


Polar science in Lithuania: first steps

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Three decades of marine science in Lithuania

- 
- 2018
 - **Marine Research Institute**
 - 44 researchers (PhD)
 - 22 PhD students
 - 27 ongoing international/national research projects
 - 2018 budget: 3.8 mln. EUR (governmental funding – 26%; the rest – projects & services)
 - 2003
 - PhD studies programme in Marine Ecology and Environmental Sciences.
 - 1998
 - Coastal Research and Planning Institute of KU
 - 1991
 - **Establishment of Klaipėda University**
 - 1988
 - Episodic studies by the institutes of the LT Academy of Sciences
 - Marine environmental monitoring, Klaipėda hydrometeorological observatory



- **Plankton and benthic ecology**
- **Harmful algal blooms, food webs**
- **Invasion biology**
- **Aquatic biogeochemistry**
- **Environmental modelling**
- **Remote sensing**
- **Biotechnology and aquaculture**
- **Coastal zone management**

Three decades of marine science in Lithuania



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ShanghaiRanking's Global Ranking of Academic Subjects 2018 - Oceanography

Field : Natural Sciences ▾ Subject : Oceanography ▾ Methodology

World Rank	Institution*	Country/Region	Total Score	Score on PUB ▾
1	University of Washington		280.5	76.9
2	University of California, San Diego		268.7	72.6
3	Oregon State University		241.8	63.8
4	University of Southampton		237.4	62.3
5	Utrecht University		220.4	63.7
151-200	Klaipeda University			24

- In Academic ranking of World Universities (2018), **Klaipėda University** is among the **top 200 universities in Oceanography** and
- among the **top 10 universities (in Oceanography) in the Baltic Sea region** (together with the Universities of Stockholm, Aarhus, Gothenburg, Kiel, Copenhagen, Helsinki, Swed. Univ. of Agricult. Sc., Uppsala and Tartu)

**PUB is the number of papers authored by an institution in an Academic Subject during the period of 2012-2016. Only papers of 'Article' type are considered.

Data are collected from Web of Science and InCites. Papers in different Web of Science categories are grouped into relevant Academic Subjects (Classification of Web of Science Categories into Academic Subjects).

Ornithological studies
Kolguev island, Arctic Russia, 2016-2018



Benthic research
Svalbard, 2005, 2018



ADAMANT

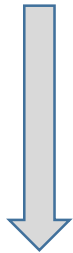
Arctic benthic ecosystems under change: the impact of deglaciation and boreal species transportation by macroplastic

A research project funded by the Polish-Lithuanian Funding Initiative DAINA

- **Aim:**
to describe the mechanism of the colonization of the deglaciated arctic coasts by boreal species.
- **Methods:**
underwater remote sensing, hydroacoustic surveys, satellite imagery, sediment chemistry, environmental genetics, invasion biology, empirical modelling littoral excursions, macroplastic study.
- **Duration:**
36 months, 10.2018 – 10.2021
- **Budget:** € 353,990

boreal species
under change
ecosystems
invasion biology plastic boxes
macroplastic
flora barrels fauna
remote video rafting benthic
Spitsbergen
nets
tidal glaciers biogeography deglaciation
satellite imagery
warming island
hydroacoustic
epigenetic variation
new habitats **Arctic**

Perception of Arctic issues among young Lithuanian learners



LT

Anquetting on social relevance of exotic research
Anonymous, just indicate your age please

Address each question with a rank from 1 (very little) to 5 (agree very much)

- In school I have learned mostly about**
 - A) Polar regions 1.....2.....3.....4.....5
 - B) Jungle 1.....2.....3.....4.....5
 - C) Hot Deserts 1.....2.....3.....4.....5
 - D) Oceanic islands 1.....2.....3.....4.....5
- In school I was most interested to learn about**
 - A) Jungle 1.....2.....3.....4.....5
 - B) Polar regions 1.....2.....3.....4.....5
 - C) Oceanic islands 1.....2.....3.....4.....5
 - D) Hot deserts 1.....2.....3.....4.....5



- National Science festival “Spaceship Earth”
- Anquetting of the participants (BEFORE the lecture “Klaipėda University and Arctic Ocean research: mission possible?”)

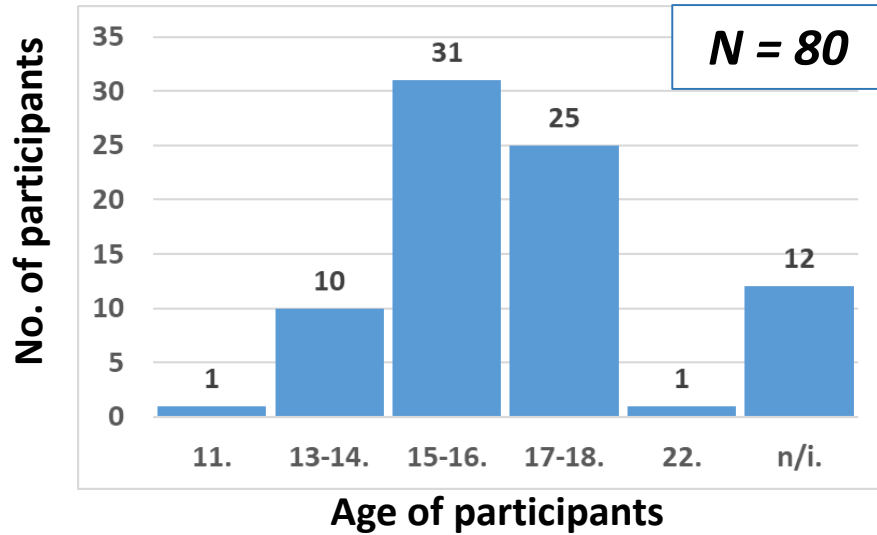


KLAUSIMYNAS APIE EGZOTINIŲ TYRIMŲ SVARBĄ SOCIALINIŲ ATŽVILGIU
Anketa anoniminė, jei galite nurodykite tik savo amžių

Atsakant į klausimą nurodykite atitinkamai nuo 1 (labai mažai/ne sutinku) iki 5 (labai daug/sutinku)

- Mokykloje daugiausiai sužinojau apie**
 - A) Poliariniai regionai 1.....2.....3.....4.....5
 - B) Drėgnieji atogrąžų miškai/Džiunglės 1.....2.....3.....4.....5
 - C) Dykumos 1.....2.....3.....4.....5
 - D) Okeaninės salos 1.....2.....3.....4.....5
- Mokykloje aš labiausiai domiuosi/domėjausi apie**
 - A) Drėgnieji atogrąžų miškai/Džiunglės 1.....2.....3.....4.....5
 - B) Poliariniai regionai 1.....2.....3.....4.....5
 - C) Okeaninės salos 1.....2.....3.....4.....5
 - D) Dykumos 1.....2.....3.....4.....5

Perception of Arctic issues among young Lithuanian learners

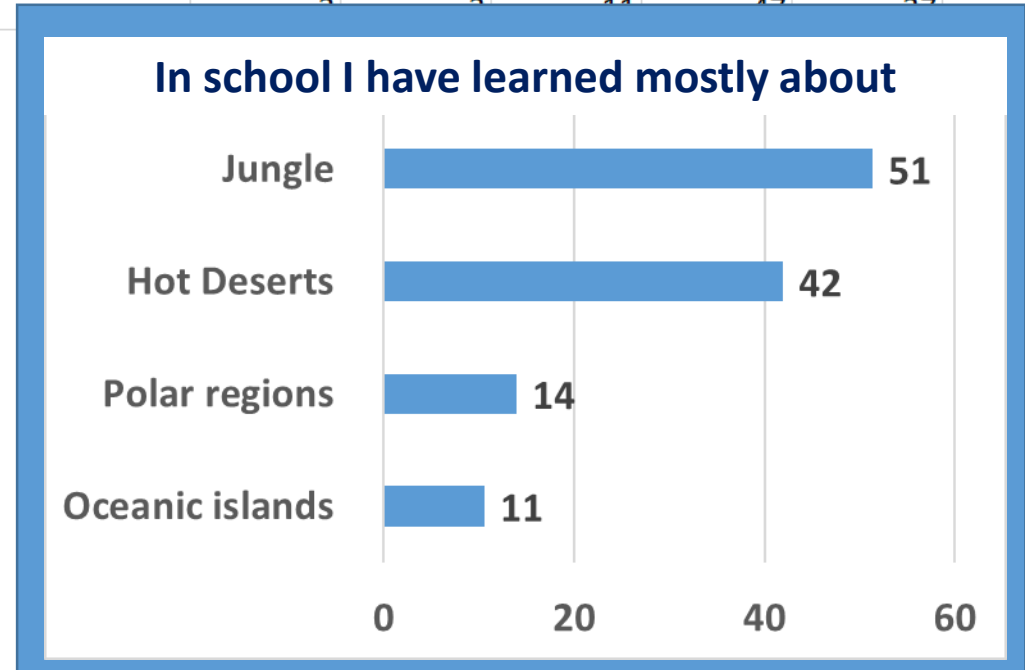
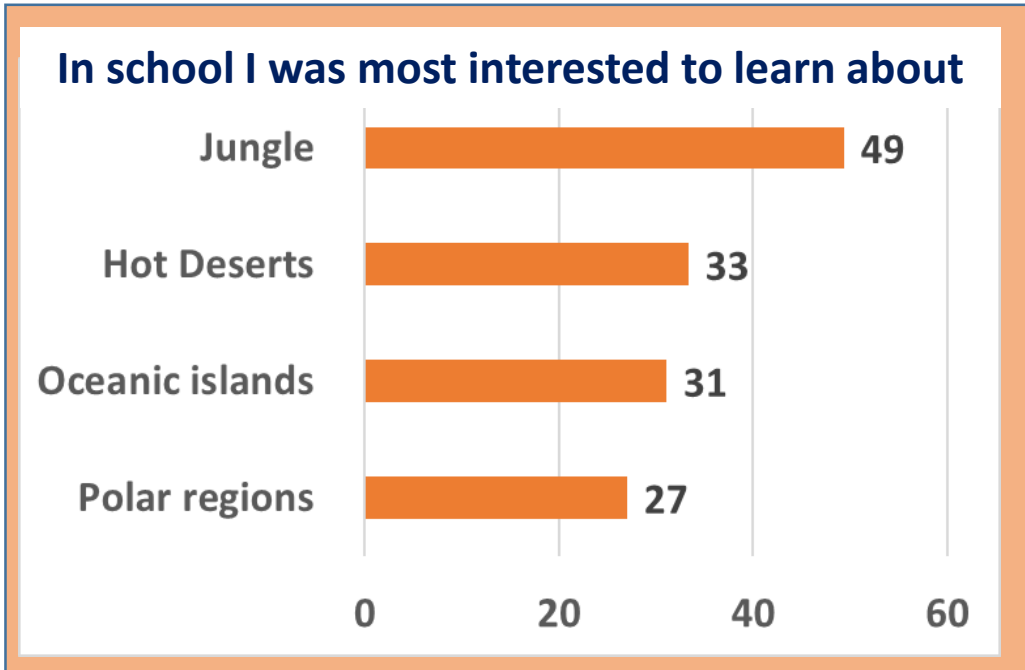


Task: address each question with a rank from 1 (very little) to 5 (agree very much)

1 2 3 4 5

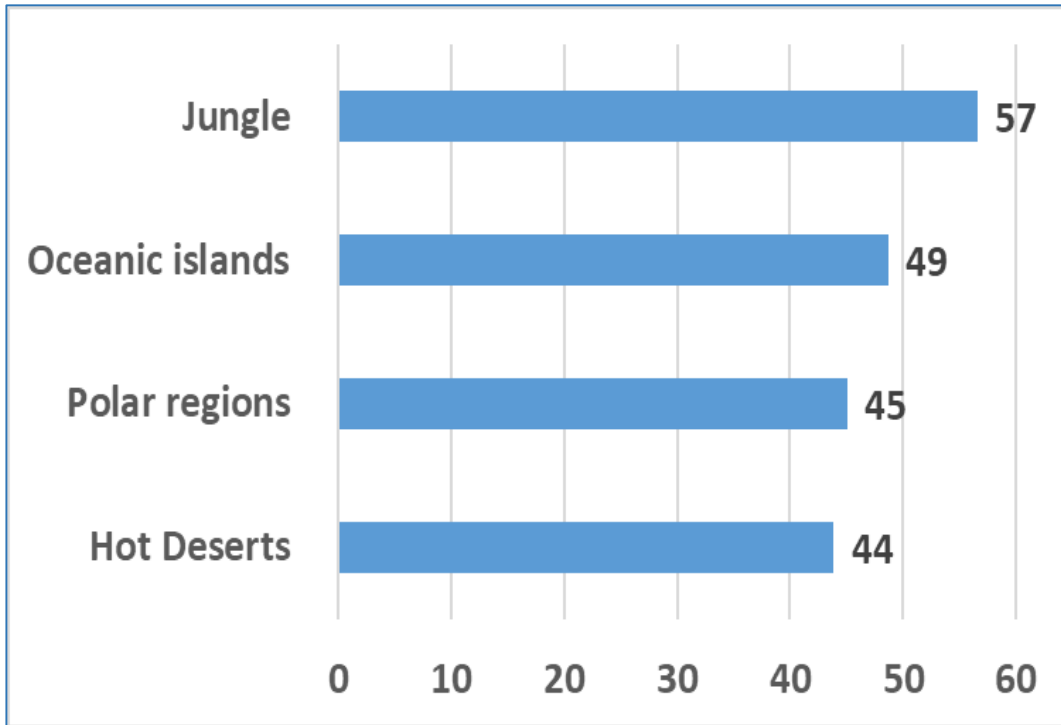
%	Ranking					Total
	1	2	3	4	5	
Hot Deserts						100
Polar regions						100
Oceanic islands	6	15	15	31	33	100
Jungle	2	2	11	47	37	100

% of participants that indicated scores 4 and 5 answering the question



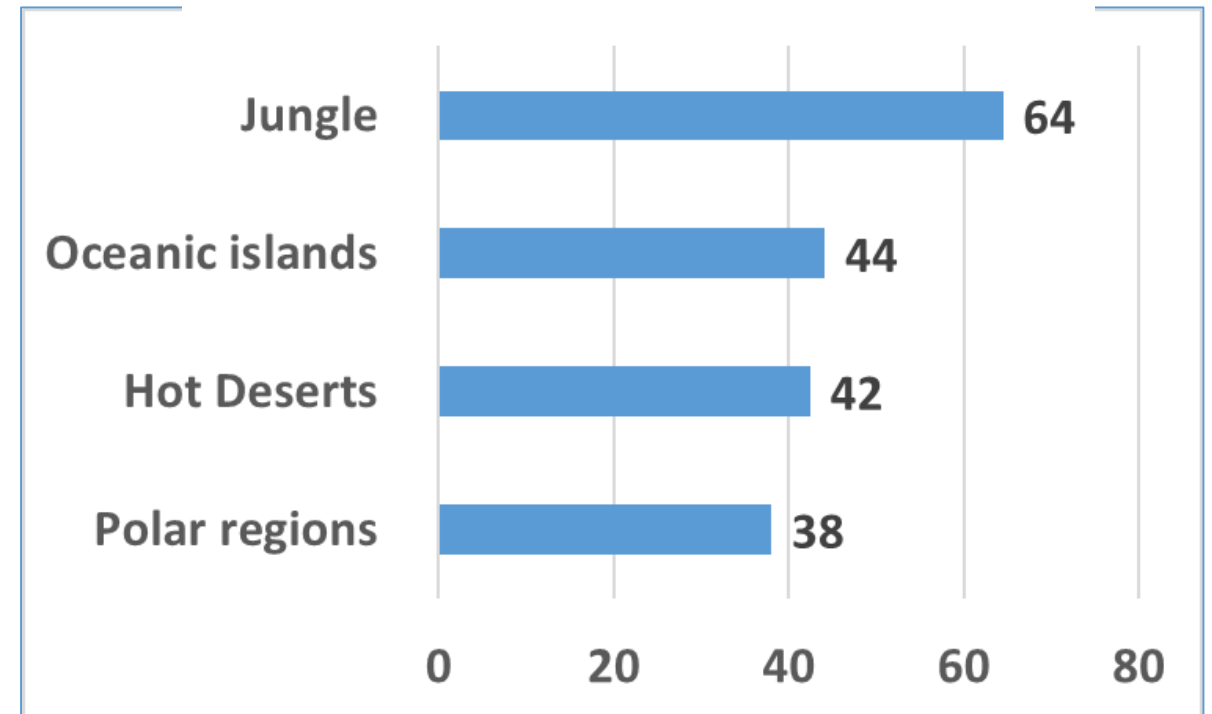
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I was seeing feature movies in cinema / TV about exploration



% of participants that indicated scores 4 and 5 answering the question

I think the most interesting were stories about

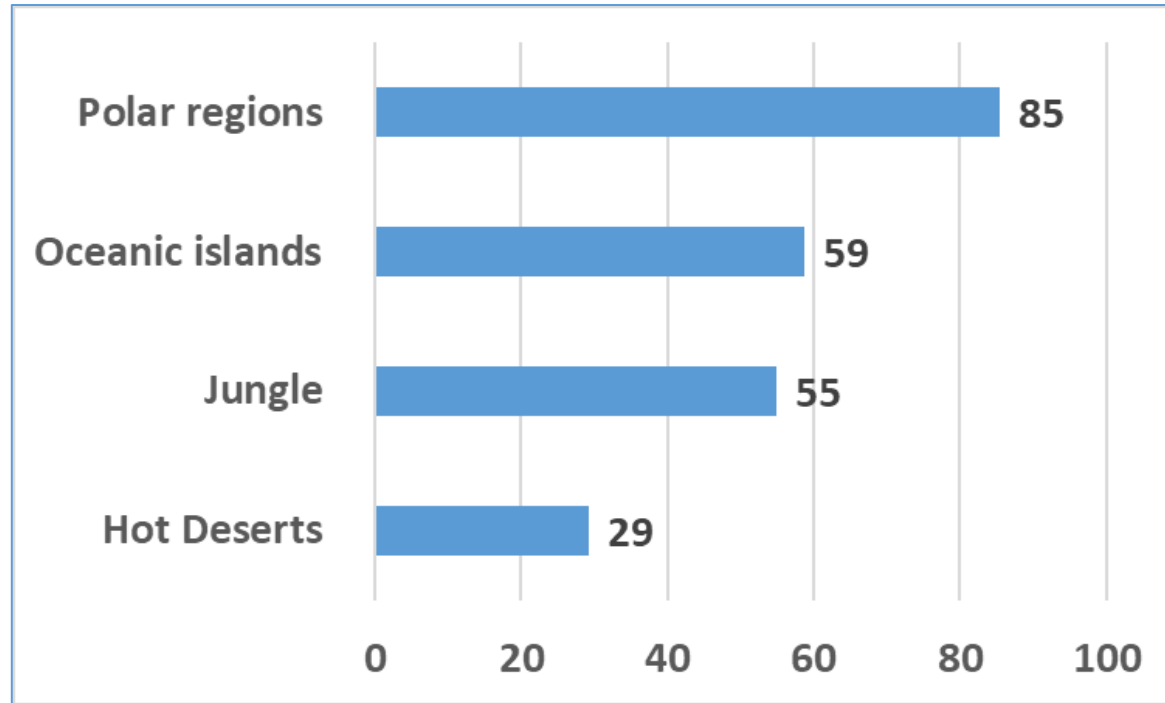


% of participants that indicated scores 4 and 5 answering the question

Polar regions are not sufficiently reflected in films and TV programs, the stories about them are not so interesting (comparing with other environments)!

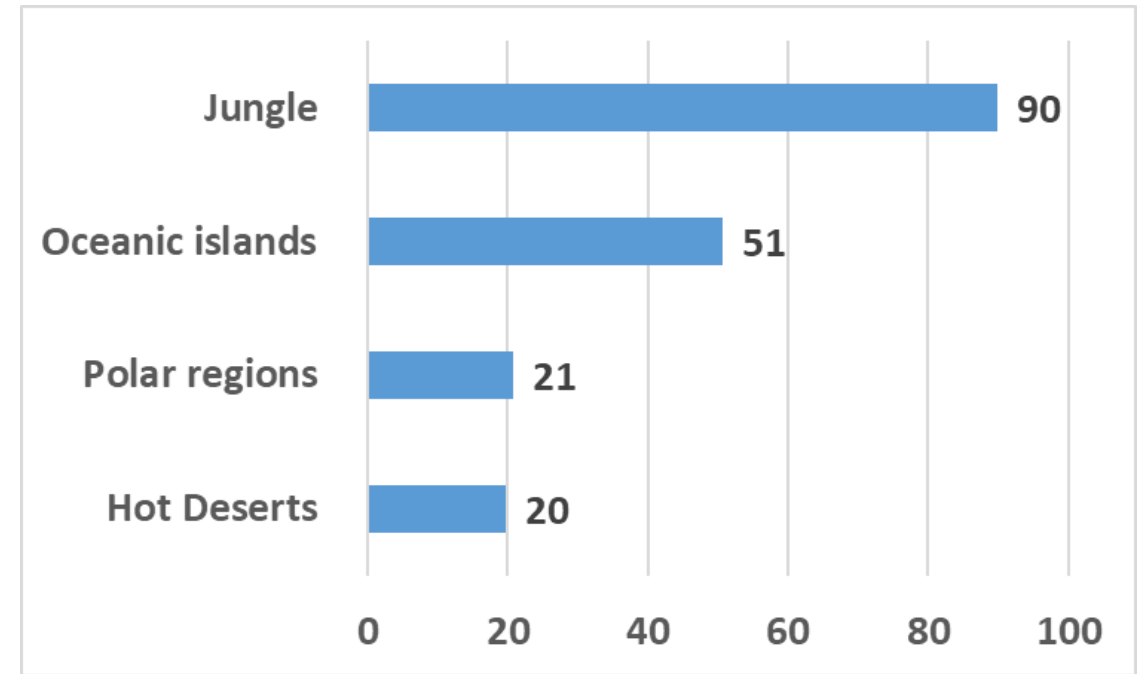
Perception of Arctic issues among young Lithuanian learners

The landscape most endangered due to the climate change



% of participants that indicated scores 4 and 5 answering the question

The most of the world biodiversity can be found at

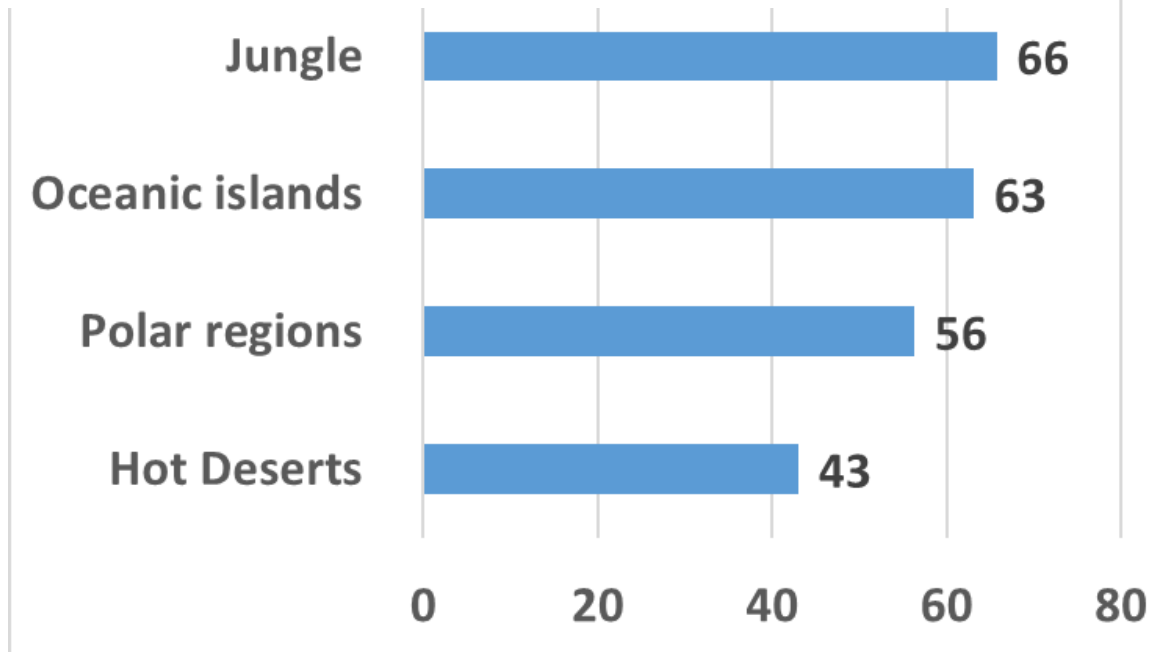


% of participants that indicated scores 4 and 5 answering the question

Generally, they have correct understanding of the environmental problems caused by the climate change and global patterns of biodiversity

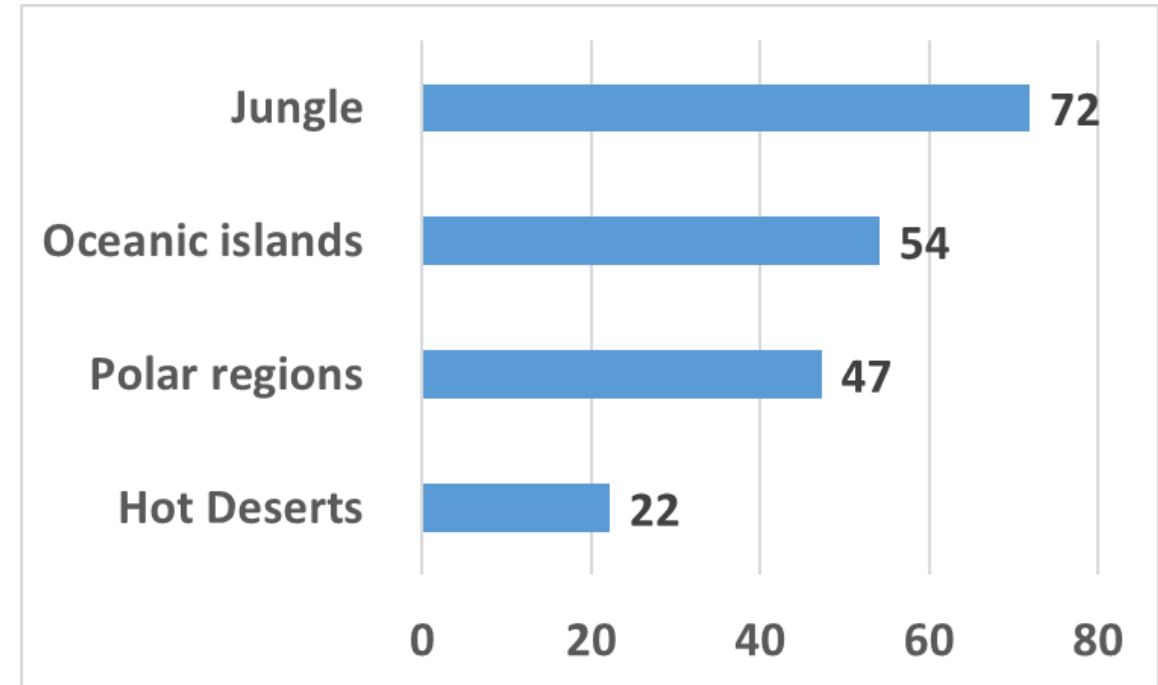
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Having an opportunity to join the adventure expedition I would go for



% of participants that indicated scores 4 and 5 answering the question

The most important from the practical point of view are

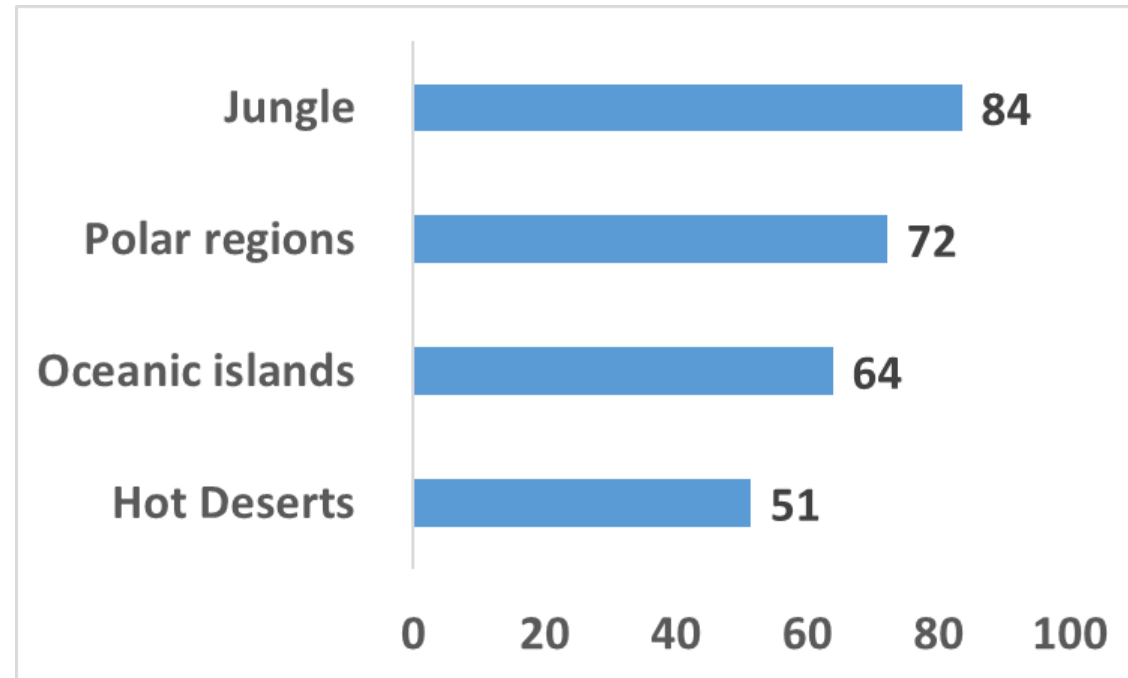


% of participants that indicated scores 4 and 5 answering the question

Jungle, jungle everywhere...

Perception of Arctic issues among young Lithuanian learners

Having a special reward in my disposition, I would offer it for the new exploration of



% of participants that indicated scores 4 and 5 answering the question

One thing is good, having funds they would invest in research not only in the jungle, but also in the polar regions



"Arkties tyrimai"



Lietuvos akademinė elektroninė biblioteka (eLABa)



Visos dokumentų rūšys ▾

su žodžiais ▾

bet kur įrašė ▾

Įrašų nesurasta

Nurodytam paieškos argumentui ""Arkties tyrimai"" paieška rezultatų nerado

Pasiūlymai:

- Patikrinkite ar viską parašėte be klaidų.
- Bandykite kitą paieškos aprėpti.
- Atlikite paiešką naudodami kitokius žodžius.
- Atlikite paiešką naudodami bendresnius žodžius.
- Atlikite paiešką su mažiau žodžių.

1



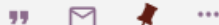
MAGISTRO DARBAS

Teritorijos svarba šiuolaikinėje tarptautinėje politikoje: Arkties vaidmuo Rusijos-Norvegijos santykiuose.

Kviklys, Giedrius ; Vytauto Didžiojo universitetas.

eLABa – nacionalinė Lietuvos akademinė elektroninė biblioteka, 2010. 109 p. Laisvai prieinamas internete / Open Access.

Atviroji prieiga

[Viso teksto dokumentas internete](#) >

2



BAKALAURO DARBAS

Arkties valdysenos klausimas: konfrontacija ar bendradarbiavimas? Blaževičius.Blaževičius, Mantas ; Generolo Jono Žemaičio Lietuvos karo akademija, 20180108-20210831.
eLABa – nacionalinė Lietuvos akademinė elektroninė biblioteka, 2018. 49 p. Laisvai prieinamas internete / Open Access.[Viso teksto dokumentas internete](#) >

BAKALAURO DARBAS

Arkties klausimas Šiaurės Amerikos valstybių politikoje. JAV ir Kanados pozicijų palyginimas.

Bučinskas, Andrius ; Vilniaus universitetas.

eLABa – nacionalinė Lietuvos akademinė elektroninė biblioteka, 2016. 49 p. Laisvai prieinamas internete / Open Access.

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STRAIPSNIS

Naujos Arkties tarptautinio teisinio reguliavimo tendencijos

Katuoka, Saulius ; Mykolo Romerio universitetas.

ISSN: 1392-6195.

Jurisprudencija: mokslo darbai = Jurisprudence : Research in Law / Mykolas Romeris University. 2009, Nr. 3(117). p. 20-30.

Recenzuojamas

[Viso teksto dokumentas internete](#) >

BAKALAURO DARBAS

Arktis Rusijos politiniame diskurse: V. Putino naratyvo dekonstravimas 2012-2018 m. laikotarpiu.

Budrytė, Erika ; Vilniaus universitetas.

eLABa – nacionalinė Lietuvos akademinė elektroninė biblioteka, 2018. 48 p. Laisvai prieinamas internete / Open Access.

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