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Agenda Item:	ATCM 17
Presented by:	IAATO
Original:	English
Submitted:	13/4/2022

IAATO Overview of Antarctic Tourism: 2021-22 Season and Preliminary Estimates for 2022-23 Season

IAATO Overview of Antarctic Tourism: A Historical Review of Growth, the 2021-22 Season, and Preliminary Estimates for 2022-23

**Information Paper Submitted by the
International Association of Antarctica Tour Operators (IAATO)**

Introduction

IAATO is pleased to provide the statistical data compiled from Post Visit Reports for the 2021-22 season and the preliminary estimates for 2022-23 season as of 29 April, 2022.

It should be noted at the outset that the worldwide SARS CoV-2 pandemic has had a significant impact on Antarctic private sector travel and consequently the numbers reported in this paper. Specifically, we draw attention to the fact that:

- During the 2020-2021 season, and the height of the pandemic, only two yachts and 15 visitors operated in the Peninsula area. As this was not a representative season for IAATO the 2020-2021 data has been omitted from overall deliberations in this paper.
- During the 2021-2022 season there was a resumption of activities however these numbers remained depressed as some Operators took the difficult decision not to operate during the 2021-22 season. Furthermore, as Omicron became prevalent, others chose to cancel expeditions or curtail their season. Lastly, in many cases, Operators also had lower occupancy as fewer clients travelled.
- Looking ahead to the 2022-2023 season while there is a hope within IAATO's membership for continued recovery and resumption of activities, operations will continue to be dictated by the pandemic evolution and worldwide travel restrictions.

We also take this opportunity to build on discussions with different Treaty Parties around growth and diversification of activities, by including a historical perspective which may aid ongoing considerations. The data presented throughout this paper are based on information provided to IAATO by its Operators in Post Visit Reports. Visitor numbers reflect only those travelling with IAATO Operator companies and do not include Observers, Government Officials, or those individuals taking part in research projects that are being supported by IAATO Operators. It does not include information from any non-IAATO operators.

IAATO's Membership continues to encompass the majority of private-sector tour operators. Operator activities are permitted or authorized through Environmental Impact Assessments, Advance Notifications and, where relevant, Waste Management Permits, and submitted in advance of the season. Nearly all activities, which follow IAATO policies and guidelines, have been authorised and conducted on expeditions for more than two decades, and in many cases since the beginning of Antarctic tourism circa the 1960's. IAATO Operators conduct their operations in a safe and environmentally responsible manner, and all activities are planned to have no more than a minor or transitory impact on the Antarctic environment.

1.0 Historical Overview

1.1 IAATO Member Activities and Managing for Growth

Prior to the SARS CoV-2 pandemic, the growth of the Antarctic tourism industry was a topic of great interest within the Antarctic and worldwide communities. In three decades, IAATO has seen two other periods of growth - once during the mid-1990s and then again in the period

2003-2008. During each of these periods of growth, and in the intervening ‘lull’ in activities, IAATO has brought in a series of tourism management measures, many of which were subsequently adopted by the ATCM. With advancements in technology, reporting and communications, and building on lessons learned in the past, IAATO has been able to accurately forecast and monitor growth, making measured decisions and advancements to properly position the organisation as changes happen.

It is anticipated that with the current state of the global pandemic, 2022-23 activity levels will rise as forecasted to pre-pandemic rates. Anticipating this, IAATO continues to strengthen, test, and refine the suite of ‘tools’ to ensure the continued successful management of activities.

Incremental changes on existing tools have been made during the past ten years to address the continued increase in activities. More recently one of these actions has been this a review of field staff experience. IAATO set a benchmark in its early years that 75% of field staff would have previous Antarctic experience. Over the years, the breadth of activities offered has expanded as has the range of operations, requiring a broader range of specialized skills for field staff. With more advanced tools in place, such as the IAATO Online Assessment and the development worldwide of professional standards in guiding and other activities, this benchmark has been reviewed to recognise and reflect these changes. In accordance with IAATO Bylaws, Operators are required to hire a sufficient number of expedition staff, at least 80% of whom have previous professional guiding experience relevant to their specific role (e.g. kayak guide, small boat drivers), and 50% of whom have previous Antarctic experience, as agreed by IAATO definition. During the 2022 IAATO Annual Meeting, IAATO members agreed that organizers are not only required to ensure that all field staff under their control take and pass the relevant IAATO online assessment module, but also senior navigators (ex. Captains, Safety Officer), other senior crew (ex. Hotel Manager, Environmental Officer) and relevant office support staff.

Figures 1.1 – 1.3 give an overview of some of the key growth management tools introduced by IAATO during three periods of growth between 1993-2001.

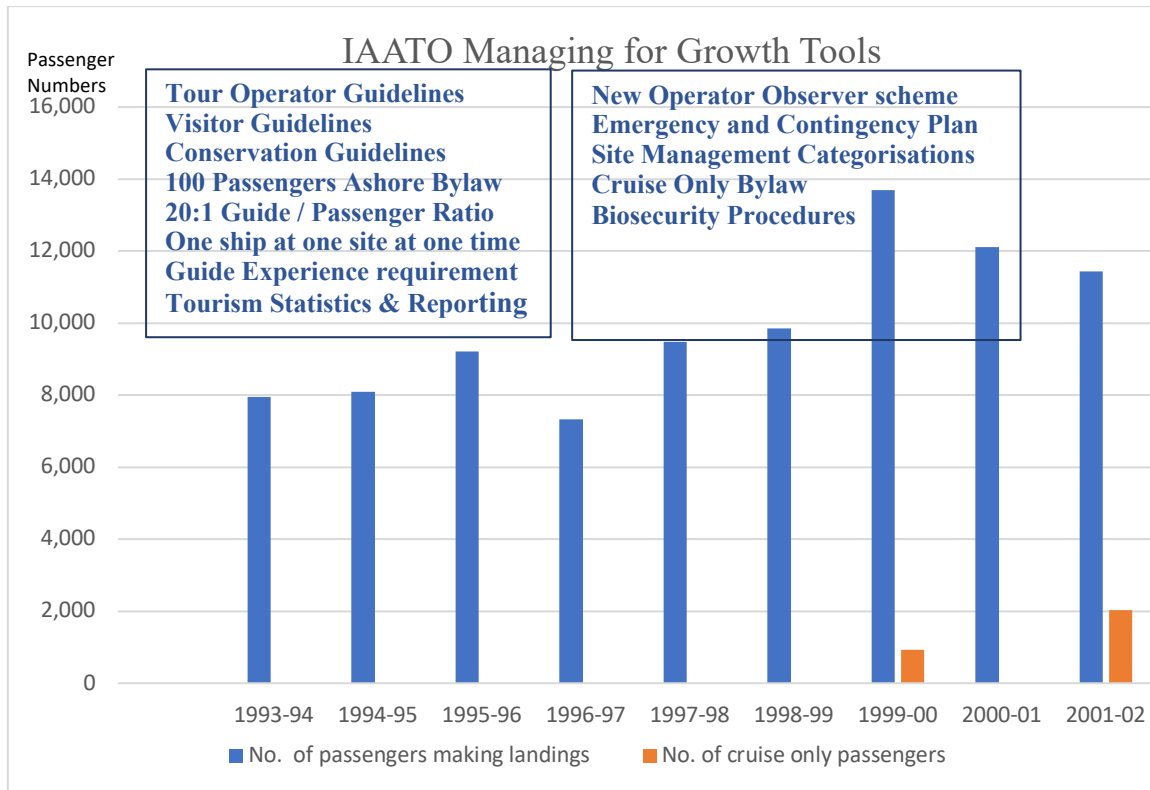


Figure 1.1: Examples of IAATO management tools introduced in response to growth between 1993 and 2001

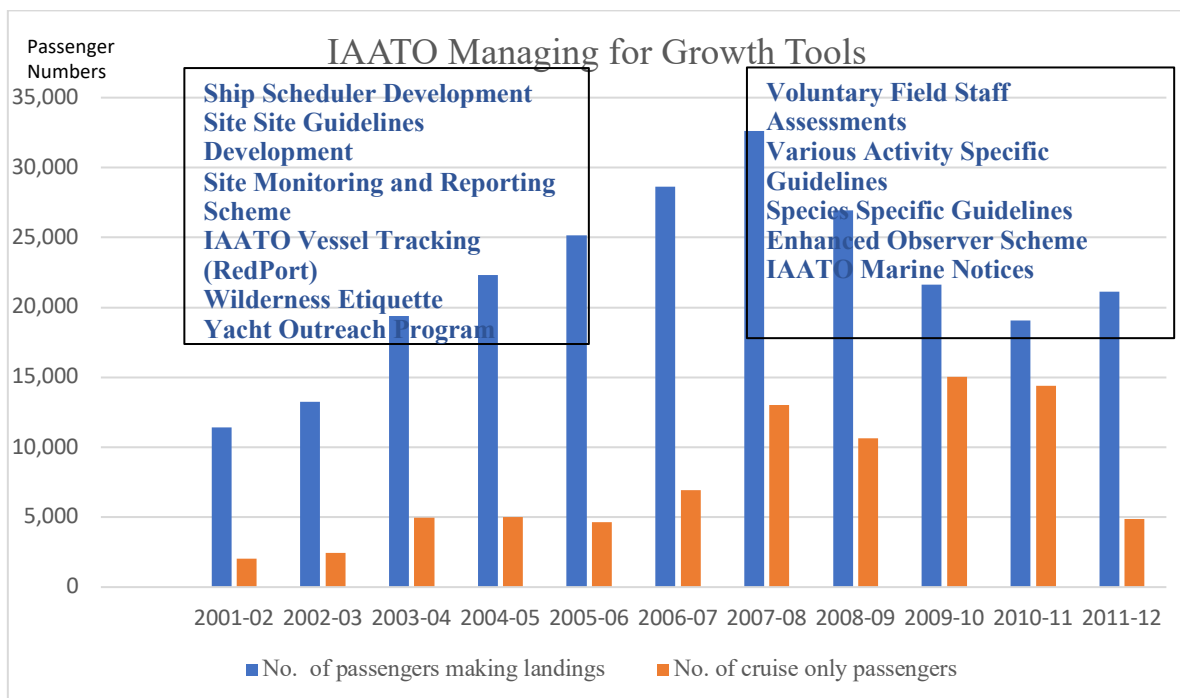


Figure 1.2: Examples of IAATO management tools introduced in response to growth between 2001 and 2011

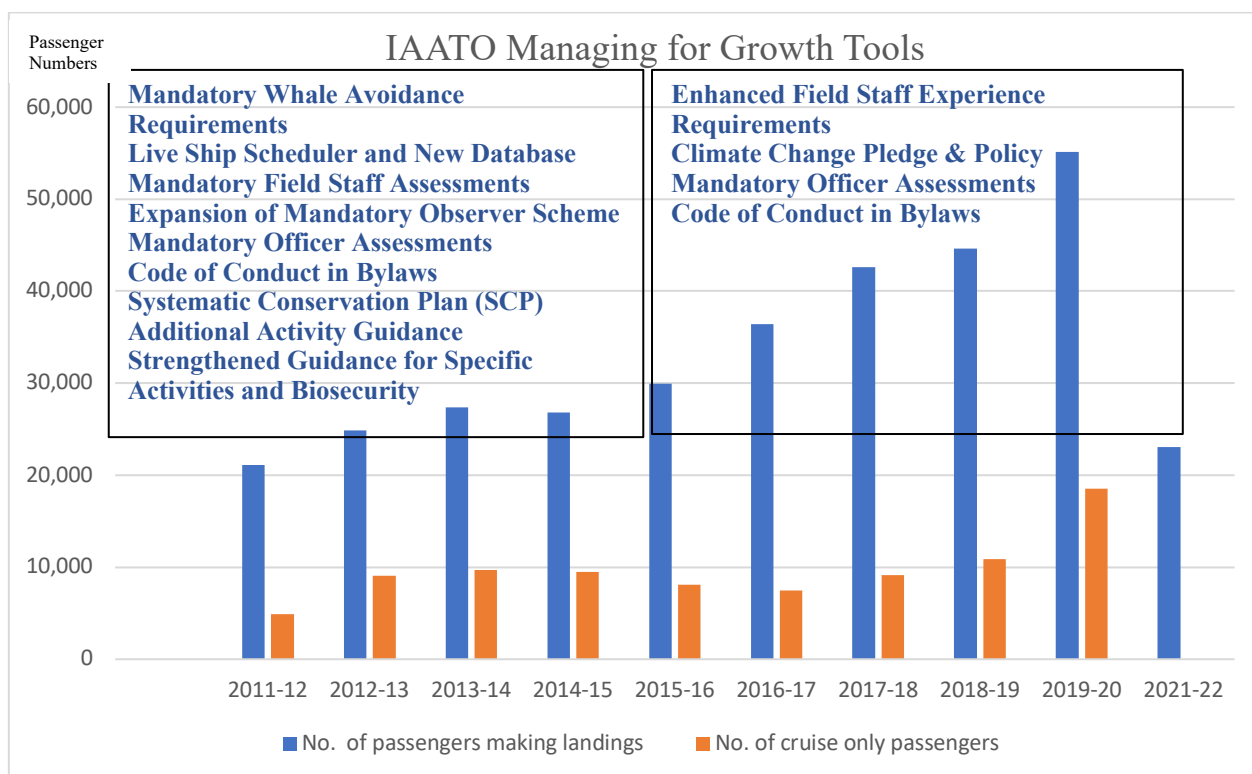


Figure 1.3: IAATO management tools introduced in response to growth between 2011 – Present

1.2 IAATO Member Nationalities

Reflecting on the latest period of growth, the Post Visit Reports submitted to IAATO indicate the top 10 nationalities who visited Antarctica have remained relatively consistent over the last ten seasons, although proportionately and prior to the pandemic, China had seen the greatest increase in travelers to Antarctica. An overview of the last 10 years can be found in Figure 2.

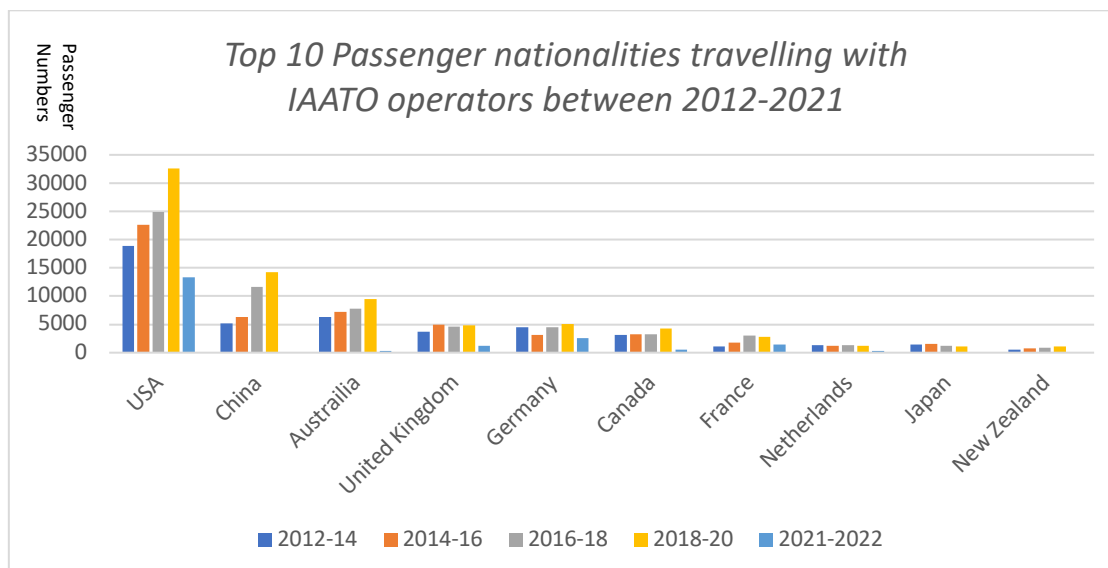


Figure 2: Top 10 Passenger nationalities travelling with IAATO operators between 2012-2021

2.0 IAATO Seaborne Operations Overview

This section focuses on IAATO Seaborne Operations.

2.1 IAATO Seaborne Activities

For the last 31 years shipborne tourism on the Peninsula has been the dominant vector of travel. The vast majority of tourism voyages (98%) operate in the Antarctic Peninsula region during the seven-month austral summer season (from October to April), and depart from Ushuaia, Argentina or, to a lesser extent, from other ports north of the Antarctic Treaty Area.

Currently, to the best of our knowledge, all commercial SOLAS passenger ship Operators conducting tourism activities in the Antarctic Treaty Area are members of IAATO. *Table 1.* offers a summary of the last decade of both IAATO SOLAS and non-SOLAS vessel tourism.

Table 1. 10-Year Statistics of Seaborne Tourism (including Yachts and Cruise Only)
Based on IAATO Post Visit Reports.

Year	No. of operators	No. of ships & yachts	No. of voyages	No. of passengers making landings	No. of cruise only passengers
2011-12	36	41	234	21,131	4,872
2012-13	39	45	258	24,892	9,070
2013-14	42	51	283	27,374	9,670
2014-15	37	44	268	26,812	9,459
2015-16	38	48	286	29,960	8,109
2016-17	38	47	298	36,440	7,475
2017-18	44	50	344	42,576	9,131
2018-19	44	56	360	44,600	10,889
2019-20	47	62	408	55,164	18,506
2021-22	40	48	236	23,023	0

In accordance with IAATO Bylaws X – Section B, all Operators and Provisional Operators are to comply with operational conditions pursuant to the Antarctic Treaty System, including the Antarctic Treaty and the Protocol on Environmental Protection to the Antarctic Treaty, along with IMO Conventions and similar international and national laws and agreements.

2.2 Scope of IAATO Seaborne Activities

Commercial tourist activities included the operation of small inflatable boats (Zodiac, Polar Circle Boats, R.I.B., Naiad, etc.), shore landings, and to a lesser extent activity such as, but not limited to, kayaking, climbing, and short overnight stays.

Through the years descriptions and the type of activities have been expanded in the Post Visit Reports to facilitate greater accuracy for reporting and planning. For instance, RPAS Flights, although banned recreationally in coastal waters by IAATO, has been expanded to differentiate between commercial, scientific, and operational/navigation flights. Likewise, what was once described as swimming, has now been expanded to swimming – distance and polar plunge.

Representing the current expansion of descriptions during this last period of growth, *Figure 3* illustrates activities offered by IAATO vessels including yachts, during the 2021-2022 season. Small boat cruising and landing remain the most popular activities (60%) for vessels, while scenic ship cruising also remains a key activity. A range of other activities (e.g. kayaking and short overnight stays) contribute to a smaller portion (13%) of off-ship activities. It is anticipated that ship cruising, small boat cruising and small boat landings will continue to be the dominant activities and other activities will remain small scale in comparison.

For more information on IAATO Operator activities see ATCM XLII IP145 *A Catalogue of IAATO Operator Activities*.

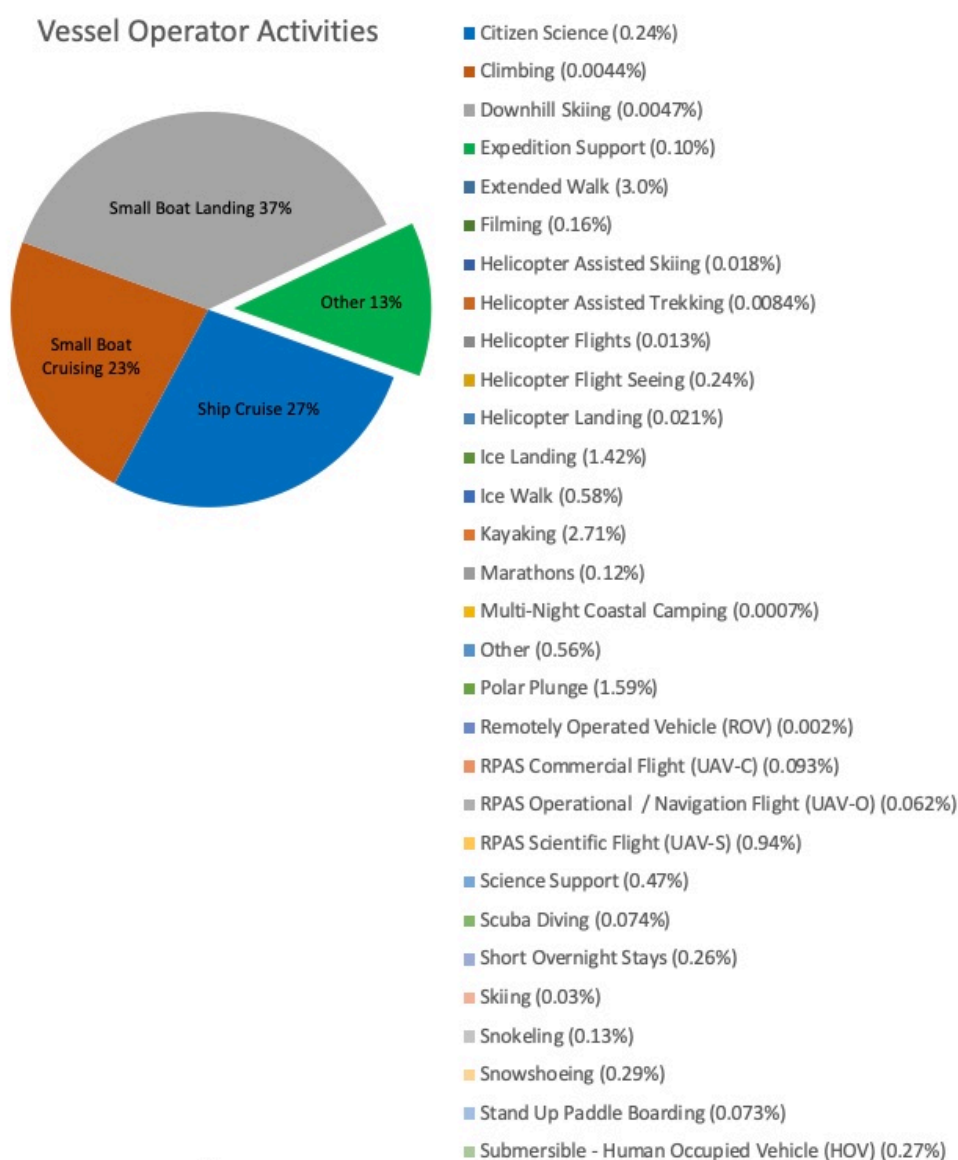


Figure 3: Commercial Operated Activities Conducted from Expedition Vessels and Yachts for 2021-22

3.0 IAATO Deep Field and Air Tourism Overview

IAATO currently has five Operators who conduct deep field tourism activities. One air Operator also supports air-cruise operations and offers single day or multi-day Antarctic experiences in the South Shetland Islands. However, during the 2021-22 season, only three deep field operators and one Peninsula air operator ran programs for visitors. *Table 2* provides an overview of Deep Field and Air Operators primary areas of seasonal operation/base camp. Deep Field Operators also utilise seasonal satellite field camps and runways for their different activities and flights. *Figure 4* gives an overview of the deep field and air client numbers for the last decade. *Table 3* offers additional information of those operations.

Table 2. IAATO Deep Field and Air Operators Main Camps and Main Area of Operation

Deep Field and Air Operators	Main Camp or Runway	Main Area of Operation
Antarctic Logistics and Expeditions (ALE)	Union Glacier	West Antarctica to South Pole
Arctic Trucks	Union Glacier and Dronning Maud Land	West Antarctica to Palmer Land to South and West Antarctica
Icetrek Expeditions	Utilises other IAATO Operator resources	Dronning Maud Land, West Antarctica to South
The Antarctic Company (TAC)	Dronning Maud Land	Dronning Maud Land to South Pole
White Desert (WDL)	Dronning Maud Land	Dronning Maud Land to South Pole
Aerovias DAP	King George Island	King George Island

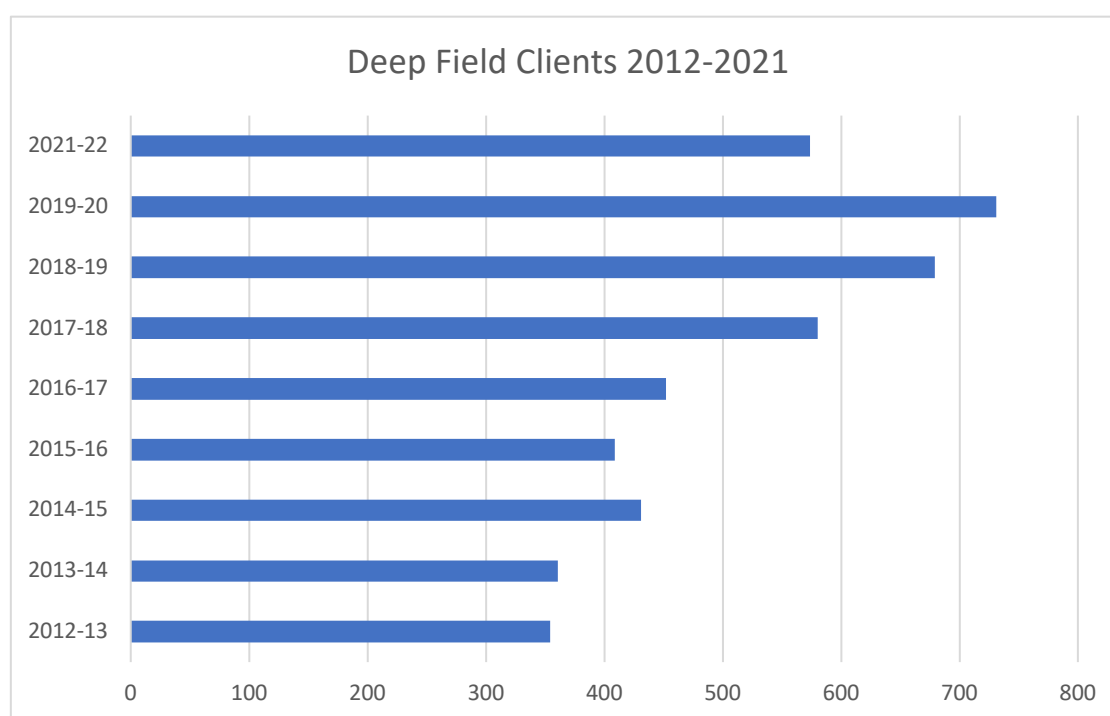


Figure 4: Deep Field and Air Operator Clients 2012-2021

Deep Field and Air Operators usually maintain a higher client to staff ratio than is typical for seaborne tourism, often one guide to every three clients. The exception is solo expeditions, for example during South Pole Ski Expeditions, where the clients are supported remotely and closely monitored through communication protocols. All Deep Field and Air Operators prepare contingency plans for the health, safety, medical care and evacuation for their staff and clients to meet ATCM Resolution 6 (2017).

3.1 Deep Field and Air Operator Programs and Activities

The last five seasons' activities, including the operation of standard programs, the organization and operation of private expeditions, and logistical support of other expeditions, are outlined in *Table 3: Programs and Participant Numbers (clients) for 2016-21*. Total numbers participating include clients from all five IAATO Deep Field Operators. Note that some clients participated in multiple programs. Most activities detailed below have been offered consistently since the 1990s and have not changed during this latest period of growth. Additionally, activities for air Operator Aerovias DAP are listed for seasons 2018 – 2021, reporting on their activities since becoming an IAATO Member.

Table 3: Programs and Participant Numbers (clients) for 2016-21
(Note: some participants may take part in several programs)

Program	2016-17	2017-18	2018-19	2019-20	2021-22
Emperor Penguin Colony Visits	50	94	142	189	200
Deep Field Experiences (camping, skiing, mountaineering, skydiving, cycling, etc.)	51	88	44	243	289
Deep Field Flights (e.g. to Pole of Inaccessibility)	4	0	17	25	0
South Pole Fly-in	71	100	172	278	116
South Pole Ski Expedition	12	18	18	37	6
South Pole Motorised Expedition	15	3	22	18	13
Last 1-2 Degree Expedition	43	44	43	117	33
Antarctic Crossing (ski & motorised)	18	7	0	27	13
Vinson Massif	111	145	152	399	202
Marathon	113	124	120	317	59
Day Trips King George Island	-	-	112	123	6

4.0 Preliminary Estimate of Planned Activities for the 2022-23 Season

Preliminary estimates, found in Appendix 2, for the 2022-23 season are as of 29 April, 2022. These estimates represent the anticipated operating scenario for the 2022-23 season. However, operations will continue to be dictated by the pandemic evolution and worldwide travel restrictions.

5.0 Tourism Statistics

In order to assist further with providing data on IAATO activities, the following data are publicly available through an access portal on the IAATO website (<https://iaato.org/information-resources/data-statistics/visitor-statistics/>):

- Tourists by Nationality (Landed)
- Tourists by Nationality (Air and Cruise)
- Tourists by Nationality (All)
- Number of Vessel based Tourists per Site per Activity – Ross Sea Region
- Number of Vessel based Tourists per Site per Activity – Peninsula
- Number of Vessel based Tourists per Site per Activity – All Regions

Appendices:

- Appendix 1: Overview of Antarctic Tourism 2021-22 (As of April 29, 2022)
- Appendix 2: Preliminary Estimate of Antarctic Tourism 2022-2023 (As of April 29, 2022)

Appendix 1: Overview of Antarctic Tourism 2021 – 22

SUMMARY OF ACTUALS for 2021-2022 SEASON			
(All tourist types)			
*Note all numbers and company status are subject to change and are based on reports as of April 29, 2022			

Types of Tourism	Number of Vessels	Number of Departures	Total Number of Passengers
IAATO Traditional Seaborne Tourism Peninsula	32	171	21275
IAATO Seaborne Tourism Ross Sea / Continental	1	1	44
IAATO Sailing Vessels / Yacht Tourism Peninsula	11	19	111
IAATO Air-Cruise Peninsula	10	45	1593
IAATO Large Ships/ Cruise - Only Peninsula	0	0	0
IAATO Deep-Field Tourism	4 Operators	Varies	574
Total			23,597

IAATO Members Traditional Seaborne Tourism: Peninsula Region 2021-2022				
Vessel	Operator / Charterer	Competent Authority	Actual # Voyages	Actual # of Passengers
Bark Europa	Rederij Bark EUROPA B.V.	Netherlands	3	91
Corinthian	Grand Circle Corporation	United States	1	55
Crystal Endeavor	Crystal Cruises, LLC	United States	6	737
Fram	Hurtigruten Expeditions	Norway	5	484
Greg Mortimer	Aurora Expeditions	Australia	2	108
Hamburg	Plantours Kreuzfahrten	Germany	3	817
Hanseatic Inspiration	Hapag-Lloyd Cruises	Germany	4	579
Hanseatic Nature	Hapag-Lloyd Cruises	Germany	4	544
Hondius	Oceanwide Expeditions	Netherlands	4	562
L'Austral	Ponant	France	8	880
Le Boreal	Ponant	France	7	909
Le Commandant Charcot	Ponant	France	9	1054
Le Lyrial	Abercrombie & Kent USA, LLC	United States	4	475
Le Lyrial	Ponant	France	4	494
Legend	EYOS Expeditions Ltd.	United Kingdom	1	19
Magellan Explorer	Antarctica21	Chile	1	82
MS Roald Amundsen	Hurtigruten Expeditions	Norway	7	1589

National Geographic Endurance	Lindblad Expeditions	United States	6	495
National Geographic Explorer	Lindblad Expeditions	United States	9	846
National Geographic Resolution	Lindblad Expeditions	United States	8	719
Ocean Explorer	Vantage Deluxe World Travel	United States	4	395
Ocean Victory	Albatros Expeditions	United States	11	1707
Plancius	Oceanwide Expeditions	Netherlands	3	268
Scenic Eclipse	Scenic Tours (USA) Inc	United States	6	712
Sea Spirit	Poseidon Expeditions	Russia	6	601
Seaventure	Grand Circle Corporation	United States	2	121
Seaventure	Polar Latitudes	United States	3	357
SH Minerva	Swan Hellenic	United States	3	296
Silver Cloud	Silversea Cruises Ltd.	United States	9	1489
Silver Explorer	Silversea Cruises Ltd.	United States	7	506
Silver Whisper	Silversea Cruises Ltd.	United States	1	224
Ultramarine	Quark Expeditions	United States	2	126
Viking Octantis	Viking Expeditions	Norway	6	1424
World Navigator	Atlas Ocean Voyages	United States	12	1510
Total			171	21275

IAATO Members Air-Cruise Tourism: Peninsula Region 2021-2022				
Vessel	Operator / Charterer	Competent Authority	Actual # Voyages	Actual # of Passengers
Greg Mortimer	Aurora Expeditions	Australia	6	383
La Datcha	EYOS Expeditions Ltd.	United Kingdom	3	21
Legend	EYOS Expeditions Ltd.	United Kingdom	4	89
Legend	Spirit of Sydney Expeditions	Australia	1	14
M/V Betanzos	Spirit of Sydney Expeditions	Australia	1	0
Magellan Explorer	Antarctica21	Chile	14	698
MY Hans Hansson	Quixote Expeditions	United States	5	48
MY Hanse Explorer	"Hanse Explorer" GmbH & Co. KG	Germany	3	24
Nansen Explorer	EYOS Expeditions Ltd.	United Kingdom	1	0
S/V Ocean Tramp	Quixote Expeditions	United States	4	19
Silver Explorer	Silversea Cruises Ltd.	United States	3	297
Total			45	1593

IAATO Members Yacht Tourism: Peninsula Region 2021-2022				
Vessel	Operator / Charterer	Competent Authority	Actual # Voyages	Actual # of Passengers

El Doblón	Alegria marineros (Bitacora eventos y Celebraciones S.L)	Spain	2	17
Moonshadow	EYOS Expeditions Ltd.	United Kingdom	1	3
Naia	EYOS Expeditions Ltd.	United Kingdom	2	0
Nansen Explorer	EYOS Expeditions Ltd.	United Kingdom	1	7
S/V Australis	Ocean Expeditions LLC	Australia	2	12
S/V Ocean Tramp	Quixote Expeditions	United States	1	6
S/V Santa Maria Australis	SIM Expeditions	Chile	1	5
S/V Selma Expeditions	Selma Expeditions	Poland	2	13
S/V Spirit of Sydney	Spirit of Sydney Expeditions	Australia	3	19
S/Y YPAKE II	SUR Expeditions	Argentina	2	15
Vinson of Antarctica	Pelagic Expeditions LTD	United Kingdom	2	14
Total			19	111

IAATO Members Seaborne Tourism: Continental/Ross Sea 2021-2022				
Vessel	Operator / Charterer	Competent Authority	Actual # Voyages	Actual # of Passengers
Spirit of Enderby	Heritage Expeditions	New Zealand	1	44
Total			1	44

IAATO Members Deep-Field Tourism: 2021-2022			
Operator / Charterer	Antarctic Area Visited	Competent Authority	Actual # of Passengers
Antarctic Logistics & Expeditions LLC	West Antarctica to South Pole	United States	409
Arctic Trucks	West Antarctica to Palmer Land to South and West Antarctica	United Kingdom	8
Aerovias DAP	King George Island	Chile	6
White Desert Ltd	Dronning Maud Land to South Pole	United Kingdom	151
Total			574

Appendix 2: Preliminary Estimate of Antarctic Tourism 2022-2023 (As of April 29, 2022)

SUMMARY OF ESTIMATES for 2022-2023 SEASON			
(All tourist types)			
*Note all numbers and company status are subject to change and are preliminary estimates only and as of April 29, 2022			

Types of Tourism	Number of Vessels	Number of Departures	Total Number of Passengers
IAATO Traditional Seaborne Tourism Peninsula	48	412	63,618
IAATO Seaborne Tourism Ross Sea / Continental	6	10	898
IAATO Sailing Vessels / Yacht Tourism Peninsula	7	19	136
IAATO Air-Cruise Peninsula	14	84	4,852
IAATO Large Ships/ Cruise - Only Peninsula	7	18	35,717
IAATO Deep-Field Tourism	4	Varies	785
Total			106,006

IAATO Members Traditional Seaborne Tourism: Peninsula Region 2022-2023				
Vessel	Operator / Charterer	Competent Authority	Est. # Voyages	Est. # of Passengers
Bark Europa	Rederij Bark EUROPA B.V.	Netherlands	5	200
Fram	Hurtigruten Expeditions	Norway	7	1260
Greg Mortimer	Aurora Expeditions	Australia	7	924
Hamburg	Plantours Kreuzfahrten	Germany	4	1280
Hanseatic Inspiration	Hapag-Lloyd Cruises	Germany	5	750
Hanseatic Nature	Hapag-Lloyd Cruises	Germany	6	900
Hanseatic Spirit	Hapag-Lloyd Cruises	Germany	4	600
Hebridean Sky	Noble Caledonia	United Kingdom	2	190
Hondius	Oceanwide Expeditions	Netherlands	11	1320

Island Sky	Noble Caledonia	United Kingdom	1	95
Island Sky	Polar Latitudes	United States	4	380
Janssonius	Oceanwide Expeditions	Netherlands	10	1200
L'Austral	Ponant	France	12	984
Le Boreal	Ponant	France	11	1177
Le Commandant Charcot	Ponant	France	7	623
Le Lyrial	Abercrombie & Kent USA, LLC	United States	4	720
Le Lyrial	Ponant	France	5	425
Magellan Explorer	Antarctica21	Chile	3	180
MS Fridtjof Nansen	Hurtigruten Expeditions	Norway	14	5600
MS Roald Amundsen	Hurtigruten Expeditions	Norway	11	4400
National Geographic Endurance	Lindblad Expeditions	United States	4	404
National Geographic Explorer	Lindblad Expeditions	United States	11	1320
National Geographic Resolution	Lindblad Expeditions	United States	7	707
Ocean Adventurer	Quark Expeditions	United States	7	448
Ocean Atlantic	Albatros Expeditions	United States	12	2100
Ocean Diamond	Quark Expeditions	United States	10	950
Ocean Endeavour	Intrepid Travel	Australia	13	2340
Ocean Explorer	Vantage Deluxe World Travel	United States	4	400
Ocean Nova	Antarctica21	Chile	2	120
Ocean Victory	Albatros Expeditions	United States	14	2240
Ortelius	Oceanwide Expeditions	Netherlands	7	525
Plancius	Cheesemans' Ecology Safaris	United States	2	200
Plancius	Oceanwide Expeditions	Netherlands	12	900
Scenic Eclipse	Scenic Tours (USA) Inc	United States	9	1080
Sea Spirit	Poseidon Expeditions	Russia	11	770
Seabourn Quest	Seabourn Cruise Line Ltd.	United States	1	390
Seabourn Venture	Seabourn Cruise Line Ltd.	United States	9	2025
Seaventure	Polar Latitudes	United States	11	1320
SH Minerva	Swan Hellenic	United States	6	540
SH Vega	Swan Hellenic	United States	13	1170
Silver Cloud	Silversea Cruises Ltd.	United States	9	1944
Silver Explorer	Silversea Cruises Ltd.	United States	11	1386
Silver Wind	Silversea Cruises Ltd.	United States	9	2187
Sylvia Earle	Aurora Expeditions	Australia	7	924
Ultramarine	Quark Expeditions	United States	10	1000
Ushuaia	Antarpply Expeditions	Argentina	16	1120
Viking Octantis	Viking Expeditions	Norway	11	3740

Viking Polaris	Viking Expeditions	Norway	11	3740
World Explorer	Quark Expeditions	United States	10	860
World Navigator	Atlas Ocean Voyages	United States	11	1958
World Traveller	Atlas Ocean Voyages	United States	9	1602
			412	63618

IAATO Members Air-Cruise Tourism: Peninsula Region 2022-2023				
Vessel	Operator / Charterer	Competent Authority	Est. # Voyages	Est. # of Passengers
Greg Mortimer	Aurora Expeditions	Australia	6	792
La Datcha	EYOS Expeditions Ltd.	United Kingdom	1	12
Legend	EYOS Expeditions Ltd.	United Kingdom	4	88
Magellan Explorer	Antarctica21	Chile	19	1140
MY Hans Hansson	Quixote Expeditions	United States	5	60
MY Hanse Explorer	"Hanse Explorer" GmbH & Co. KG	Germany	3	30
Nansen Explorer	EYOS Expeditions Ltd.	United Kingdom	5	60
Ocean Adventurer	Quark Expeditions	United States	8	512
Ocean Nova	Antarctica21	Chile	16	960
S/V Ocean Tramp	Quixote Expeditions	United States	6	36
Sylvia Earle	Aurora Expeditions	Australia	6	792
TBD/Other	Cookson Adventures	United Kingdom	1	12
Ultramarine	Quark Expeditions	United States	1	100
World Explorer	Quark Expeditions	United States	3	258
			84	4852

IAATO Members Yacht Tourism: Peninsula Region 2022-2023				
Vessel	Operator / Charterer	Competent Authority	Est. # Voyages	Est. # of Passengers
S/V Australis	Ocean Expeditions LLC	Australia	3	27
S/V Icebird	Icebird Expeditions	Australia	3	15
S/V Podorange	Voile Australe	France	1	6
S/V Selma Expeditions	Selma Expeditions	Poland	3	24
S/V Spirit of Sydney	Spirit of Sydney Expeditions	Australia	4	28
S/Y YPAKE II	SUR Expeditions	Argentina	2	12
Vinson of Antarctica	Pelagic Expeditions LTD	United Kingdom	3	24
			19	136

IAATO Cruise Only Tourism: Peninsula Region 2022-2023				
Vessel	Operator / Charterer	Competent Authority	Est. # Voyages	Est. # of Passengers

Celebrity Infinity	Celebrity Cruise Lines/Royal Caribbean/Azamara Cruises	United States	4	8000
M/V Norwegian Star	Norwegian Cruise Lines Holdings	United States	4	9600
M/V Oceania Insignia	Norwegian Cruise Lines Holdings	United States	1	777
M/V Seven Seas Voyager	Norwegian Cruise Lines Holdings	United States	1	758
MS Marina	Norwegian Cruise Lines Holdings	United States	2	2656
Oosterdam	Holland America Line	United States	3	5892
Sapphire Princess	Princess Cruises	United States	3	8034
			18	35717

IAATO Members Seaborne Tourism: Continental/Ross Sea 2022-2023				
Vessel	Operator / Charterer	Competent Authority	Est. # Voyages	Est. # of Passengers
Le Commandant Charcot	Ponant	France	2	178
Le Soleal	Ponant	France	1	182
National Geographic Endurance	Lindblad Expeditions	United States	2	202
Ortelius	Oceanwide Expeditions	Netherlands	2	150
SH Minerva	Swan Hellenic	United States	1	90
Spirit of Enderby	Heritage Expeditions	New Zealand	2	96
			10	898

IAATO Members Deep-Field Tourism: 2022-2023			
Operator / Charterer	Antarctic Area Visited	Competent Authority	Est. # of Passengers
Ice trek Expeditions and Equipment	Dronning Maud Land, West Antarctica to South	Australia	10
Arctic Trucks	West Antarctica to Palmer Land to South and West Antarctica	United Kingdom	13
Aerovias DAP	King George Island	Chile	126
Antarctic Logistics & Expeditions LLC	West Antarctica to South Pole	United States	384

White Desert Ltd	Dronning Maud Land to South Pole	United Kingdom	252
Total			785