

International Seminar on Sustainable Use of NSR

The Strategy for the Use of NSR in Hokkaido

February 4th, 2016

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Advantage of Hokkaido for NSR

To Netherlands via NSR/Suez Canal

	sailing distance(nautical mile)		Cut Ratio
	via NSR	via Suez	
Port of Hokkaido	7,034	11,616	61%
Keihin Port	7,452	11,335	66%
Hanshin Port	7,740	11,120	70%
Korea	7,769	10,950	71%
Shanghai	8,257	10,649	78%
Taiwan	8,478	10,296	82%
Hong Kong	8,922	9,883	90%
Vietnam	9,726	8,786	111%
Singapore	10,267	8,435	122%

	navigation days		Cut Ratio
	via NSR	via Suez	
Port of Hokkaido	19	29	66%
Keihin Port	20	28	71%
Hanshin Port	21	27	78%
Korea	21	27	78%
Shanghai	22	26	85%
Taiwan	23	25	92%
Hong Kong	24	24	100%
Vietnam	26	22	118%
Singapore	28	21	133%

Sailing speed: 15.3kn via NSR
16.9kn via Suez Canal

Current Action in Hokkaido for the Use of NSR

Hokkaido Pref.

- Study on NSR by Working Group
- “Policy for the Use of NSR” (in preparation)

Port Authority (municipality)

- Port of Tomakomai
- Port of Wakkanai
- Port of Nemuro etc.

Hokkaido Development Bureau (MLIT)

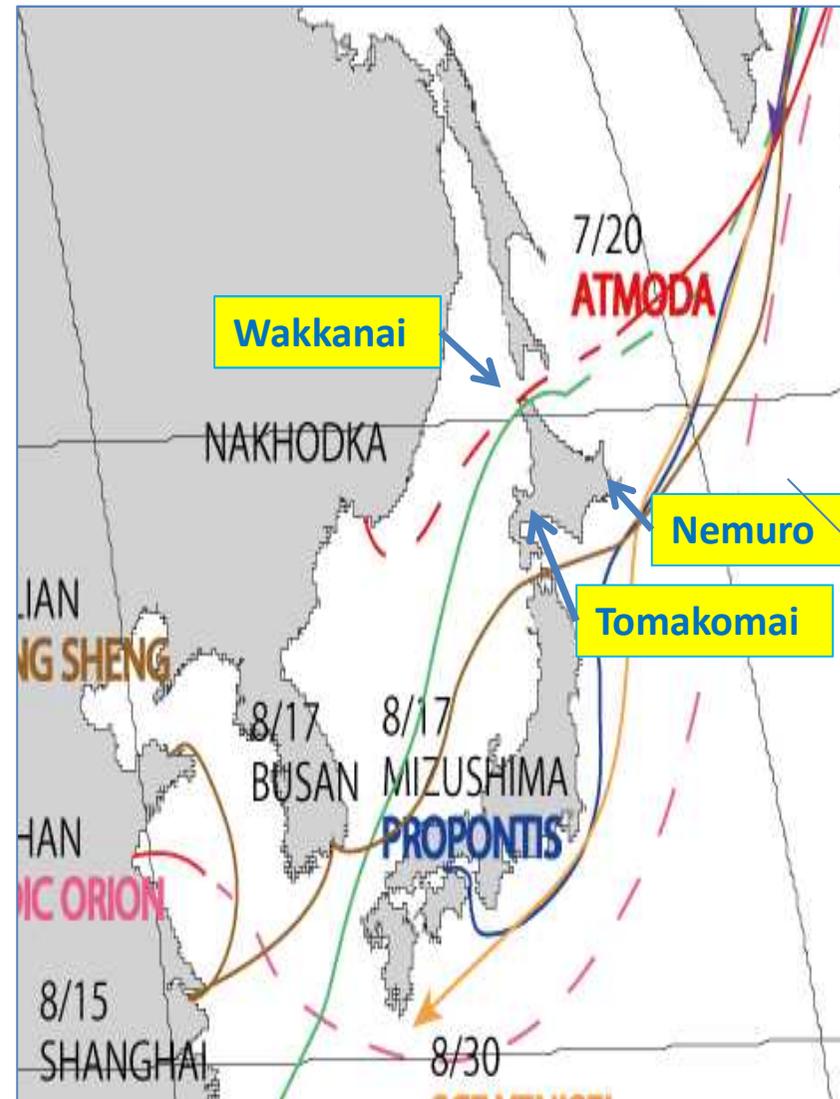
- Research of Navigation Route by the utilization of Satellite AIS with JAXA and NILIM(MLIT)

Business Circles

- Working Group for Use of NSR by Hokkaido Association of Corporate Executives

Hokkaido University

- Arctic Research Center



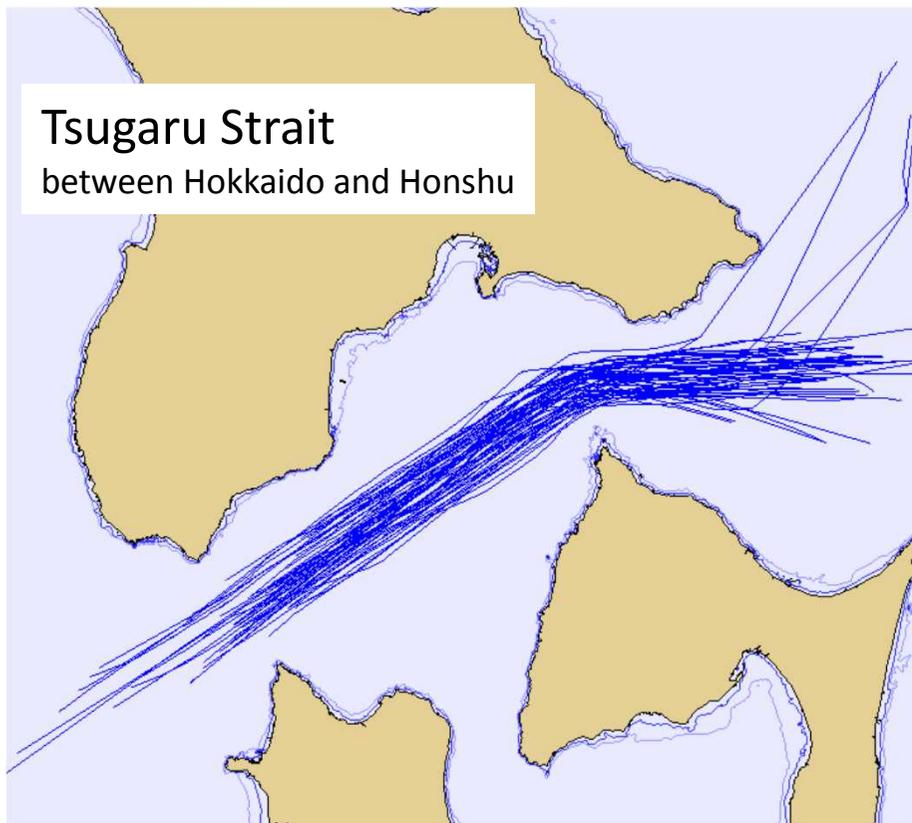
Necessity of Strategy

for the good use of Geological Advantage

Navigation Route along Hokkaido by North American Line

Observation of Container Ship Navigation by AIS

from 7th to 13th October, 2007



61 Ships passed Tsugaru Strait

- Between East Asia and North America
 - Westbound ▪ 20 Ships
 - Eastbound ▪ 12 Ships
- Round Route in East Asia ▪ 13 Ships
- Between East Asia and South America
 - 5 Ships
- Others ▪ 11 Ships

Only 7 Ships called at Hokkaido Ports

- Round Route in East Asia ▪ 7 Ships

Middle and Long-term Strategy for the Use of NSR in Hokkaido

Support Base for Resource Development Site in the Arctic Coast of Russia

- Closeness
- Advanced Infrastructure (Ports, Airports, Land Transportation, and Large Space for industry)
- Industrial Cluster (Docks, Steel Industry, LNG Power Station_(under construction), etc.)
- Support Base for Pollution of the Sea

Transit Use of NSR

- Hub Port
- Shuttle Ship Service (use of advantage for navigation time)