

GLACIAL TOURISM IN A WARMING WORLD / TURISMO GLACIAL EN TIEMPOS DE CAMBIO CLIMÁTICO

Winds of Change Symposium
December 9-10, 2021

THE
NICE
TOURIST



Latin America
Centre of
Asia-Pacific Excellence



QUIENES SOMOS/ WHO WE ARE



KAELI LALOR

Geologist
MsC Climate Science
University of Otago, NZ



GONZALO NAVARRO

Geologist, PhD (c) in Energy,
Water and Environment
University of La Serena, Chile



PAULINA MEJÍAS-OSORIO

Geologist
University of Concepción, Chile



JAVIERA OTERO

Postgraduate Diploma in
Applied Management
EIT, NZ

EL PROYECTO / THE PROJECT

AIM:

To look at ways Chile and New Zealand are promoting to conserve glaciers and generate sustainable tourism.

Glacial Retreat & Tourism

Identify how tourism impacts glaciers



Sustainability & Glacial Tourism

A platform that provides information about glacial tourism

THE NICE TOURIST

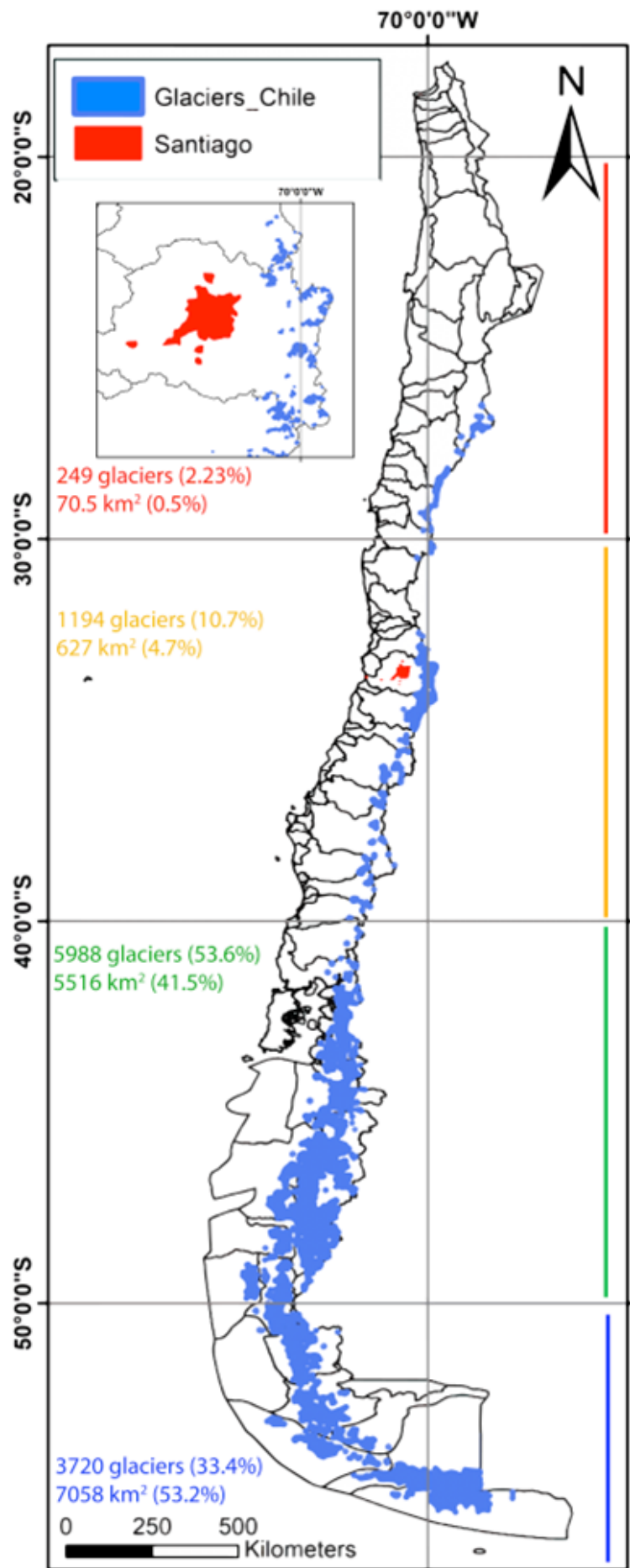


Key Questions

1. **Why do we care about glaciers?**
2. **Humans & glaciers**
What is our impact?
3. **Glaciers in a warming world**
What will happen?
4. **What can we do?**
What is a "Nice Tourist"?



SIMILITUDES / SIMILARITIES



- New Zealand:
>3,000 glaciers (794 ± 34 km²)
- Chile:
>24,000 glaciers (21,000 km²)

Glaciers are important water and recreational resources that are extremely sensitive to changes in climate.

Los glaciares son reservas de agua dulce y un gran atractivo turístico. Además son muy sensibles a cambios en el clima.

EL PROBLEMA / THE PROBLEM

 JOHN BISSET/STUFF



New Zealand

 ABERTO DE AGOSTINI



Marinelli
Glacier in 1914

 PROYECTO POSTALES DE HIELO



Marinelli
Glacier in 2021

Chile

Franz Josef
Glacier in 2007



 CHRISTOPH KRAUS

Franz Josef
Glacier in 2021



LOS EXPERTOS / THE EXPERTS



JAMES RENWICK

Head of School (Geography),
Victoria University, New Zealand



FUNDACIÓN GLACIARES CHILENOS

Educators for the care and protection
of glaciers. Chile



HEATHER PURDIE

Senior Lecturer, University of
Canterbury, New Zealand



SAM PARSONS

Climate Change
Programme Manager,
Department of Conservation, NZ

Why do we care about glaciers?

GLACIERS ARE ALWAYS CHANGING,
BUT WHAT DOESN'T CHANGE IS HOW
IMPORTANT THEY ARE TO HUMAN AND
ENVIRONMENTAL WELFARE

LOS GLACIARES SIEMPRE ESTÁN
CAMBIANDO, PERO LO QUE NO CAMBIA
ES LA IMPORTANCIA DE LOS GLACIARES
PARA LOS HUMANOS Y EL MEDIO
AMBIENTE



"Glacier meltwater is a really important source of drinking water, and for life, essentially..."

They are important for us and ecosystems because of the interaction between the building up and melting of the ice... "

Humans & Glaciers

- what is our impact?



"Climate change is the biggest impact. Tourism in glaciers is minimal if it is compared with gas emissions, high temperatures and the use of fossil fuels..."

Continuing high gas emissions will mean that temperatures will keep rising and glaciers will keep shrinking."

GLACIERS DEFINE THE
LANDSCAPE AND THE CULTURE
OF THE PEOPLE WHO INHABIT
THAT LANDSCAPE

LOS GLACIARES DEFINEN EL
PAISAJE Y LA CULTURA DE
LAS PERSONA QUE HABITAN
ALREDEDOR DE ELLOS

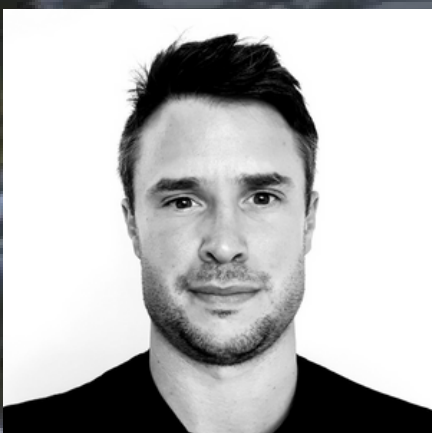
Glaciers in a warming world

ORGANIZATIONS WHO THINK ICE IS NICE



"The main human impact on glaciers through large industries and greenhouse gases emissions...

More damaging is the fact of being unfriendly to the environment..."



"We have a duty of care to both the visitors to the area and to the businesses operating in the area..."

Making sure they provide experiences that are resilient, safe and sustainable long-term."



THE EFFECT OF WALKING ON
GLACIERS IS SO MINIMAL
THAT IT IS BETTER TO
EDUCATE THAN TO
PROHIBIT.

EL EFECTO DE CAMINAR
SOBRE GLACIARES ES
MÍNIMO, POR LO QUE ES
MEJOR EDUCAR QUE
PROHIBIR

What is a "Nice Tourist"?

*Research businesses that
support sustainable practice*

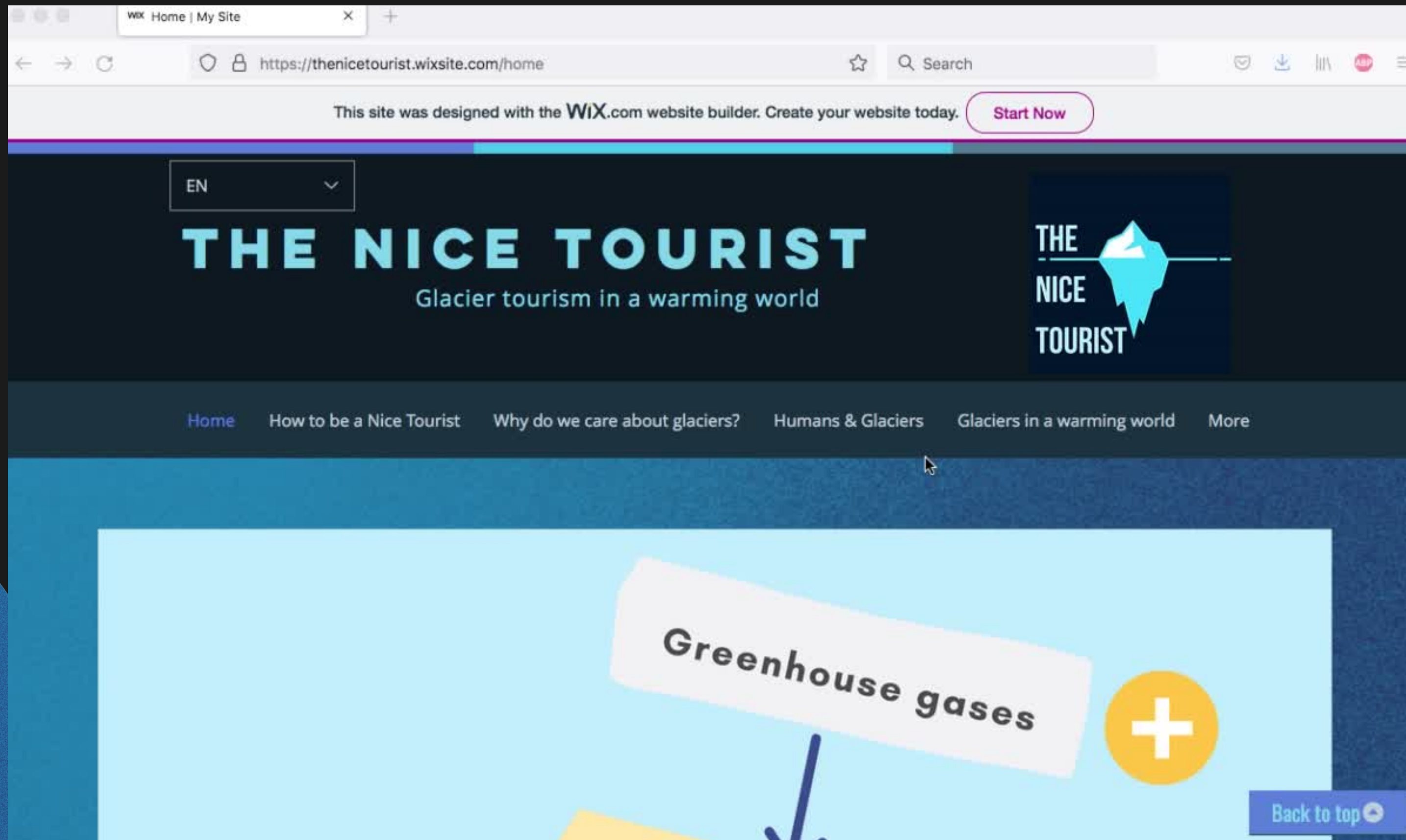
*Become informed;
connect with communities in your travels*

Travel slow, stay long

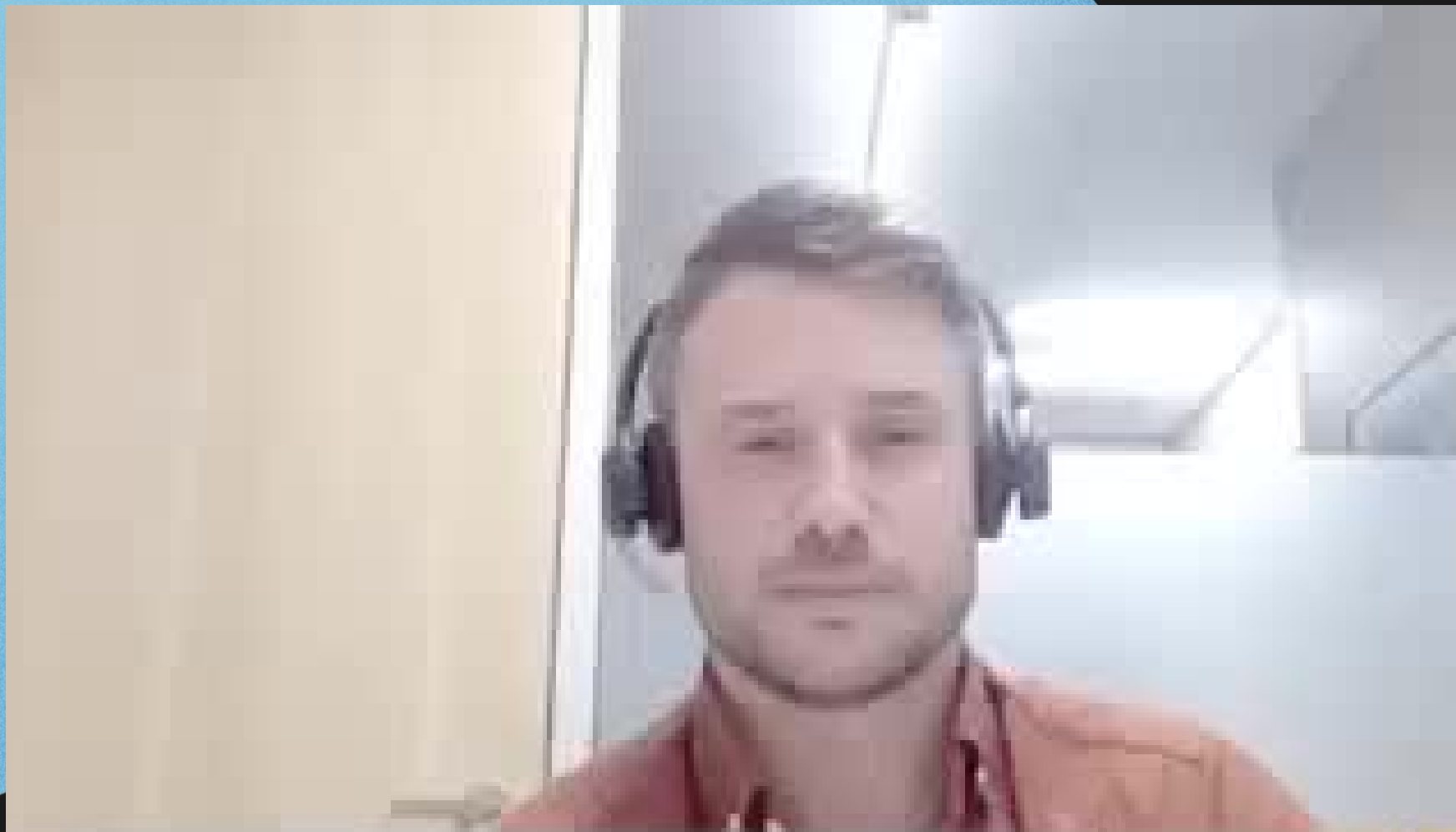
WE SHOULD CARE ABOUT
GLACIERS JUST LIKE WE SHOULD
CARE ABOUT THE WHOLE
PLANET, IT DEFINES WHO WE
ARE

LOS HUMANOS DEBERÍAMOS
CUIDAR DE LOS GLACIARES ASÍ
COMO TAMBIÉN LO DEBERÍAMOS
HACER CON TODO EL PLANETA

Our Website



**PALABRAS DE LOS EXPERTOS... /
MESSAGES FROM THE EXPERTS...**



And now to just wrap up this conversation,
Y ahora para concluir esta conversación,

GLACIAL TOURISM IN A WARMING WORLD / TURISMO GLACIAL EN TIEMPOS DE CAMBIO CLIMATICO

Winds of Change Symposium
December 9-10, 2021



THE NICE TOURISTS

Image sources

- <https://www.glaciareschilenos.org/donde-podemos-encontrar-glaciares-en-chile/>
- <https://teara.govt.nz/en/map/10727/new-zealand-glaciers>
- <https://www.postalesdehielo.com/glaciares>
- <https://www.stuff.co.nz/travel/green-travel/300094145/five-ways-tourism-in-new-zealand-could-become-more-sustainable>
- <https://www.newshub.co.nz/home/new-zealand/2021/02/climate-change-then-and-now-photos-show-franz-josef-glacier-s-rapid-retreat.html>

Video content used in this presentation is from Canva.com



Latin America
Centre of
Asia-Pacific Excellence

