



The URCHIN Project:

Utilising the arctic urchin resource

Phil James

Norway stakeholder seminar, Oslo, Norway (3/10/2017)

“Enabling SME’s, Government agencies and local government to develop urchins fisheries in remote areas of the NPA through increased innovation and transfer of new technology in remote sparsely populated areas.”





Northern Periphery and Arctic Programme

2014–2020



EUROPEAN UNION

Investing in your future
European Regional Development Fund



Regions belonging, entirely or partially, to the Northern Periphery and Arctic Programme area

-  National Boundary
-  in EU Member States
-  Outside the EU

SVALBARD



GREENLAND



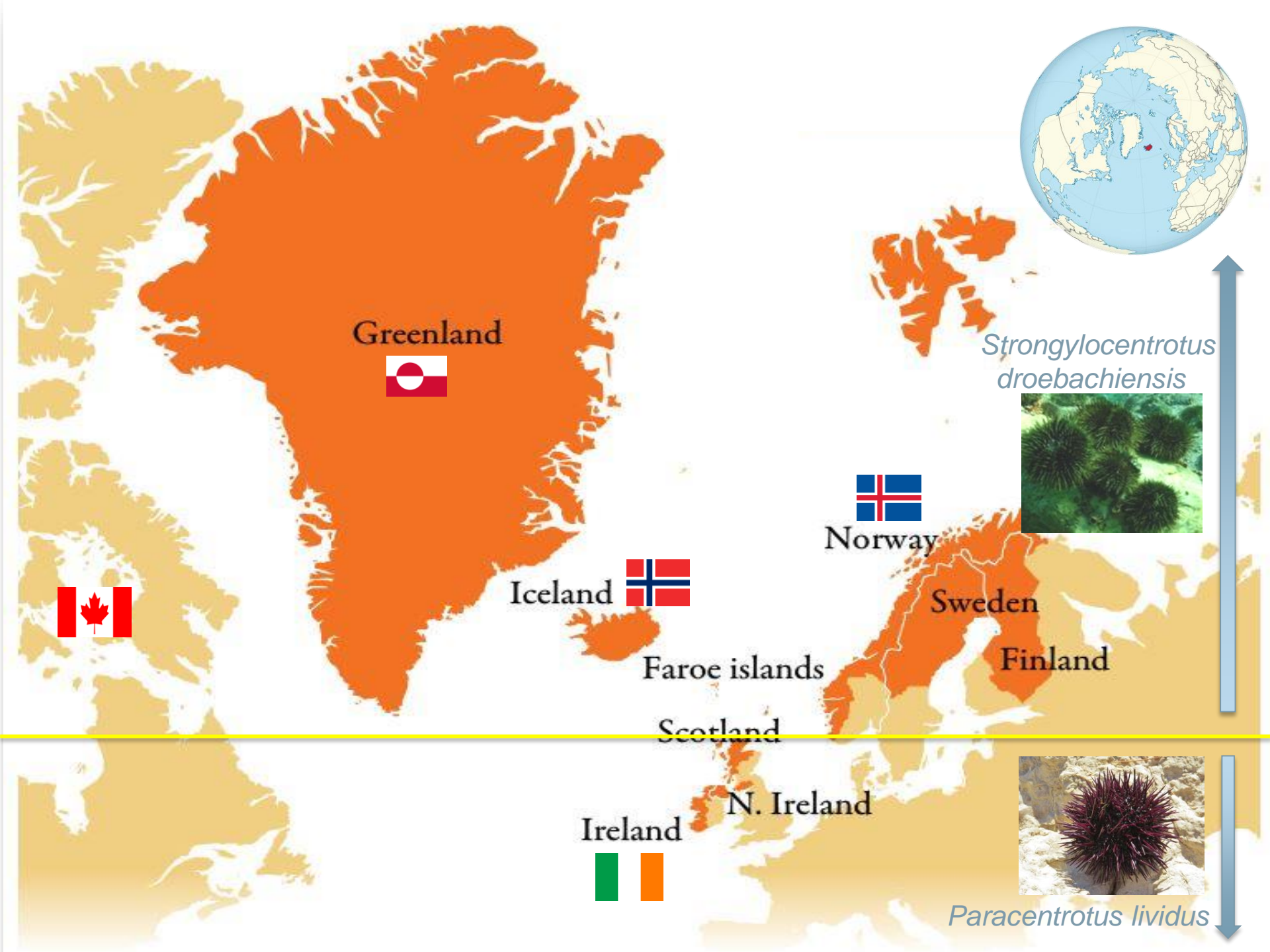
Northern Periphery and Arctic Programme Area 2014 – 2020



NR10124e

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Main Partners



HAFRANNSÓKNASTOFNUN
Rannsókn- og ráðgjafarstofnun hafs og vatna
MARINE & FRESHWATER RESEARCH INSTITUTE



Associated Partners

Lyngsskellan AS

Greenland Institute of Natural Sciences

Scottish Association of Marine Sciences

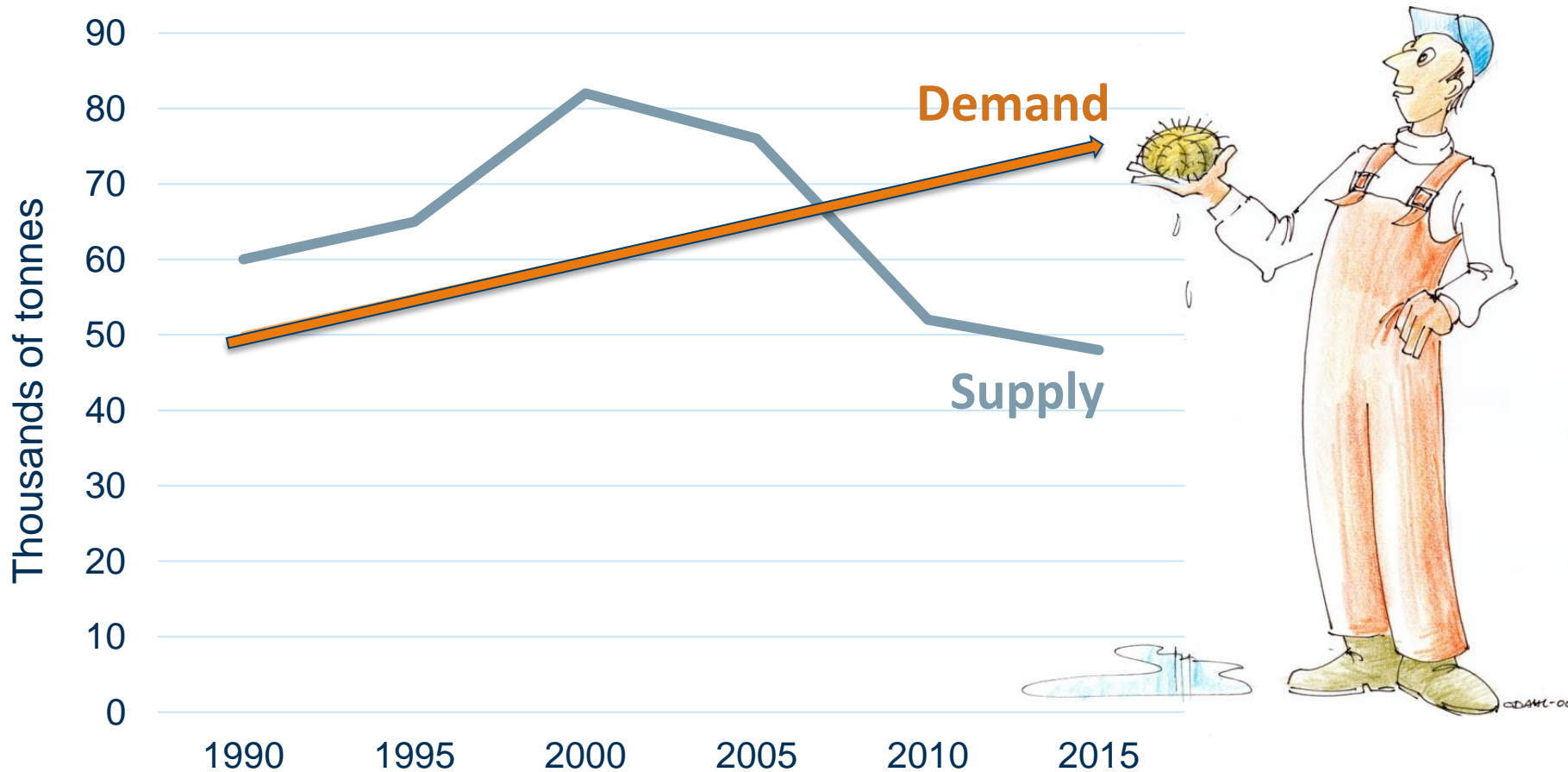
Treanbeg Shellfish Ltd

Mullaghmore Sea farm Ltd

Bord Iascaigh Mhara, (Irish Sea Fisheries Board)

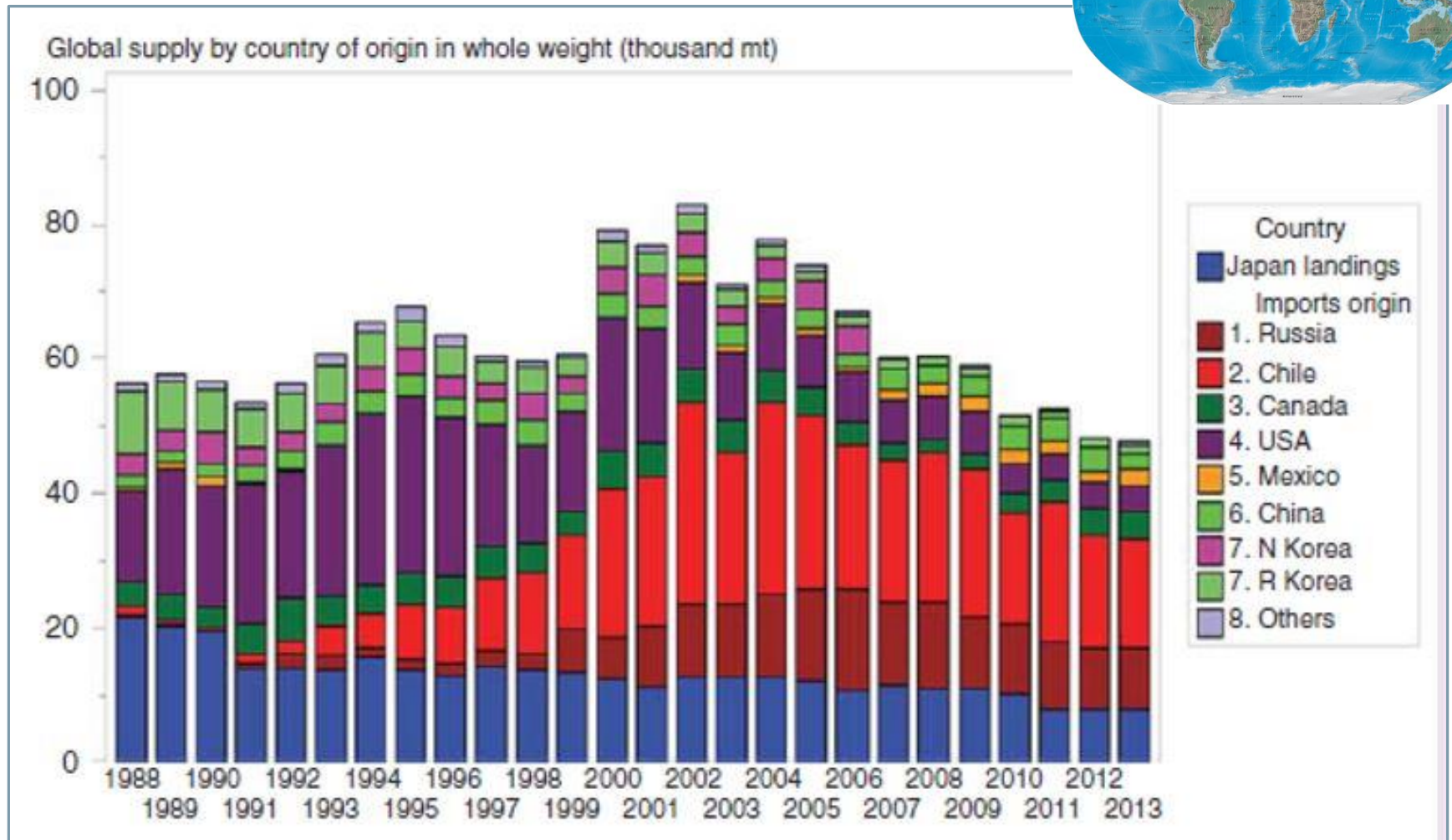


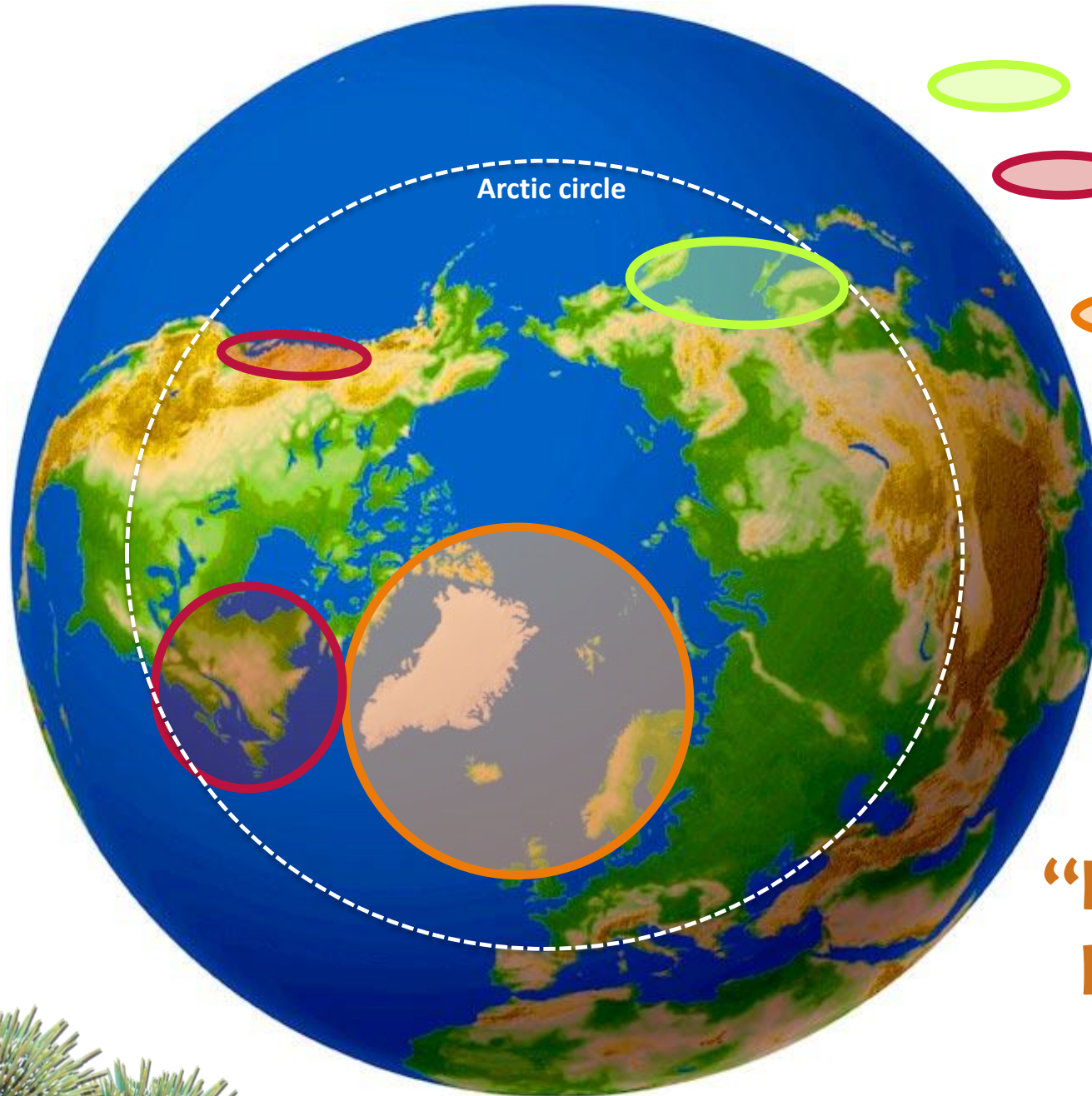
The 'URCHIN' project - Why?



80% consumed in Japan, but where do they come from?

Sea urchin harvest by country





 Russia (13.8%)

 Canada (4.8%)

 NPA (0.003%)

“Why are sea urchins not utilised in the NPA?”

“How can they be utilised?”





**Platform for
establishing/expanding
sea urchin fisheries**

New market
opportunities

The URCHIN Project

Fisheries
Management Frameworks
Implemented

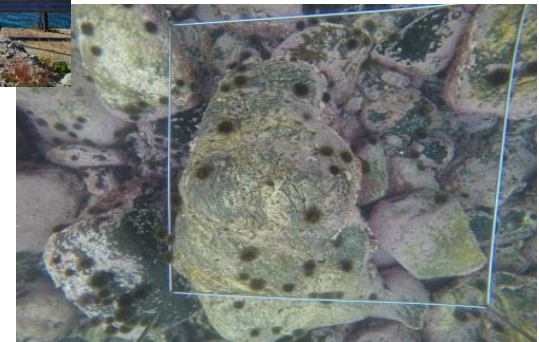
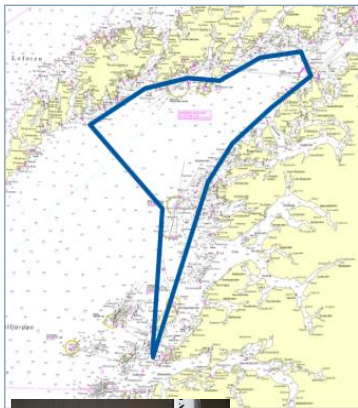
NPA Sea Urchin Network



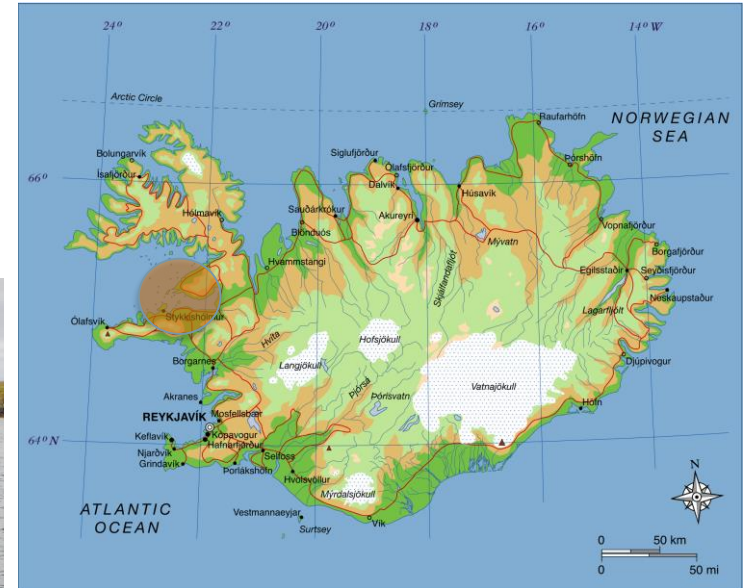
WP 1: Optimise fishing techniques



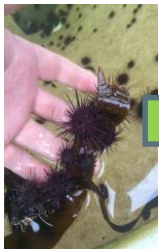
WP 2: Improve stock biomass assessment



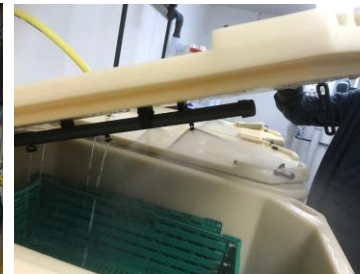
WP 3: Implementation of fisheries management & legislation



WP 4: Reseeding and Roe enhancement



WP 5: Storage & transportation



WP 6: Market assessment & development





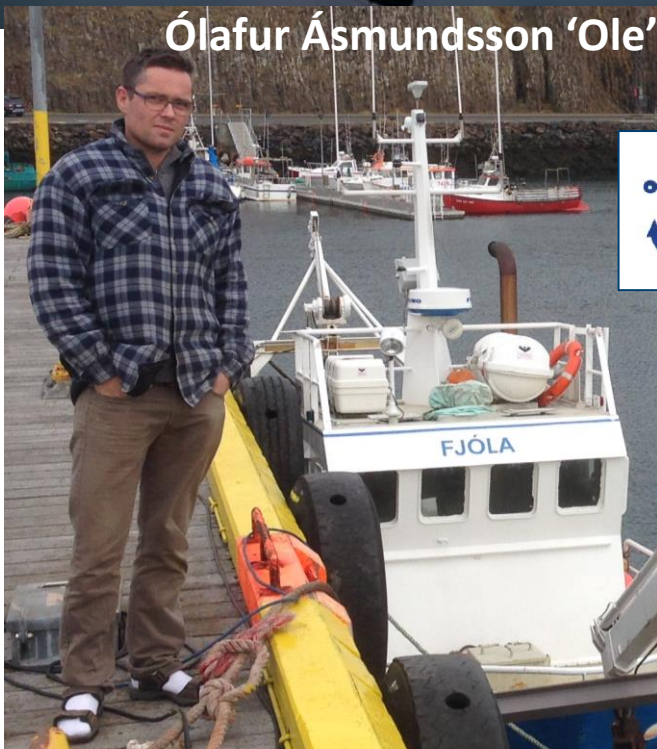
TODAY IN ICELAND



IMPACT



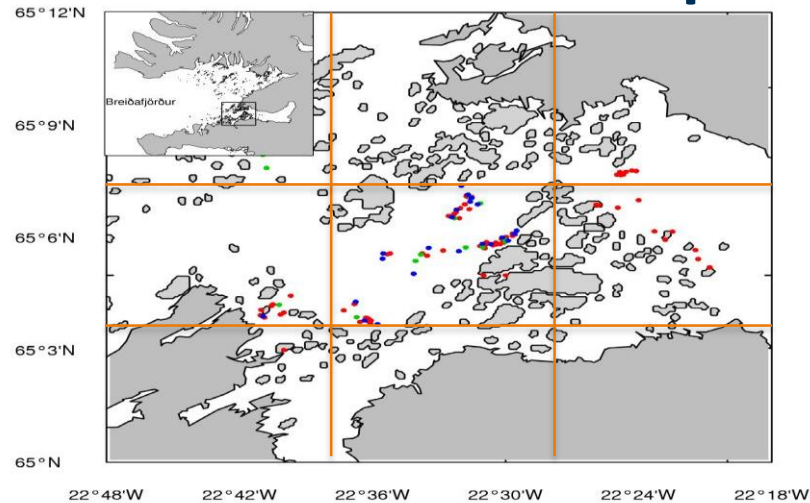
Stykkishólmur, Iceland



Ólafur Ásmundsson 'Ole'



Icelandic Sea Urchin Fisheries Management Plan Implemented



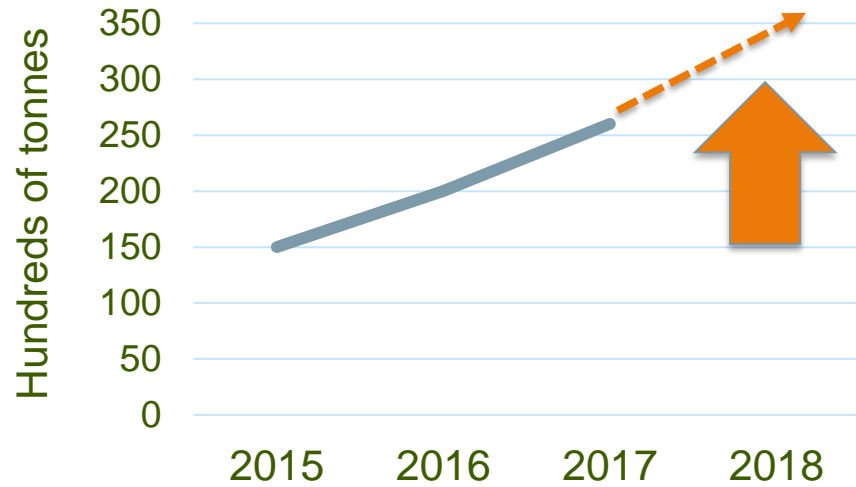
**New products,
customers & markets**



2015 - 2017



Sea urchin landings; Thorisholmi



Staff

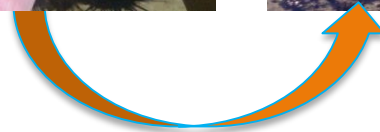


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TODAY IN IRELAND





TODAY IN GREENLAND



Canada

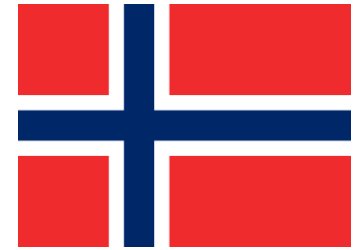
Ekuanitshit First Nations Consortium



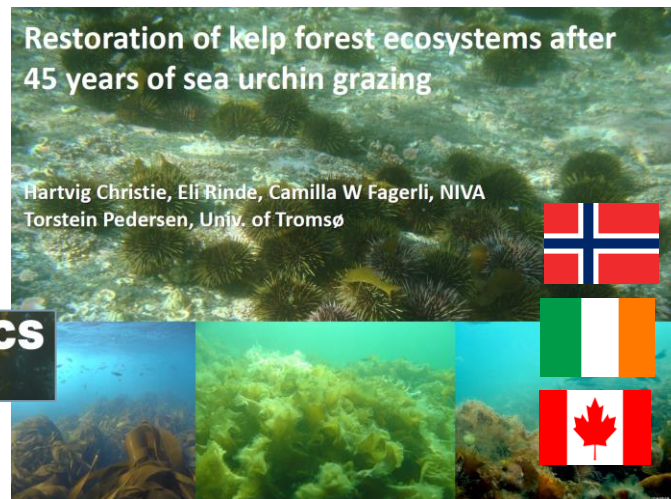
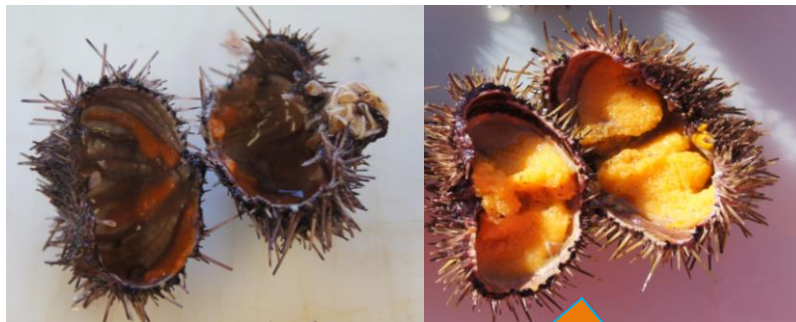
Sea urchin roe enhancement

Kelp restoration





TODAY IN NORWAY



Norwegian commercial scale trial (2016)

Lyngsskellan AS

Urchins from barren's
3.9% initial roe content

20.2% roe content
after 10 weeks



Final Wild: GI = 7.1%



Market placement/value



Japan: (Tsukiji Market)

1000 Yen/100g roe (processed)

(10.6€ / kg whole urchin)



Norway: 300-400 NOK/kg (32 - 43€ / kg whole urchin)



Vulkanfisk AS, Mathallen, Oslo: Sat 30.9.2017

VULKANFISK
Krabbe
TILBUD
Kr 129,-/kg

VULKANFISK
Kråkeboller
Frøstand
Kr 39,- / stk

46€ / kg live whole urchin





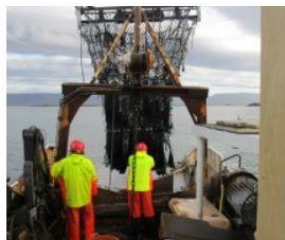
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News

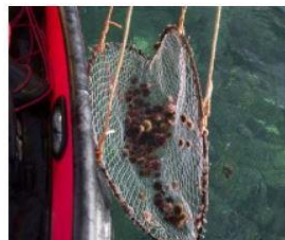


Six Month Newsletter (October 2015)

Six Month Project Newsletter



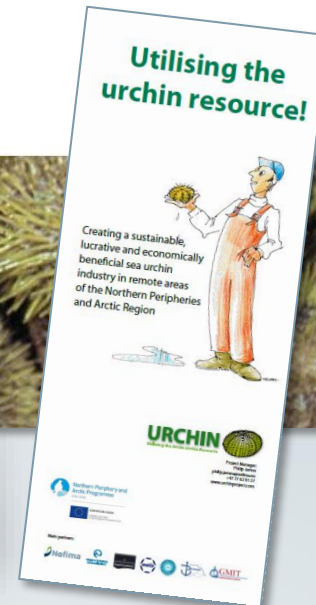
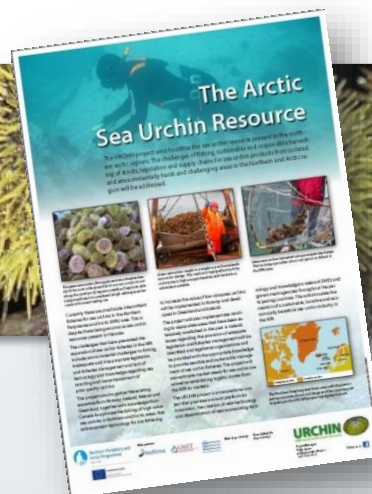
Population monitoring for Government Regulation and for fishing efficiency in Iceland



Development and testing of passive trapping technology for the Norwegian fishery



Start-up meeting in Tromsø



<http://urchinproject.com>



Thanks from the URCHIN team!