

01/28/14

**Presentation:  
Arctic Policy  
Trends and  
New  
Developments  
by Institute  
of the North**

<TARGET><BILL></BILL><SUBJECT>01-28-14 Presentation Arctic  
Policy Trends and New Developments by Institute of the  
North</SUBJECT><COMM>HEDT28</COMM></TARGET>

## Ginger Blaisdell

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**From:** Apache <apache@wwwjnu04.akleg.gov>  
**Sent:** Monday, January 27, 2014 2:08 PM  
**To:** LIO Juneau; Ginger Blaisdell  
**Subject:** Teleconference Order Form

**Meeting:** new

**Sponsor and/or Committee Name:** Economic Development Trade and Tourism

**Date of Teleconference:** Jan 28, 2014

**Start Time:** 11:15am

**End Time:** 12:45pm

**Chairing Site:** capitol

**Juneau Room:** 124

**Bill Information:**

**Streamed to akl.tv:** yes

**Executive Session:** no

**Contact Person:** Ginger Blaisdell

**Telephone Number:** 465-5265

**Email Address:** [ginger.blaisdell@akleg.gov](mailto:ginger.blaisdell@akleg.gov)

**LIO Sites:**

**May other LIO's add:** yes

**Offnet Name(s):**

none

**Other Information:**

Presenter: Nils Andreassen, Institute of the North

# Alaska State Legislature

Representative Shelley Hughes, Chair

Session Address:  
Alaska State Capitol, Room 409  
Juneau, Alaska 99801-1182  
Phone: (907) 465-3743  
Fax: (907) 465-2381  
House District 8



Representative Lynn Gattis  
Representative Bob Herron  
Representative Pete Higgins  
Representative Craig Johnson  
Representative Kurt Olson  
Representative Lance Pruitt  
Representative Harriet Drummond  
Representative Geran Tarr

## *House Special Committee on Economic Development, Trade and Tourism*

To: House Economic Development, Trade and Tourism Committee Members

From: Representative Shelley Hughes, Chair

Date: January 22, 2014

Re: Committee Schedule for the Week Beginning January 27, 2014

---

The House Special Committee on Economic Development, Trade and Tourism (EDT) meets in the Barnes Room 124, on Tuesdays and Thursdays from 11:15am to 12:45pm.

**Tuesday, January 28, 2014** 11:15am in Room 124

- + Nils Andreassen, Institute of the North  
"Arctic Policy Trends and New Developments"

**Thursday, January 30, 2014** 11:15am in Room 124

- + Matt Vickers, Generating for Seven Generations, Vancouver BC  
"G7G Railway, Alaska/Canada Rail Link Update"
- + Lorraine Cordova, US Army Corps of Engineers  
"Arctic Ports"

Please feel free to contact the EDT committee aide, Ginger Blaisdell at 465-5265 with questions.

\* First Hearing in First Committee of Referral

+ Teleconferenced

= Bill was Previously Heard/Scheduled

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## *House Special Committee on Economic Development, Trade and Tourism*

### AGENDA

January 28, 2013

#### **1. Call to Order**

~Gavel~ The first meeting of the Economic Development, Trade and Tourism Committee of the second session of the 28<sup>th</sup> Alaska State Legislature is called to order. Welcome, everyone.

#### **2. Roll Call**

- For the record, in attendance are: (representative xx, representative xx,... and representative xx)
- I would like to introduce Debbie Tillinghast, the committee recording secretary
- Info services person
- Ginger Blaisdell is my staff that will be the committee aide for EDT

#### **3. Mission of the Committee**

- We understand the importance of economic growth of the various sectors to the overall health and well-being of Alaska, to a prosperous Alaska.
- Hearing from private industry to better understand barriers and opportunities; and hearing from government and other entities on how some of these issues are or aren't being addressed. The goal is to determine if there is an appropriate role for the State of Alaska to play in fostering an improved open-for-business environment in Alaska.
- Our presentations are focused on investigating economic potential and opportunities. I ask that if you are aware of any industries or new products for our committee to explore that you let me know and I'll try to schedule a presentation.

#### **4. Protocols**

##### **o Time**

- I respect everyone's busy schedules and will begin our committee meetings on time and will work to end them on time.
- I understand that we have competing schedules and I appreciate that you can spend as much time as possible in EDTT.

##### **o Electronics**

- I would like to allow the use of electronics in the meeting room.
- Please turn your phones and computers to silent/no vibrate so not to disrupt others.

#### **5. Standard questions for all testifiers**

- "I would like all presenters and bill testifiers to be prepared to address the following questions:
  - o What is the value added component of your program/legislation?
  - o Are there regulation or statute changes that are required in order to make better economic improvements/enhancements in Alaska?
  - o What will your program do to improve Alaska's economic future?
- Do any committee members have an additional standard question that may be answered by each presenter who comes before the committee?"

#### **6. Sneak Preview**

- The first few weeks of this session will focus on Arctic Policy and the opportunities Alaska may enjoy with the development of this region of our state.
- I would like to introduce Nils Andreassen, Institute of the North who will begin the session with a presentation "Alaska's Arctic Think-and-do Tank"

Before we adjourn:

- The Thursday meeting may begin slightly delayed due to the floor session. My office will notify you of any changes if we know ahead of time.

Thank you for wanting to be part of making Alaska one of the best economic environments in the nation. We are ADJOURNED." ~gavel~

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GOVERNOR WALTER J. HICKEL, FOUNDER

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**Institute of the North**  
**Alaska's Arctic Think-and-do Tank**

Presentation by  
Nils Andreassen Executive Director

## | Responding to |

Fundamental challenges facing Alaska and Alaska's Arctic:

- Infrastructure deficit – response capacity
- Significant change taking place
- State and national environment of fiscal constraint
- Increasing international and national attention; local and regional fear
- Communications

Considerations for EDT:

- Anticipating future states – opportunities and challenges
- State's role in facilitating development

# International Activity

- Arctic Council
  - AMSA Status on Implementation
  - Working Group projects
- International Maritime Organization
  - Polar Code due to be released in 2014
  - Will provide guidance for Arctic marine shipping operations
- Law of the Sea claims
- PNWER Arctic Caucus
  - Collaborative effort by Alaska, Yukon and NWT to unify priorities and leverage sub-national voices

## Considerations for EDT:

- Maintain awareness of these efforts and how they impact Alaska

# International Activity

## Arctic Council - AMSA Status on Implementation

- Clear movement to satellite AIS reporting (EMSA - CleanSeaNet)
- Black carbon continues to be challenge
- Association of Arctic Cruise Ship Operators – nothing on this side of the Arctic
- Oil spill response barge based in Tuktoyaktuk
- Cultural and environmentally sensitive protected areas
- BarentsWatch (monitoring and information sharing system) → could be good model for Bering Strait
- Ballast water management and waste management increasingly a concern
- Arctic ERMA – NOAA efforts – possibility for collaboration?
- Hydrographic, Meteorological and Oceanographic Data

## Considerations for EDT:

- AIS investment (pro)      Marine Protected Areas (con)
- Tourism (con)              Federal efforts (pro)

# National Strategy

## Advance United States Security Interests

- Evolve Arctic infrastructure and strategic capabilities
- Enhance Arctic domain awareness
- Preserve Arctic region freedom of the seas
- Provide for future U.S. energy security

## Pursue Responsible Arctic Region Stewardship

- Protect the Arctic environment and conserve its natural resources
- Balance economic, environmental, & cultural values in management
- Increase understanding of Arctic - scientific research & traditional knowledge
- Chart the Arctic region

## Strengthen International Cooperation

- Promote shared prosperity, protect environment, & enhance security
- Work internationally to advance U.S. interests in the Arctic region
- Accede to the United Nations Convention on the Law of the Sea
- Cooperate with other interested parties

### Considerations for EDT:

- Develop partnerships that promote economic development

# National Activity

- USCG Arctic Strategy
  - Improving Awareness
  - Modernizing Governance
  - Broadening Partnerships

## Considerations for EDT:

- Leverage national interest
- Help Coast Guard achieve what it needs

# Local Activity

- From competition to collaboration
  - Regional self-awareness of mutual benefit
- North Slope Borough, Northwest Arctic Borough and Bering Straits Energy Planning
  - Test of cooperation and collaboration
  - Needs to result in affordable energy for region
- Leadership Team and Arctic Economic Summit
- Bering Strait Communications Network
  - Newly established forum for engagement and communication
  - Update regional stakeholders and community members about Arctic issues

## Considerations for EDT:

- Maintain strong relationship with local/regional efforts
- Anticipate increased locally-driven projects

# Alaska Arctic Policy

- Values Community Sustainability and Thriving Cultures
- Balances Resource Development and Environmental Protection
- Ensures National, Community and Individual Security
- Incorporates Transparency and Inclusion into Decision-Making

## Considerations for EDT:

- Expand thinking around “economic development” and “opportunity”

# Alaska Arctic Policy

- Support Alaska Arctic Policy Commission
- Prepare Alaska for a leading role in the United States chairmanship of the Arctic Council
- Encourage State of Alaska participation in working groups
- Increase understanding of Arctic Council and PPs
- Active cross-border collaboration
- Community and regional engagement, voice

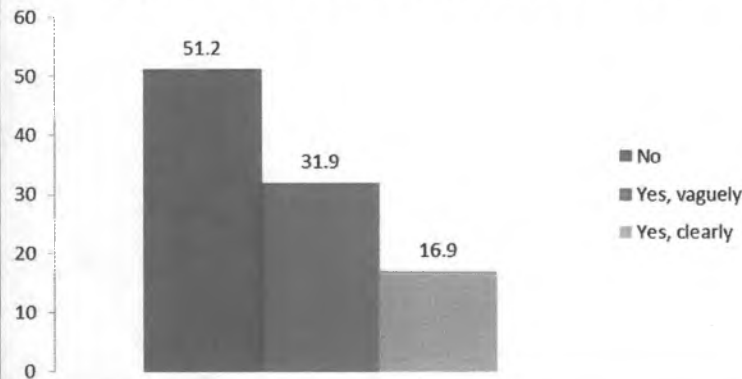


Considerations for EDT:

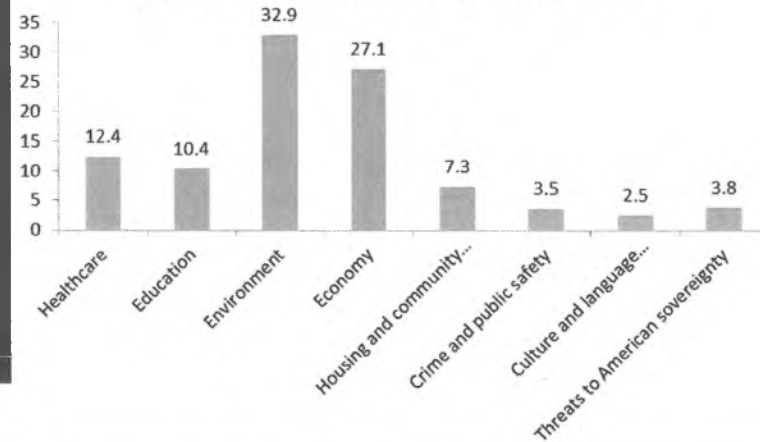
- Explore cross-border trade relationships

# Informed by Public Opinion

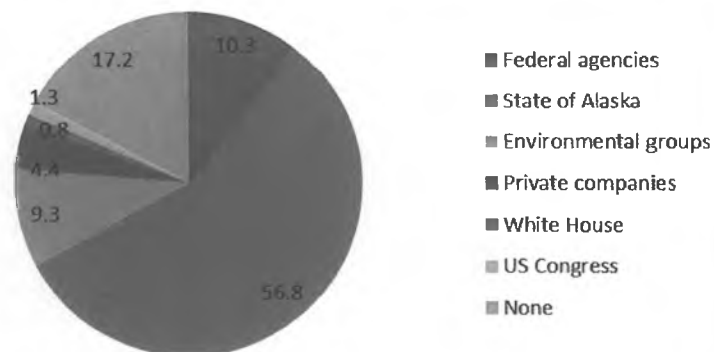
**Respondents Awareness of the Arctic Council**



**Most Important Issue Facing American Arctic**



**Group Best Suited to Address Environmental Issues in Arctic**



## Considerations for EDT:

- Develop economic justification

# Energy & Transportation Infrastructure

## Circumpolar Policy Tours

- Norway and Iceland

## Arctic Maritime and Aviation Transportation Infrastructure Initiative

- An Arctic Council SDWG project
- Inventory of ports and airports around the Arctic

## Arctic Energy Summit

- Akureyri, Iceland
- Expert presentations
- Best practices
- Latest technology
- Sustainable development



# Fundamental Lessons for Alaska, from Iceland and Norway

Iceland - *Sacrifice in the short-term for long-term prosperity*

1. Pick a resource
2. Develop comprehensive plan
3. Own the infrastructure
4. Export value-added product

Norway - *Respond to complexity with sophistication*

1. Export non-renewable resource, develop renewables for domestic use
2. Co-invest in production and infrastructure, sharing risk and reward
3. Build regulatory capacity for effective and efficient development of resources

# Arctic Energy Summit

Richness  
+  
Responsibility  
= Resilience



Considerations for EDT:

- Invest in infrastructure and people
- Value-added opportunities



# ARCTIC MARINE & AVIATION TRANSPORTATION INFRASTRUCTURE INITIATIVE

**ARCTIC MARINE & AVIATION  
TRANSPORTATION INFRASTRUCTURE INITIATIVE**

**INTERACTIVE MAP**

The Arctic Transportation Interactive Data Map displays visual, geographical and descriptive information related to maritime and aviation infrastructure. Data has been collected from each of the eight Arctic nations. Additional layers have been provided by the Arctic Portal to further illustrate overlapping spheres of responsibility and capacity.

[Enter the Interactive Map](#)

**AMATII DATABASE**

The Arctic Transportation Database contains information for maritime and aviation infrastructure as depicted on the Interactive Data Map.

[Enter the AMATII Database](#)

**AMATII**      **WORKSHOP**      **RESOURCES**

Institute of the North - 1675 C Street, Suite 100 - Anchorage, Alaska 99501 - USA  
Email: [amatii@instituteofthenorth.org](mailto:amatii@instituteofthenorth.org)      Tel: +1 - 907 - 700 - 6324  
Designed and hosted by [ArcticPortal](#)

# Opening maritime infrastructure

Search:

Name	Region	Country	World port index	UNILCO code	Chart number
<a href="#">Aasnaq Oqaasimnguit</a>	East Coast	Greenland	760	GLJCH	28462
<a href="#">Adak</a>	Aleutians (Southwest)	US Alaska	20140	USADK	16471
<a href="#">Almanna</a>	West Coast	Iceland		ISAKR	
<a href="#">Aklavik</a>	Nunavut	Canada		CAAKV	
<a href="#">Alureyri</a>	North Coast	Iceland	310	ISAKU	38681
<a href="#">Akutan Harbor</a>	Aleutians (Southwest)	US Alaska	20087	USKOA	20097
<a href="#">Alta</a>	Finmark	Norway	21130	NOALF	43084
<a href="#">Ambarchik</a>	Chukotka Autonomous Okrug	Russia	62860		41100
<a href="#">Amderny</a>	Nenets Autonomous Okrug	Russia		RUAMV	
<a href="#">Anadyr</a>	Chukotka Autonomous Okrug	Russia		RUDYR	
<a href="#">Anchorage</a>	Southcentral	US Alaska	19800	USANC	16685
<a href="#">Andenes</a>	Nordland	Norway	21660		43120
<a href="#">Arctic Bay</a>	Nunavut	Canada		CAARB	
<a href="#">Arkhangelsk</a>	Arkhangelsk Oblast	Russia	62800	RUARH	BA2280
<a href="#">Arviq</a>	Nunavut	Canada		CAYEK	
<a href="#">Attu</a>	East Coast	Greenland	700		38480
<a href="#">Aupaluk</a>	Nunavut	Canada		CAYPJ	
<a href="#">Baker Lake</a>	Nunavut	Canada		CABLK	
<a href="#">Ballangen</a>	Nordland	Norway	22050	NOBLL	43144
<a href="#">Ballstad</a>	Nordland	Norway	21840	NOBSD	43146
<a href="#">Berentsburg</a>	Svalbard	Svalbard	20560	SJSAR	42052
<a href="#">Bertov</a>	Arctic	US Alaska	20480	JSBRW	16082
<a href="#">Bethwell Inlet</a>	Nunavut	Canada		CABAT	
<a href="#">Belomorsk</a>	Republic of Karelia	Russia	62830	NOBER	BA2275
<a href="#">Bessy</a>	Nordland	Norway	23020	NOBER	43204

Showing 1 to 351 of 351 entries

## Murmansk

### General Information

World port index: 62950  
 UNILCO code: RUMMK  
 Chart number: 42780  
 Port type: River Natural  
 Port size: Large

### Location Information

Country: Russia  
 Region: Murmansk  
 Timezone: UTC+4(+4DT)

### Operation Management

First port of entry: Yes  
 ETA required: Yes

### Physical Attributes

Cranes: fixed/ mobile/ floating  
 Lifts: 0-49/ 100+  
 Load / Offload: wharves  
 Dry dock: large  
 Marine railway: medium  
 Shelter afforded: good  
 Entrance restrictions: ice  
 Good holding area: Yes  
 Turning area: Yes  
 Vessel loa: 152.4  
 Overhead restrictions: Yes

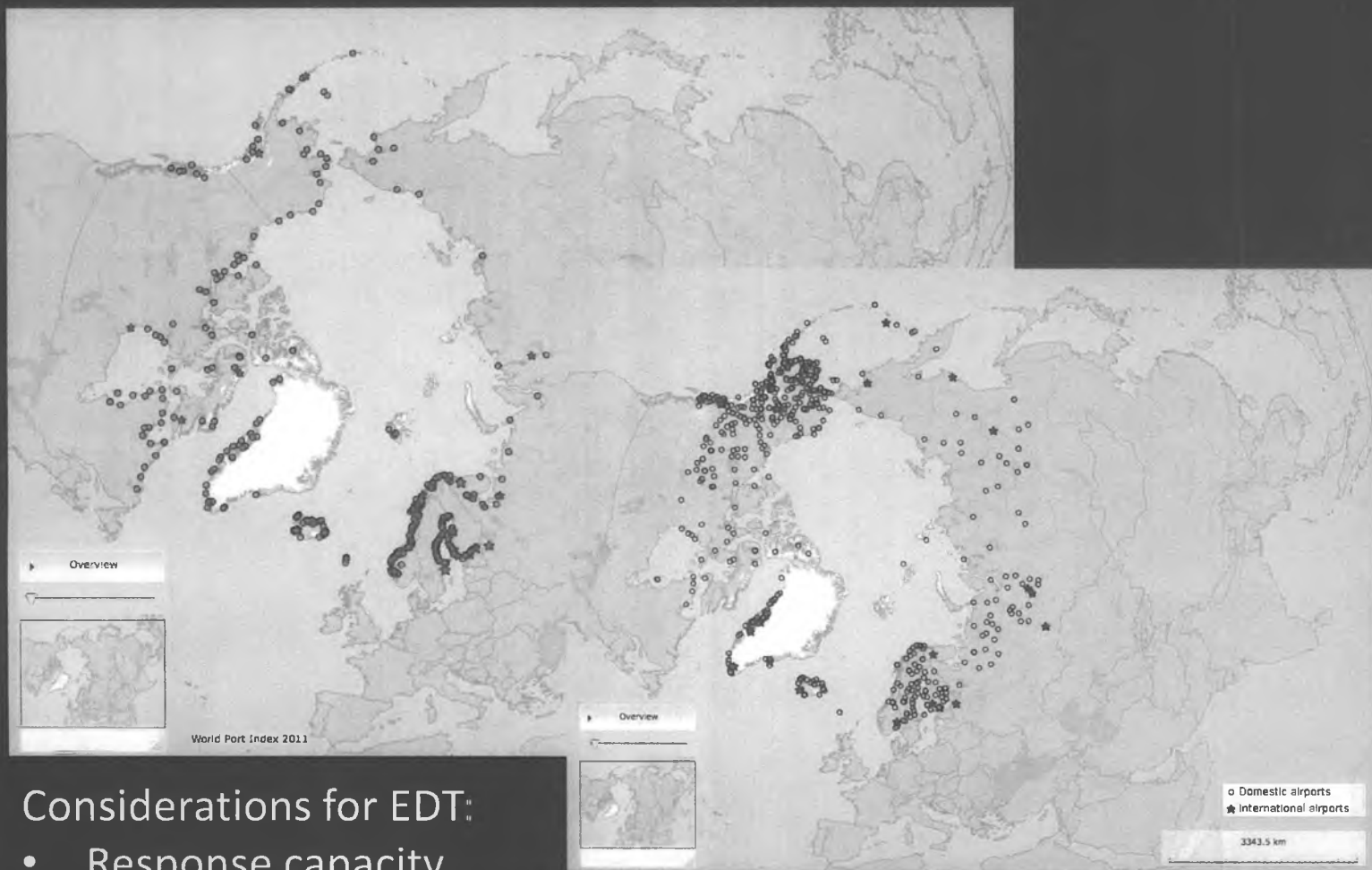
### Services, Supplies and Communications

Access to tugs: assist  
 Telephonic: Yes  
 Telex: Yes  
 Radio: Yes

### Picture



# Map of Arctic infrastructure



Considerations for EDT:

- Response capacity

## Next steps

### Economic Development and Trade Agenda in the Arctic

- Strengthening Response Capacity
- Future Careers - Workforce Development
- Review LOST, Polar Code, and Jones Act
- Drive Regulatory Certainty
- Identify Competitive Advantage

### Upcoming Events - 2014

- AAPC outreach and public testimony
- Northern Regions Mining Summit – Vancouver, B.C.
- Promise of the Arctic – Seattle
- Week of the Arctic
- Regional strategic planning within Alaska's Arctic
- Oil Spill Response Communications

## Future Workforce

A draft list of potential skills, jobs and training needs exist:

- Ice Navigation Training & Watchkeeping
- Shipboard Engineering/Repair/Maintenance
- Oil spill prevention; Oil Spill Recovery/Response Operations
- Hydrography/Charting
- Ports Engineering/Maintenance
- SAR/Emergency Response
- Monitoring/Surveillance/Data Handling
- Observing Systems; Marine Mammal Observers
- Naval Architecture
- Environmental Management
- Transportation Systems Planning
- Law Enforcement

# Thank you!

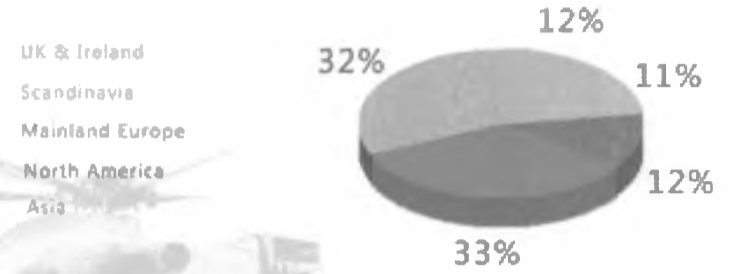
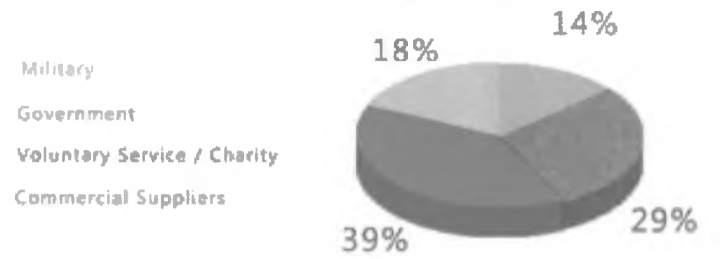
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Facebook: [www.facebook.com/InstituteNorth](http://www.facebook.com/InstituteNorth)

# SEARCH + RESCUE EUROPE

The Search and Rescue world has evolved over the past year. Under deep consideration within Europe and much of the rest of the world are the acquisition of a number of innovative life-saving assets, the standardisation of training and the opportunities to enhance multinational and multi-agency partnerships. Defence IQ surveyed the international SAR community, ahead of the Search and Rescue Europe 2014 conference, to find out what is at the forefront of the minds of operators and solution providers working in this field...

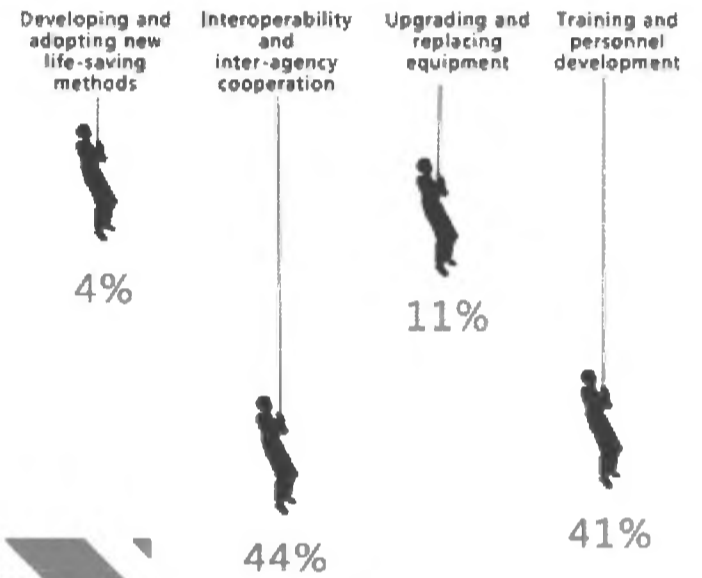
## About our respondents



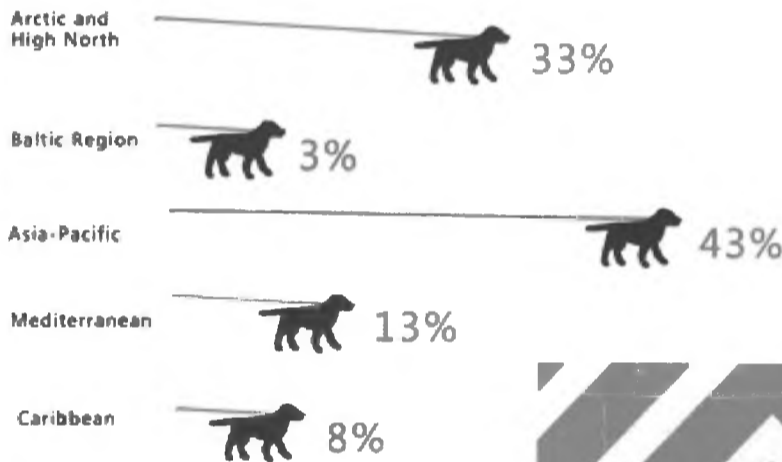
## What is the biggest barrier to development of a seamless SAR response in your country?



## What are your most pressing concerns for 2014?



## Of which region of the world would you like to gain a better SAR understanding?



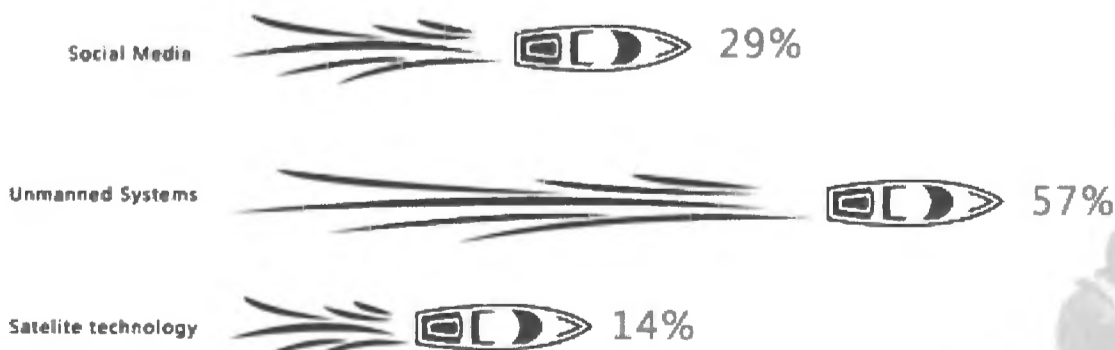
**180**  
Volunteers on call with the German Maritime SAR Service, alongside 180 full time employees, 20 rescue cruisers and 40 lifeboats operating across 54 stations in the North Sea, Baltic Sea, mainland and surrounding islands.

**56**  
The average number of quarterly maritime callouts for UK military Search and Rescue Units over the past five years

**98**  
Percentage of Germany's 90,000 firefighters comprised of volunteers. Portugal's percentage is 80.

**NOTICE 90**  
Number of minutes between a callout and an SRU being at the scene of an incident in 90 per cent of cases, as targeted by the Swedish Maritime Administration

## Which of the following is likely to have the biggest impact on future SAR operations?



## Want to learn more?

Better integration is the key to more effective SAR operations. In 2014, Search and Rescue Europe brings together leading SAR practitioners to discuss how we can move towards better coordination between different SAR agencies.

Search and Rescue Europe  
07-09 April, 2014  
Radisson Blu Scandinavia Hotel  
Copenhagen, Denmark

[www.SEARCHANDRESCUEEUROPE.COM](http://www.SEARCHANDRESCUEEUROPE.COM)  
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