

## Vistís 2022 / EcoIce 2022

### Dagskrá / Program

08:15 HÚS OPNAR / HOUSE OPENS

08: 30 SETNING OG ÁVARP FORSETA VISTFRÆÐIFÉLAGS ÍSLANDS /  
CONFERENCE OPENING AND WELCOME WORDS FROM VISTFRÆÐIFÉLAG'S  
CHAIR – Freydís Vigfúsdóttir

08: 40 ÁVARP HAFRANNSÓKNARSTOFNUNAR / WELCOME WORDS FROM  
HAFRANNSÓKNASTOFNUN – Þorsteinn Sigurðsson, Director of MRFI

08: 55 TILKYNNINGAR OG UPPHAF MÁLSTOFA / GENERAL HOUSEKEEPING AND  
START OF SESSIONS - VISTÍS board

#### MÁLSTOFA I / SESSION I – ÞURLENDIS VISTFRÆÐI / TERRESTRIAL ECOLOGY.

Chair: Sandra Granquist

09:00 Winter distribution of Iceland breeding Oystercatchers - The Icelandic Oystercatcher's  
guide to the winter

*Sölvi Rúnar Vignisson, Böðvar Þórisson, Veronica Mendez, José Alves, Jörundur  
Svavarsson, Jenny Gill, Tómas Grétar Gunnarsson*

09:13 Effects of land conversion in sub-arctic landscapes on densities of ground-nesting birds  
*Aldís Erna Pálsdóttir, Jennifer A. Gill, José A. Alves, Snæbjörn Pálsson, Verónica Méndez,  
Tómas G. Gunnarsson*

09:26 The effects of demography, habitat quality and behaviour on shaping the population  
dynamics of Icelandic whimbrels

*Maite Cerezo-Araujo, José A. Alves, Camilo A. Carneiro, Gunnar Þór Hallgrímsson, Tómas  
G. Gunnarsson*

09:39 Do whimbrel chicks find enough food in Iceland?

*Camilo Carneiro, Tómas G. Gunnarsson, José A. Alves*

09:52 Estimation of population dynamics in white-tailed eagles in Iceland and Greenland  
based on analysis of whole genome data

*Áki Jarl Lárusson, Charles C. R. Hansen, Snæbjörn Pálsson*

10:05 KAFFIHLÉ OG VEGGSPJÖLD / COFFEE BREAK AND POSTER SESSION (15  
MIN)

#### MÁLSTOFA II / SESSION II – LÍFFRÆÐILEG FJÖLBREYTNÍ OG VERNDARLÍFFRÆÐI / BIODIVERSITY AND CONSERVATION

Chair: Hrönn Egilsdóttir

10:20 Managing problematic plants in Reykjavík

*Mervi Orvokki Luoma, Mariana Lucia Tamayo*

10:33 *Pseudomonas syringae* on Plants in Iceland Has Likely Evolved for Several Million Years Outside the Reach of Processes That Mix This Bacterial Complex across Earth's Temperate Zones

*Natalia Ramírez, Cindy Morris, Oddur Vilhelmsson, Margrét Auður Sigurbjörnsdóttir*

10:46 Faecal nutrient contribution of different herbivore species on an alpine ecosystem

*Laura Barbero-Palacios, Emmanuel Serrano, Isabel C. Barrio, José Antonio Carreira, Jennifer Adams Krumins*

10:59 Iceland: A Hotspot for Intraspecific Diversity?

*Anthony James Schultz, BIODICE network*

11:12 Restoring wetlands, streams and lakes for fishes

*Jóhannes Guðbrandsson, Ásgerður Elín Magnúsdóttir, Ingólfur Pétursson, Iðunn Hauksdóttir, Hlynur Óskarsson*

11:25 KAFFIHLÉ OG VEGGSPJÖLD / COFFEE BREAK AND POSTER SESSION (25 MIN)

### **MÁLSTOFA III / SESSION III – VISTFRÆÐI HAFS OG VATNA / AQUATIC ECOLOGY I**

Chair: Guðmundur J. Óskarsson

11:50 A new laboratory to investigate the impact of multiple drivers on ocean life

*Einar Pétur Jónsson, Agnar Steinarsson, Hrönn Egilsdóttir, Ragnar Jóhannsson, Tómas Árnason*

12:03 Ecology of digenean infections in the common whelk *Buccinum undatum* – a case study from Breiðafjörður, Iceland

*Hildur Magnúsdóttir, Árni Kristmundsson, Snæbjörn Pálsson, Zophonías O. Jónsson, Erla Björk Örnólfsdóttir*

12:16 There's no place like home: How host physiology shapes symbiont microniches in a marine symbiosis

*Marta Sudo, Vesna Micic Batka, Jay Osvatic, Benedict Yuen, Thorsten Hueffer, Jillian Petersen*

12:29 The social aspects of biological invasions – involving stakeholders in the research on the establishment of the European flounder (*Platichthys flesus*) in Iceland

*Theresa Henke, Guðbjörg Ásta Ólafsdóttir*

12:42 HÁDEGISHLÉ / LUNCH BREAK (50 MIN)

### **MÁLSTOFA IV / SESSION IV – VISTFRÆÐI HAFS OG VATNA / AQUATIC ECOLOGY II**

Chair: Hlynur Bárðason

13:25 How is spatial cognition shaped in sympatric morphs of Arctic charr from Vatnshlíðarvatn?

*Sabine Lobligeois, Marion Dellinger, Margaux Van Hussel, David Benhaïm*

13:38 Are environment and personality impacting the learning abilities of a wild anadromous Arctic charr population (*Salvelinus alpinus*)?

*Margaux Vanhussel, Marion Dellinger, Gabrielle Ladurée, David Benhaim*

13:51 Spatial Ecology of Sympatric Juvenile Atlantic Cod and Saithe at Nursery Grounds

*Anja Katrin Nickel, Guðbjörg Ásta Ólafsdóttir*

14:04 Inter and intraspecific variation in how anthropogenic impact correlates with near-shore fish movement

*Michelle L. Valliant, Guðbjörg Ásta Ólafsdóttir*

14:17 KAFFIHLÉ OG VEGGSPJÖLD / COFFEE BREAK AND POSTER SESSION (40 MIN)

15:00 PALLBORÐSUMRÆÐA UM HLUTVERK STOFNANA Í ÞJÁLFUN  
FRAMHALDSNEMA / PANEL DISCUSSION ON THE ROLE OF RESEARCH  
INSTITUTES IN GRADUATE STUDENT DEVELOPEMENT

17:00 AÐALFUNDUR / ANNUAL GENERAL MEETING

17:30 VEGGSPJÖLD OG VEITINGAR / POSTERS AND REFRESHMENTS

## POSTERS

Cool biocrust: A long-term warming experiment with subarctic biological soil crust  
*Alejandro Salazar, Ólafur Andrésson*

A Whale Trail for Iceland: How to realize Iceland's potential for land-based marine mammal observation  
*Barbara K. Neubarth, Verónica Méndez Aragón, Paul J. Wensveen*

Acoustic behaviour of the northern bottlenose whale (*Hyperoodon ampullatus*) within the North Atlantic soundscape  
*Caroline E. Haas, Patrick J. O. Miller, Sascha K. Hooker, Jörundur Svavarsson, Paul J. Wensveen*

Using parasites for stock discrimination of Icelandic cod  
*Francesco Golin, Haseeb Randhawa*

Assessment of diversity of macroinvertebrates in freshwater springs using eDNA  
*Hafrún Gunnarsdóttir, Agnes-Katharina Kreiling, Bjarni K. Kristjánsson, Snæbjörn Pálsson*

TUNDRASalad: evaluating the role of herbivore diversity on tundra ecosystems  
*Isabel C. Barrio, Laura Barbero-Palacios, Noémie Boulanger-Lapointe, Mathilde Defourneaux, David S. Hik, Elina Kaarlejärvi, Eeva M. Soininen, James D. M. Speed, and the TUNDRASalad team*

The Puffling Patrol: A citizen-science initiative to monitor the number and state of Atlantic Puffin fledglings during the fledging season in Heimaey Island, Vestmannaeyjar.  
*Margrét Lilja Magnúsdóttir, Gígja Óskarsdóttir, Erpur Snaer Hansen, Rodrigo A. Martinez Catalan*

Assessing long-term changes in vertebrate herbivore communities and herbivory pressure across Iceland over seven decades  
*Mathilde Defourneaux, Noémie Boulanger-Lapointe, James D. M. Speed, Isabel C. Barrio*

Relationship between plant palatability and ecosystem conditions in the Icelandic grazing commons  
*Noémie Boulanger-Lapointe, Ian Klupar, Bryndís Marteinsdóttir, Rán Finnsdóttir, Ingibjörg Svala Jónsdóttir*

Biodiversity as preservation of difference  
*Ole Martin Sandberg, Skúli Skúlason, Anthony Schultz*

Urban bird diversity: does abundance and richness vary unexpectedly with green space attributes?  
*Rebecca Thompson, Mariana Tamayo, Snorri Sigurðsson*

The status of the Icelandic harbour seal (*Phoca vitulina*) population: 40 years of monitoring trends (1980-2020) and the current threats to the population  
*Sandra M. Granquist*

Effect of physical enrichment on the brain shape of Arctic charr Large Benthic morph from Lake Þingvallavatn

*Ylva Poirier, Alannah Gourlaouen, Marion Dellinger, Leslie Lafouasse, David Benhaim*