship, 2berth(40,000DWTx 2), Lenght 600m / Depth 14.0m, Containers
Latitude:	37° 26.30' N
Longitude:	126° 35.90' E

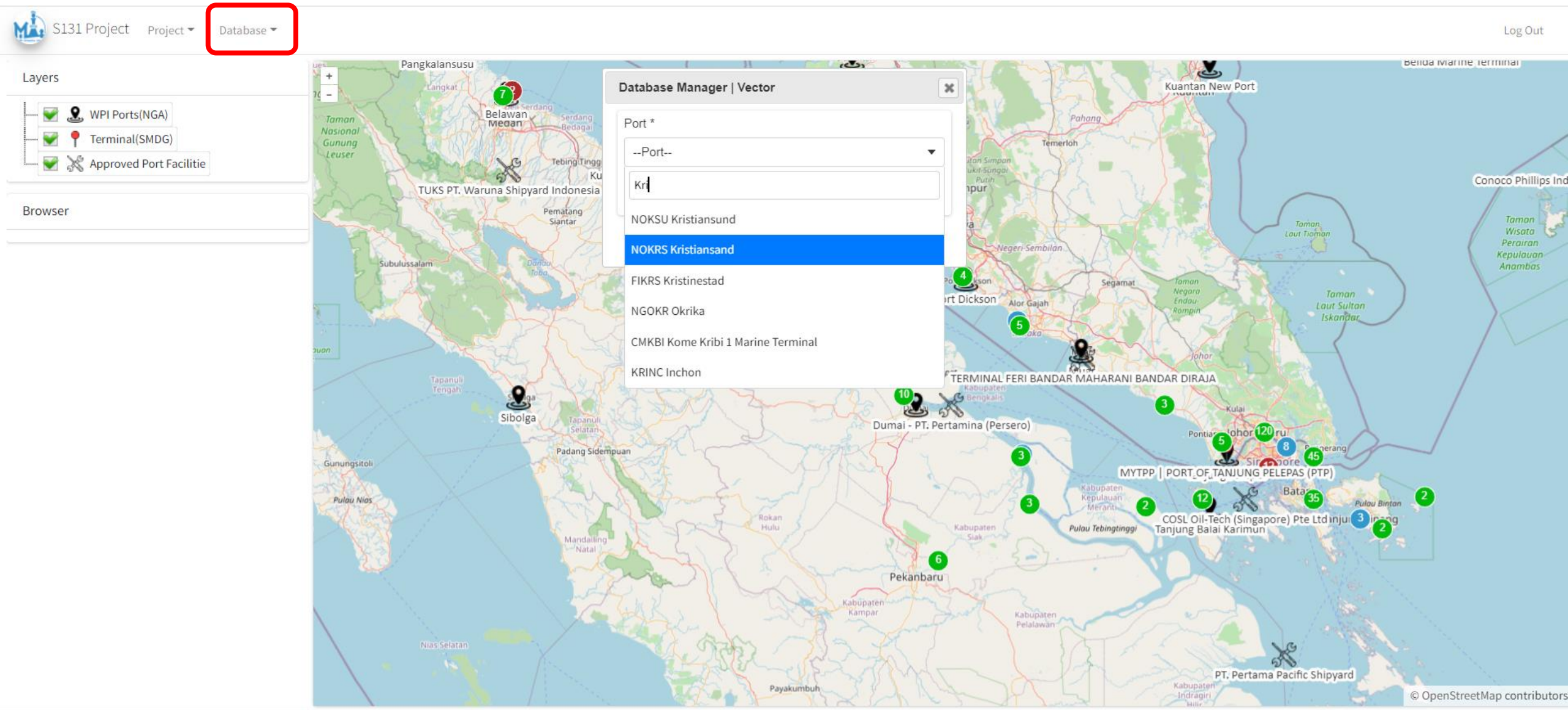
facility_name	imo_port_facility_number
Incheon Coal Terminal	KRICH-0110

Zoom to a port

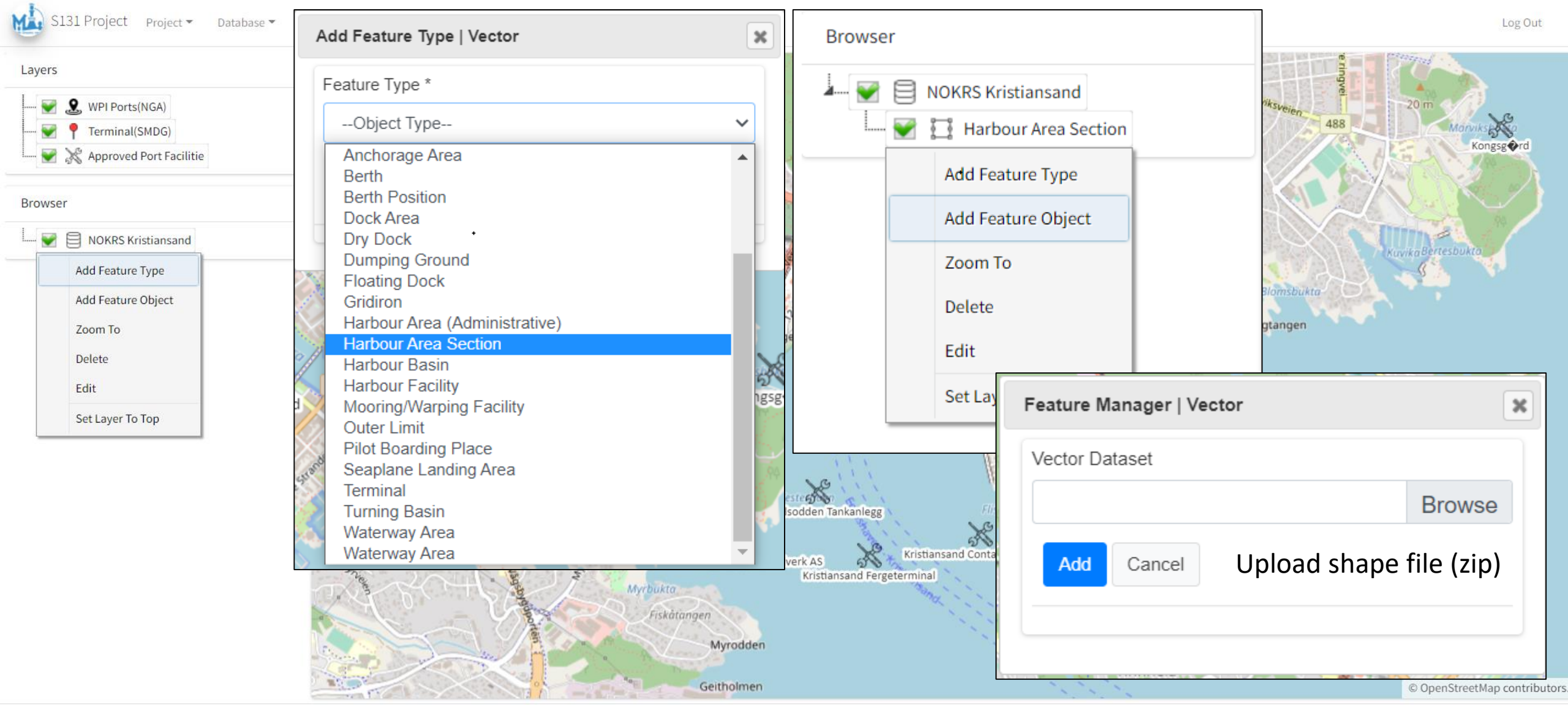


Zoom to the “country” + “port”

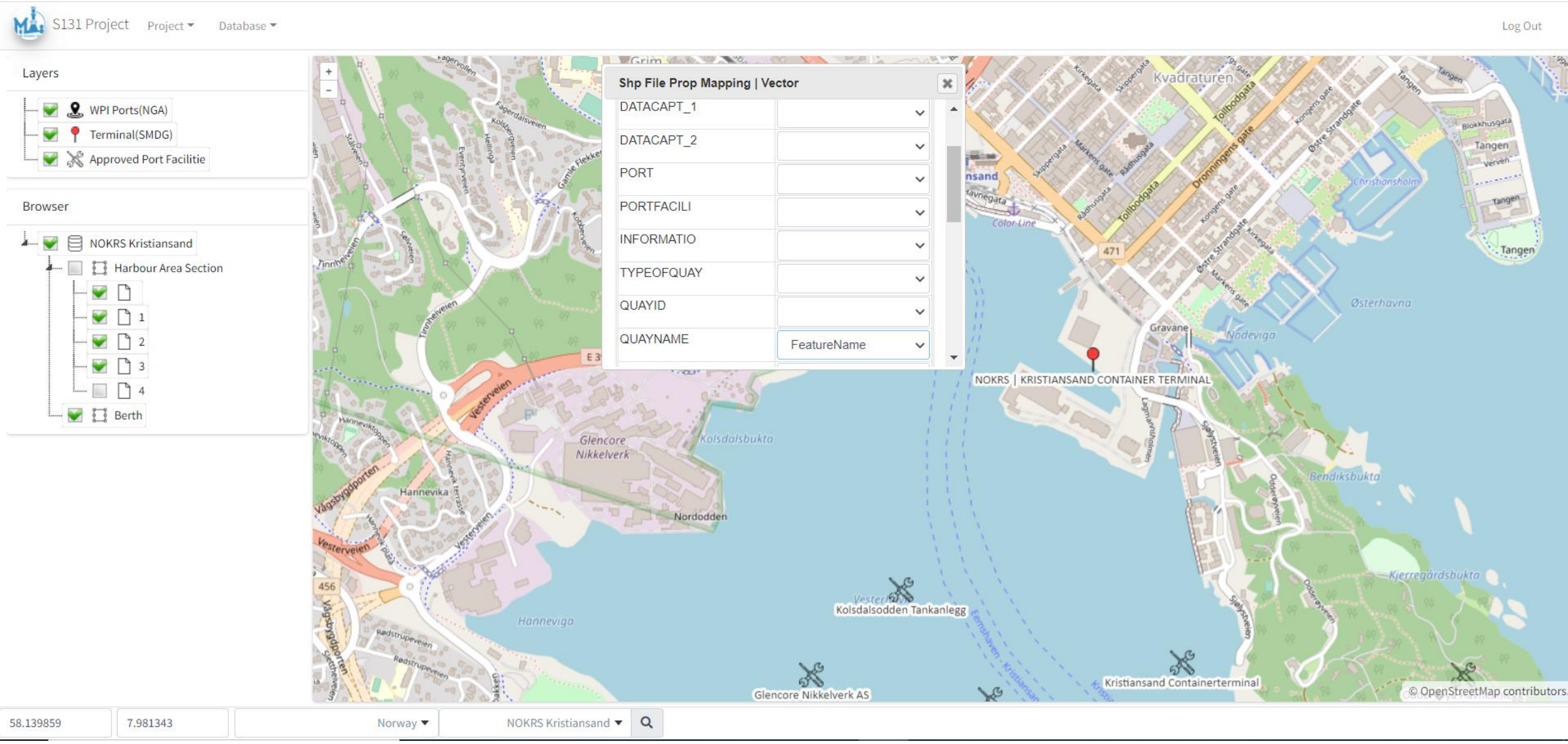
Add a port database



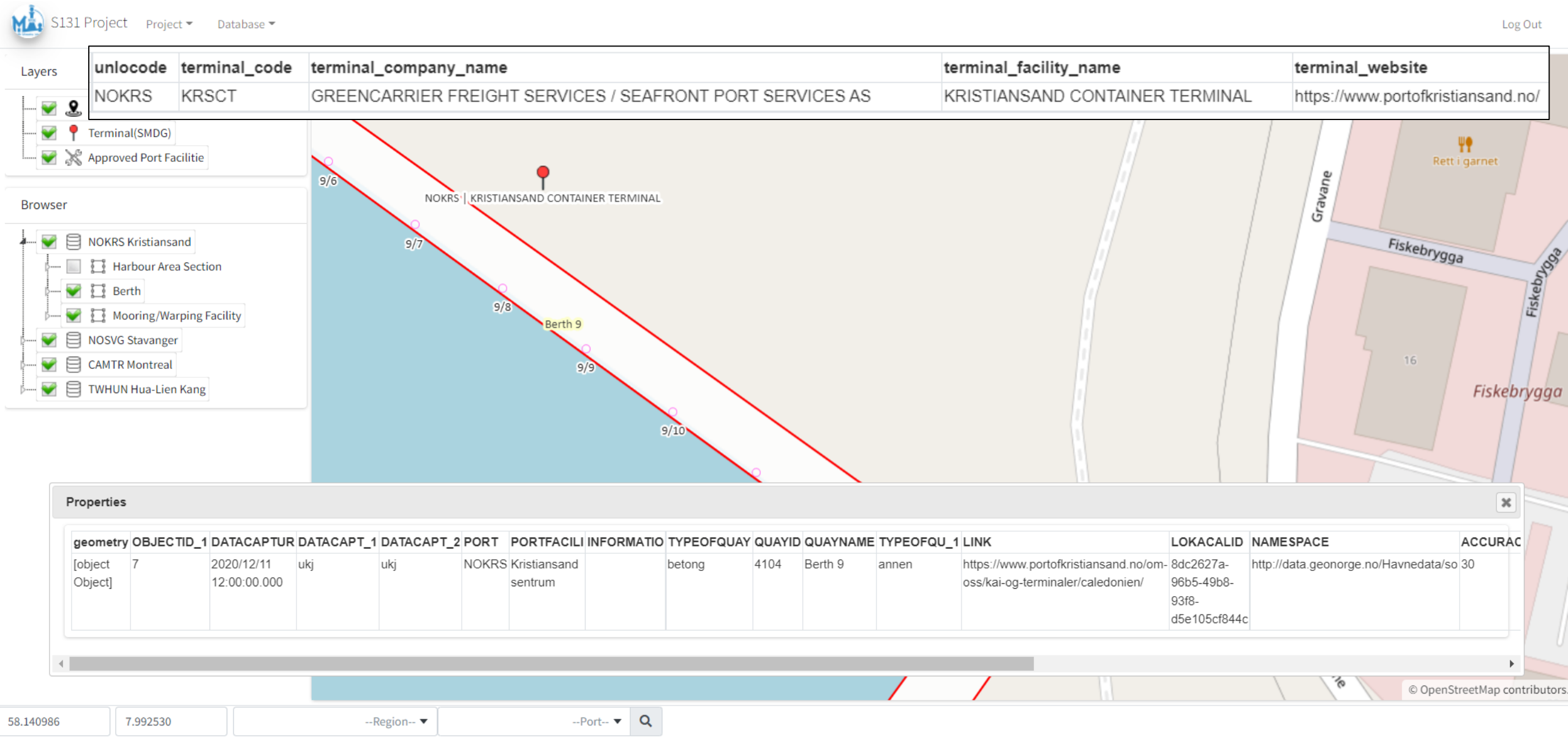
Add Feature Type → Add Feature Object



Select a field for the FeatureName (display text)



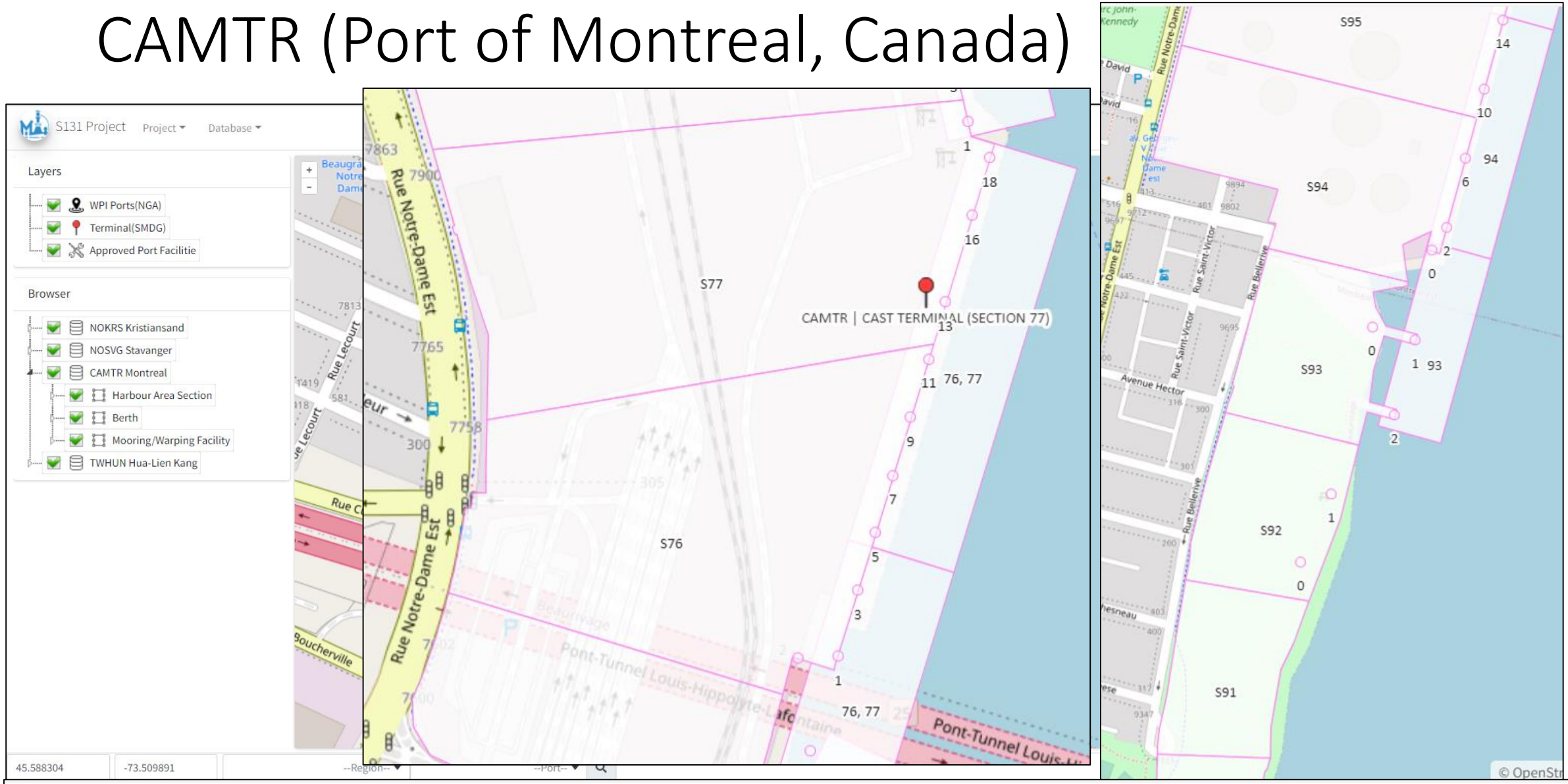
Query properties → to assist editing of the feature



unlocode	terminal_code	terminal_company_name	terminal_facility_name	terminal_website
NOKRS	KRSCT	GREENCARRIER FREIGHT SERVICES / SEAFRONT PORT SERVICES AS	KRISTIANSAND CONTAINER TERMINAL	https://www.portofkristiansand.no/

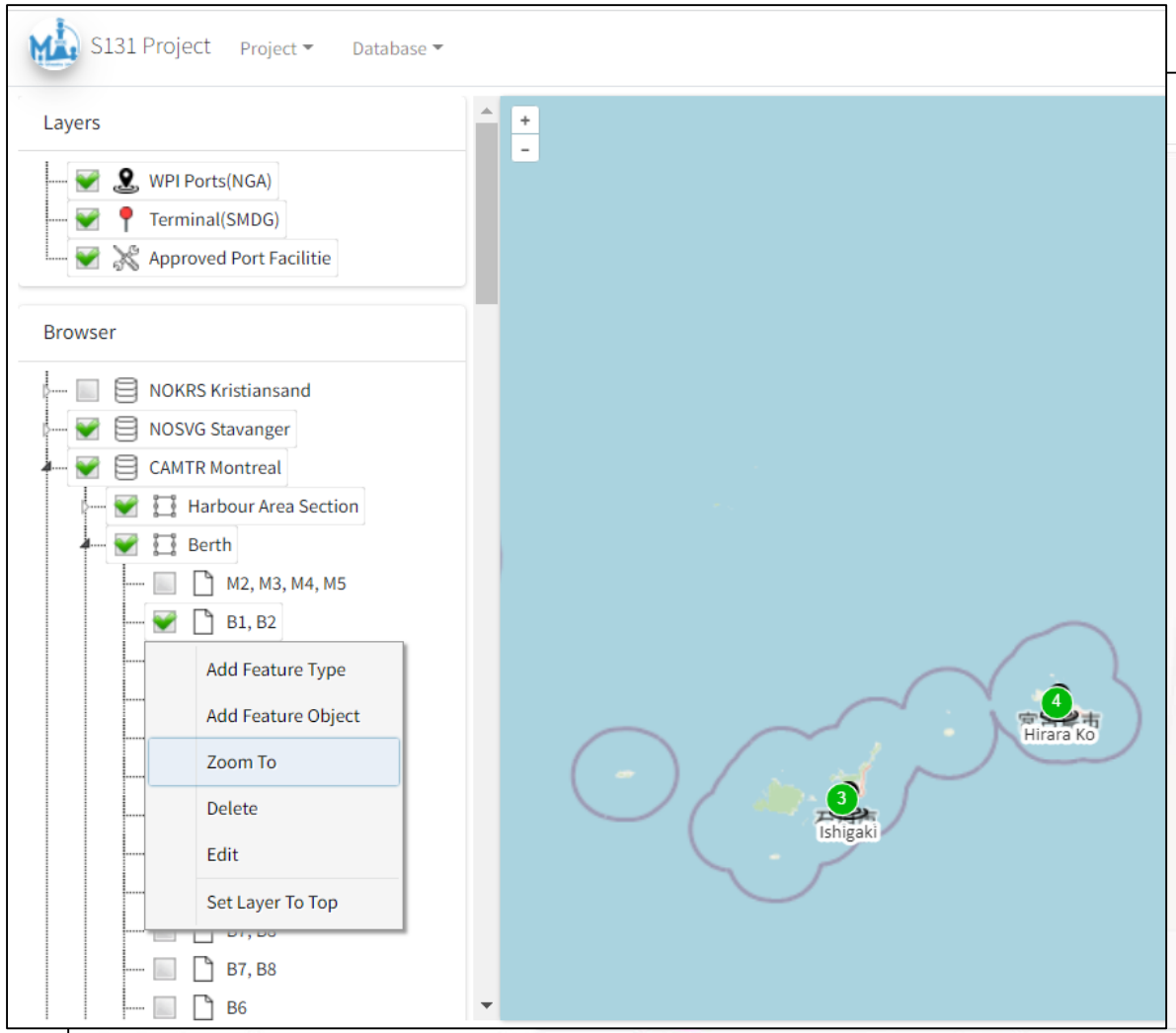
geometry	OBJECTID_1	DATACAPTUR	DATACAPT_1	DATACAPT_2	PORT	PORTFACILI	INFORMATIO	TYPEOFQUAY	QUAYID	QUAYNAME	TYPEOFQU_1	LINK	LOKACALID	NAMESPACE	ACCURAC
[object Object]	7	2020/12/11 12:00:00.000	ukj	ukj	NOKRS	Kristiansand sentrum		betong	4104	Berth 9	annen	https://www.portofkristiansand.no/om-oss/kai-og-terminaler/caledonien/	8dc2627a-96b5-49b8-93f8-d5e105cf844c	http://data.geonorge.no/Havnedata/so	30

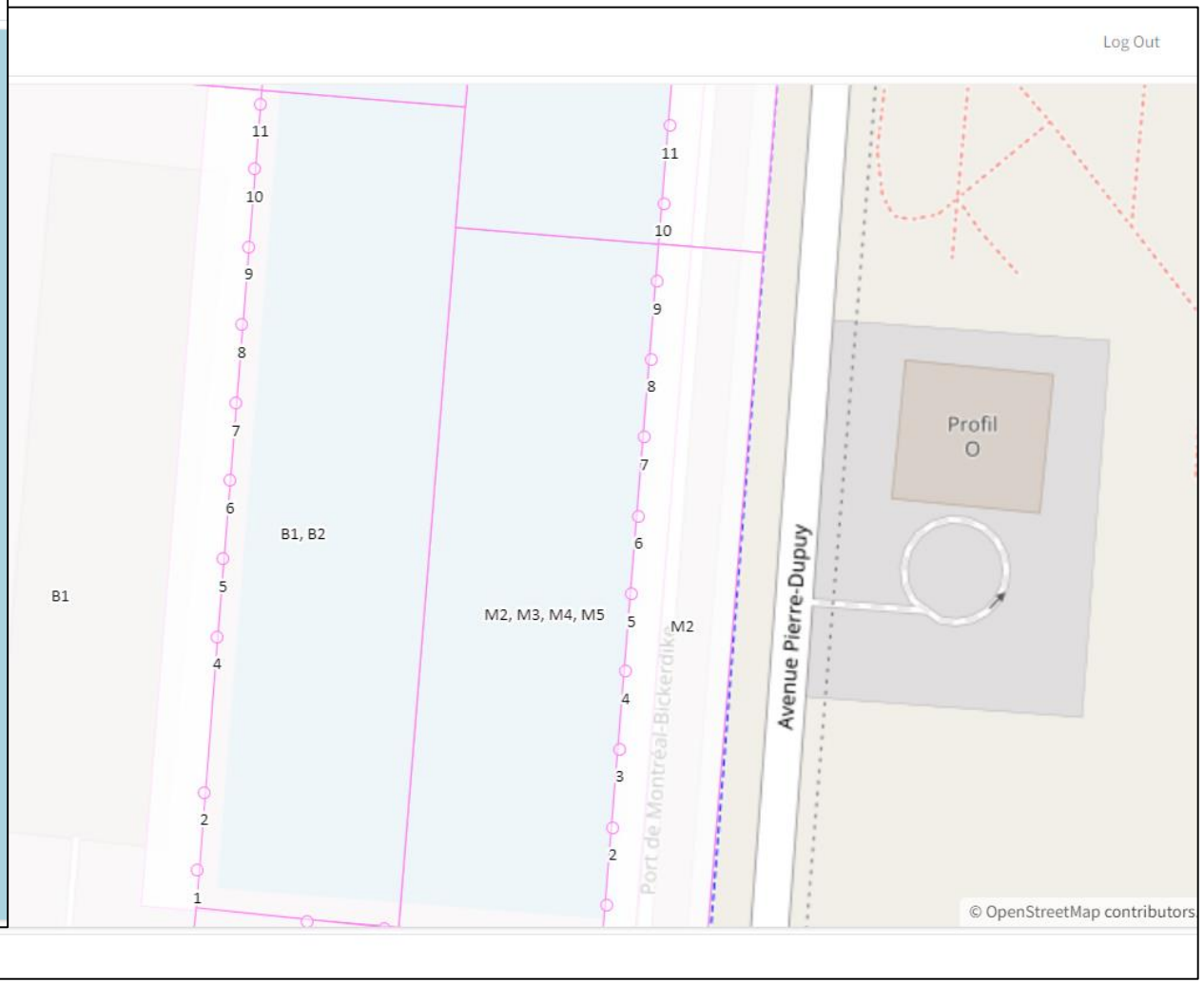
CAMTR (Port of Montreal, Canada)



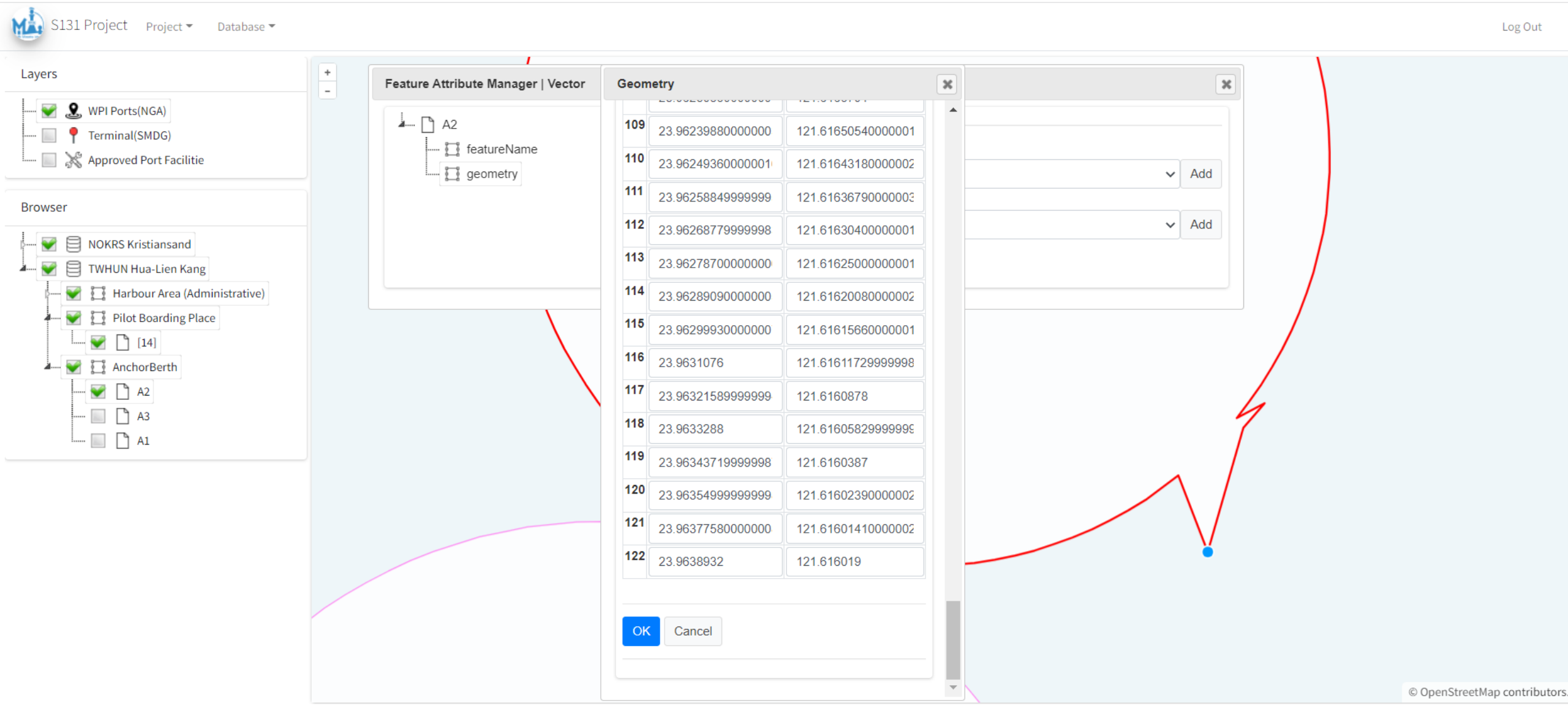
unlocode	terminal_code	terminal_company_name	terminal_facility_name	terminal_website
CAMTR	MGTCAS	MONTREAL GATEWAY TERMINALS	CAST TERMINAL (SECTION 77)	https://www.mtrtml.com/maps/index.php

Zoom to the feature
e.g. from Japan to CAMTR Berth “B1,B2”





Edit geometry & others



Demonstration ?