

# Outreach from Tromsø University Museum



Inger Greve Alsos

# Exhibitions



130.000 visitors per year

# Tromsø Arctic-Alpine Garden



# Collection accessible online

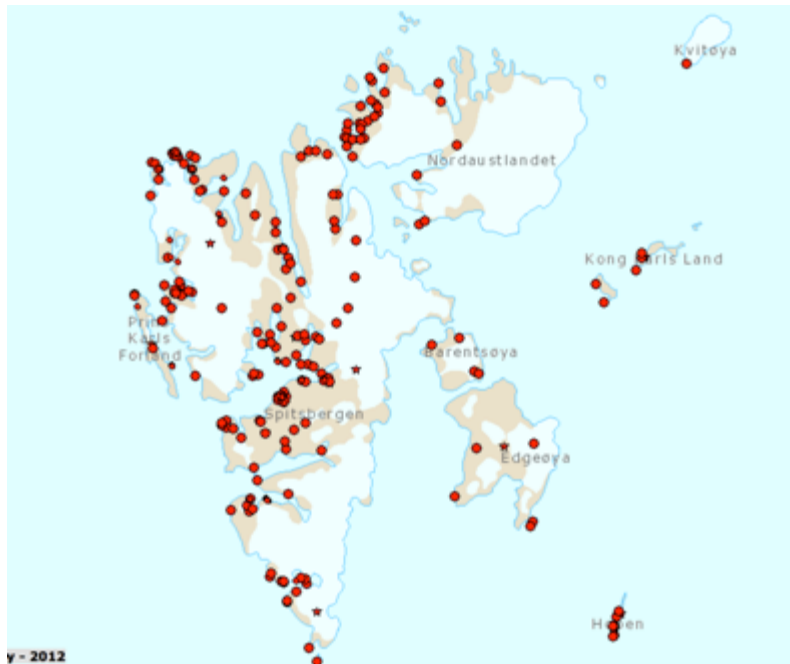


NORWEGIAN BIODIVERSITY  
INFORMATION CENTRE

<http://www.biodiversity.no> (English)

<http://www.artsdatabanken.no> (Norwegian)

# Collection accessible online



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# International access

GBIF

Global Biodiversity Information Facility

Free and Open Access to Biodiversity Data

519,531,548	1,454,694	13,854	644
OCCURRENCES	SPECIES	DATASETS	DATA PUBLISHERS

Data News Community About

Feedback

➤ scientist, stakeholders, general public

# DNA barcoding collections

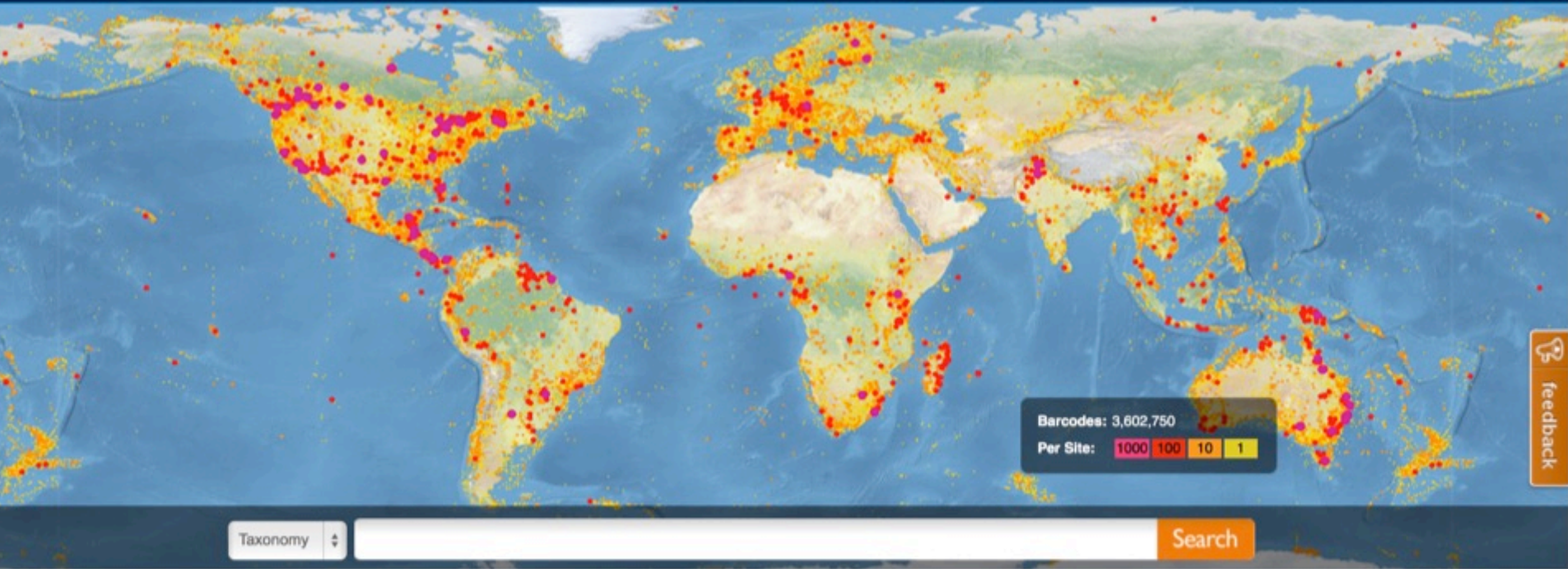


<http://www.norbol.org>

Norwegian Barcode Of Life



- Tool for non-expert to identify species
- Tool for identifying species of unidentifiable life stages or fragments of species



➤ scientist, stakeholders, (general public)

# Getting research results out I



➤ 4 seeds per traveller

Ware et al. 2012. *Biological Invasions* 14: 567-577

# Getting research results out I



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Ware et al. 2012. *Biological Invasions* 14: 567-577



ASSOCIATION OF ARCTIC EXPEDITION CRUISE OPERATORS  
AECO®

AECO Association of Arctic Expedition Cruise Operators  
<http://www.aeco.no/guidelines/biosecurity-guidelines-2/>

# Getting research results out II



Blacklisted *Anthriscus sylvestris*

# Getting research results out II



## Immediate action



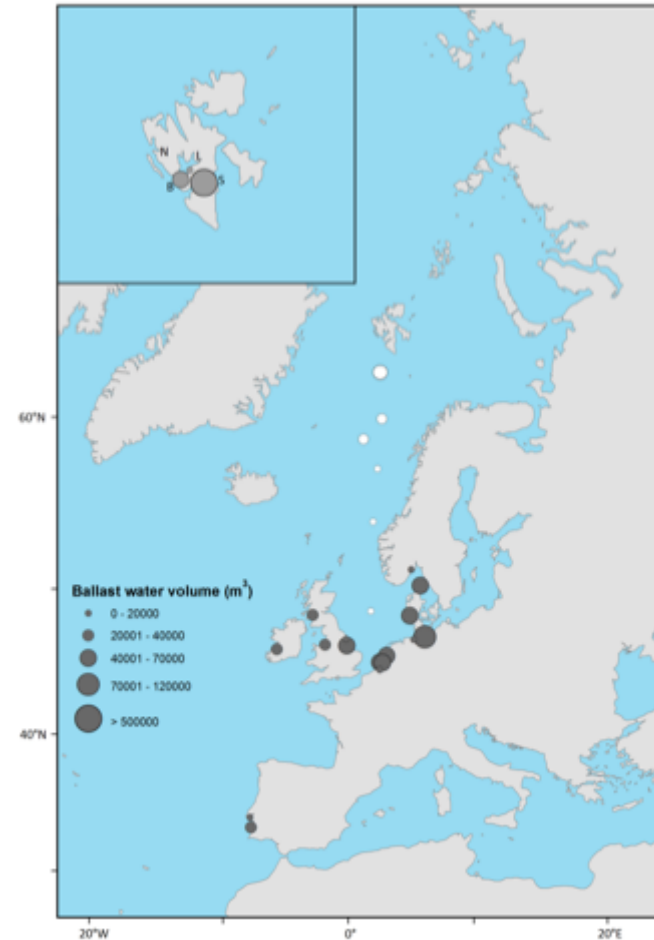
2013

# Getting reasearch out III

## Climate change, non-indigenous species and shipping: assessing the risk of species introduction to a high-Arctic archipelago

Chris Ware<sup>1,2\*</sup>, Jørgen Berge<sup>3,4</sup>, Jan H. Sundet<sup>5</sup>, Jamie B. Kirkpatrick<sup>2</sup>, Ashley D. M. Coutts<sup>6</sup>, Anders Jelmert<sup>7</sup>, Steffen M. Olsen<sup>8</sup>, Oliver Floerl<sup>9</sup>, Mary S. Wisz<sup>10,11</sup> and Inger G. Alsos<sup>1</sup>

Diversity and distribution (2014) 20:10-19



# Getting reasearch out III

Sysselmannen på Svalbard

Handlingsplan mot skadelige fremmede arter på Svalbard

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- Action plan against introduced species

Thank you!

inger.g.alsos@uit.no

<http://en.uit.no/ansatte/inger.g.alsos>



Foto: Chris Ware