

June, 2013



# AECOM

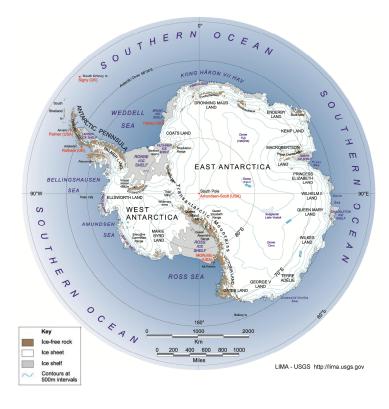
#### Antarctica....That's Hot!!







#### **Factual Information**



- 5th largest continent (i.e.11.9mil sq. km)
- Northernmost point ~ 63S
- Continent with average highest elevation (~ 2400m)
- Average annual rainfall depth of 150mm
- Largest icesheet on earth (i.e. cover 90% freshwater)
- Sea level increased by ~ 60m if melt



Page 3

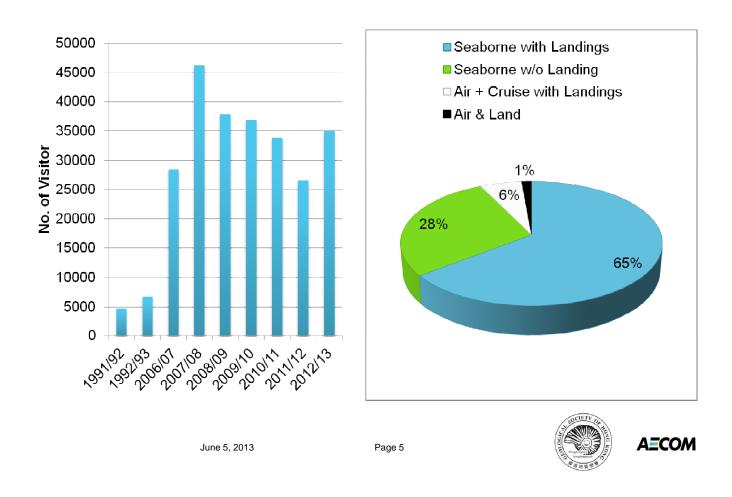






AECOM

#### **Growth of Tourism**



# **Antarctic Treaty**

- Signed by 12 nations in 1959 and in forced in 1961, currently having 50 signatory nations
- Protocol on Environmental Protection to the Antarctic Treaty in 1991, which designates the Antarctic as a natural reserve
- Recommendation XVIII-1 adopted at the Antarctic Treaty Meeting, Kyoto, 1994, covering:-
  - Protect Antarctic Wildlife
  - Respect Protected Areas
  - Respect Scientific Research
  - Be Safe
  - Keep Antarctica Pristine





#### **Guidance for Visitors to the Antarctica**

- Landing and Transport Requirements New general guidelines adopted in 2011
  - 1 ship at 1 site at 1 time
  - No landing for vessels with 500+ pax
  - Max 100 pax for every landing
  - Maintain 1:20 guide to pax ratio



- IAATO to promote the "safe and environmentally responsible" travel
  - Found in 1991 by 7 companies and currently 100+ members
  - Walk slow
  - 5m from animals / birds
  - Avoid cut off the route for animals to sea
  - Be obedience

June 5, 2013

Page 7

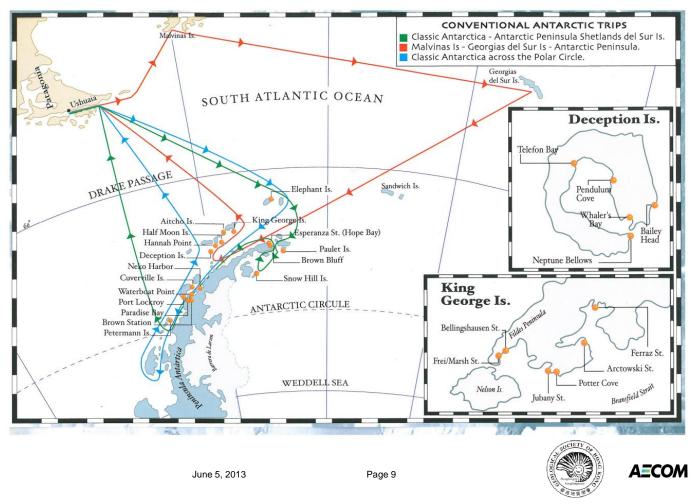


# <image>



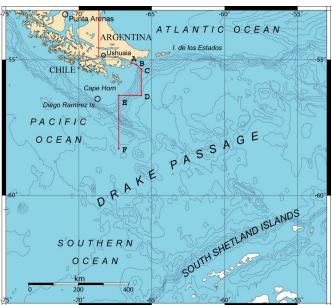


#### **Conventional Antarctic Trips**



# **Drake Passage**

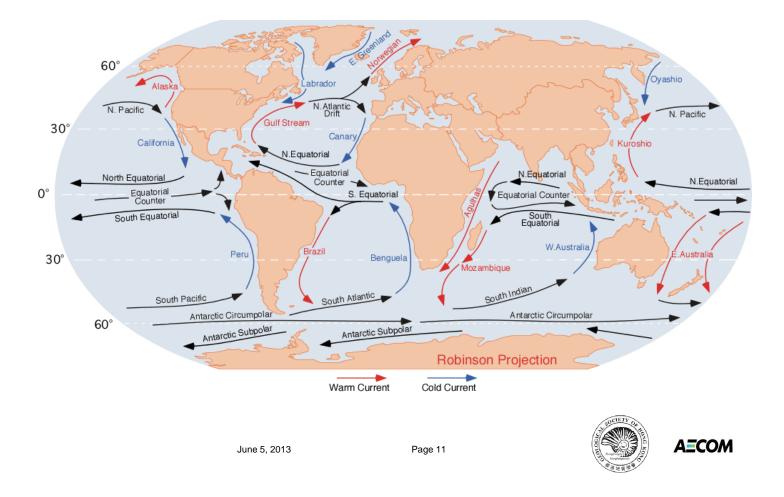




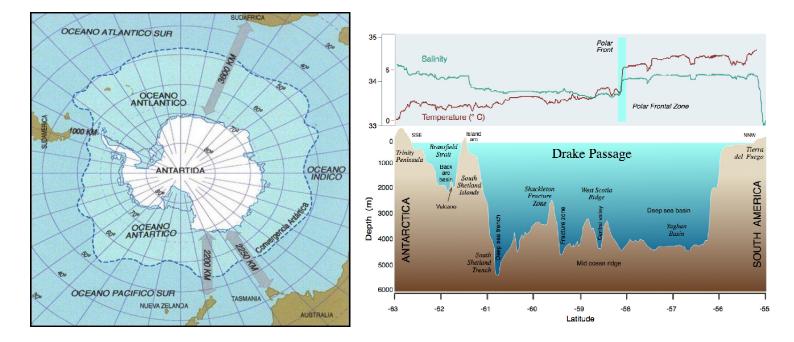




#### **Antarctic Circumpolar Current**



# **Antarctic Convergence**





#### **Expedition Cruise**

- M/S Expedition (G Adventure) •
- Ice class: Swedish/ Finnish 1B • Length: 105.23 metres (345 feet) Breadth: 18.63 meters Cruising Speed: 16 knots
- Capacity: 130 passengers •
- Covered motor lifeboats 4 pcs capacity of 192 people.

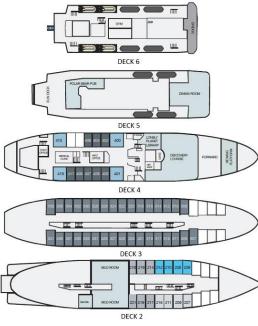




June 5, 2013



Page 14



#### CABIN DESCRIPTIONS

CATEGORY 1	1 upper berth, 2 lower berths, en-suite washroom, Porthole
CATEGORY 1A	2 upper berths, 2 lower berths, en-suite washroom, Porthole
CATEGORY 2	2 lower berths, en-suite washroom, Porthole
CATEGORY 3	2 lower berths, en-suite washroom, Window
CATEGORY 4	2 lower berths, en-suite washroom, Window
CATEGORY 5	Queen bed, Lounge area, en-suite washroom, Large Window





AECOM

# **Cruise Floor Plan**

### **Trip Itinerary – Classic Antarctica (12-day)**



**Expedition Team** 

- Marine Biologist
- Naturalist
- Geologist
- Historian
- Doctor
- Zodiac Driver
- Kayaking Master
- Camp Leader
- Photographer
- Musician







Page 16

# Lectures and Discovery Lounge



June 5, 2013

Page 17



# **Dinning Room**



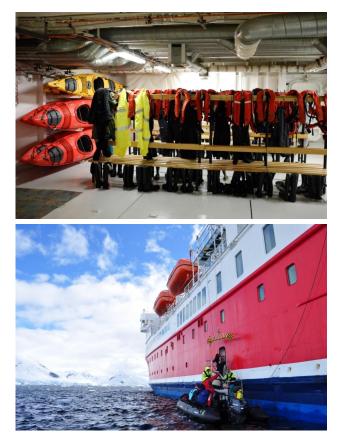








#### Mud Room





June 5, 2013

Page 19





# Gear Up?!







#### **The White Continent**





June 5, 2013

Page 21





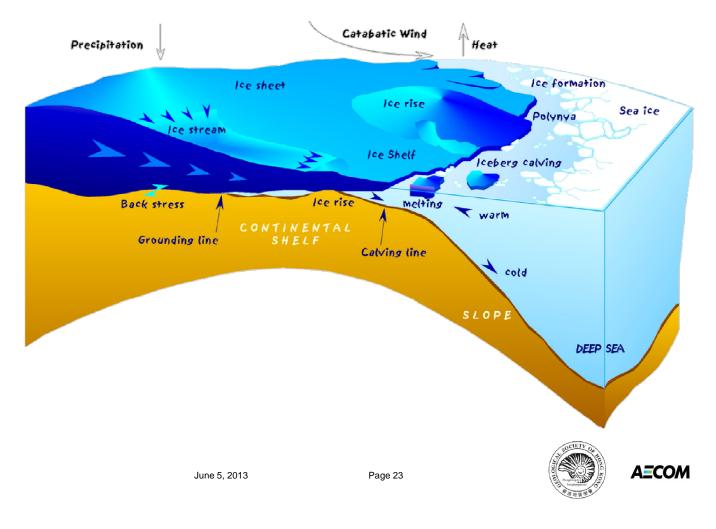
### **The White Continent**



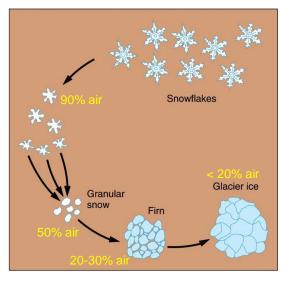




# Iceberg, iceshelf and sea ice



#### **The Iceberg Blues**









#### What's behind...





June 5, 2013

Page 25





# **Deception Island**







# Historical Site & Monument – Port Lockroy





June 5, 2013

Page 27



# The White Continent (Sunset)







#### **Antarctic Wildlife**









June 5, 2013

Page 29





# Penguin Colony







# **Kingdom of Penguins**



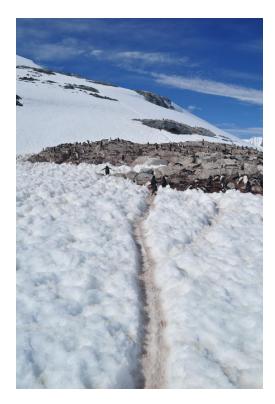


June 5, 2013

Page 31



# **Penguin's Highways**











Page 32

#### **Antarctic Wildlife**





June 5, 2013

Page 33





# **Optional activities**







#### How to plan?

4小時白畫-	&,近距離接觸 企鹅、海獅、冰山 難得一見的 奇景,親身體驗南極最珍貴的一面,您怎可錯過!
世界之最	◆ 南極淵是全球最高,海拔 2,300 米,最高的山峰 更高達 5140 米,地球平均並未受污染處。全球 最淨為地球環保最珍貴僅存之地。
海角天涯	◆ 南極洲固定面積為 1360 萬平方公里, 足足相等 於兩個漢洲, 要進入南極洲只能於每年 11 月至 3 月間最宜率節, 24 小時都是白晝奇景, Paradise Bay(天堂灣) 環胞浮冰, 越冰山磙冰 涛, 閬人生高峰。
開創奇蹟	◆ 這次就程提供機會帶給人類對大自然景點有更深的體會,由南美洲最南面市鎮烏斯 懷亞出發,都輸還向終年積雪的南極半島進發,大大小小的浮冰陪伴左右,巨大的信 天前彷彿是這些浮水的主人,一軒軒滑稽紳士般的全暢於沿岸高號間論,一團團的 海獅海豹在海中嬉戲覓食,忽然開鯨魚噴出了水柱,像是嘉年華會迎接我們到達這 神秘的白色大陸。
维能可贵	◆ 登陸南極依靠天氣和各種野生動物的出沒情況而定,然而鄭輪阿探訪各處都蕴藏著 奇約而和人心陰的長景,諸如曲火山口所形成的奇彩鳥 (Deception Island),客人 可在冰天莺地中於溫泉暢泳。短馬種水道(Neumayer Channel) 两旁的海狮海豹 耕和金橋鄉,天堂灣(Paradise Bay) 的浮冰,都是人生難得體會的奇景。
	】乘豪華舒適的冰級探險船 〝海洋 鑽 石 號 OCEAN DIAMOND″。



June 5, 2013

Page 35



#### **Tour Operators**













# Expensive camera needed?





June 5, 2013

Page 37





# **Expensive camera needed?**







#### **Expensive camera needed?**



June 5, 2013

Page 39



# Thank You

https://www.facebook.com/media/set/?set=a.101514 39586888627.544646.745723626&type=1&l=bf0663 2dd6



#### **The White Continent**



June 5, 2013



AECOM

# **The White Continent**





AECOM