

# World Exploration 2019



Presented by:

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# Course Objectives & Format

## Objectives

- Present series of self-contained talks on wide range of topics related to exploration
- Apply a collaborative delivery model, with multiple presenters
- Encourage attendee participation

## Format

- presentation for max 40mins, followed by discussion
- Finish by 11.00am to allow time for class changeover
- Slides of talks will be posted on the course website

# Rules of Engagement



# Your Collective Travel Profile

*How many countries have we visited and/or lived in?*

## Methodology

30 respondents (inc. one outside Explorers group)

Used UN definition of countries & regions:

<https://unstats.un.org/unsd/methodology/m49/>

which excludes dependencies eg. San Tome

UK & N Ireland excluded

# Number of Country Visits\*

\* excluding UK

	<b>Totals</b>
Africa	184
Americas	178
Antarctica	2
Asia	316
Europe	591
Oceania	29
<b>World</b>	<b>1298</b>

Total unique countries visited = 191  
(UN total = 249)

# Country visits by region

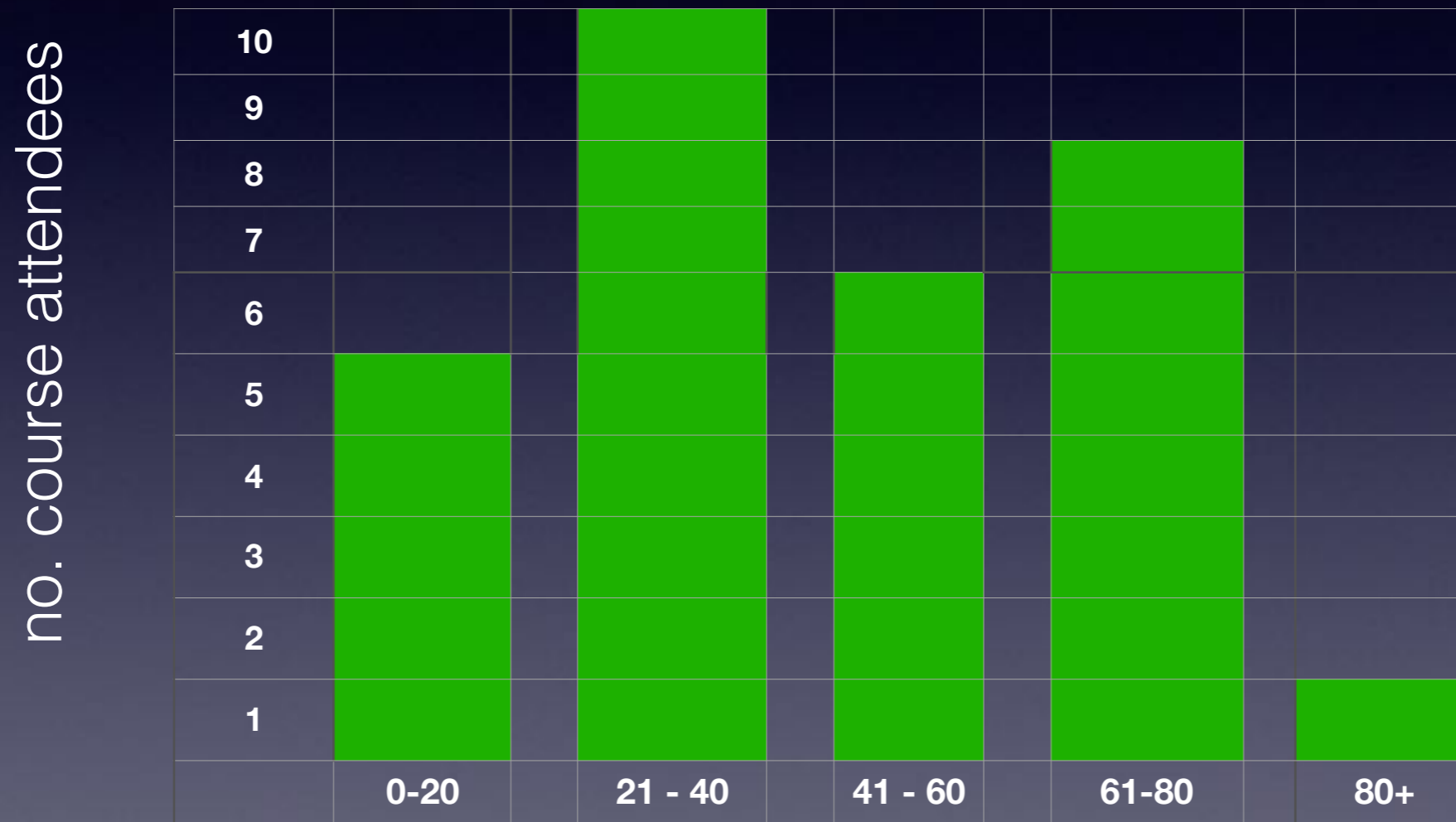
	Country Total	Region Total		Country Total	Region Total
<b>AFRICA</b>			<b>ASIA</b>		
Northern Africa	53		Central Asia	10	
Sub-Saharan Africa	131		Eastern Asia	47	
<b>Total Africa</b>		<b>184</b>	South-East Asia	90	
<b>AMERICAS</b>			Southern Asia	77	
Latin America & Caribbean	137		Western Asia	92	
Northern America	41		<b>Total Asia</b>		<b>316</b>
<b>Total Americas</b>		<b>178</b>	<b>EUROPE</b>		
<b>ANTARTIC</b>		<b>2</b>	Eastern Europe	86	
<b>OCEANIA</b>			Northern Europe	134	
Australia & New Zealand	23		Southern Europe	196	
Others	6		Western Europe	175	
<b>Total Oceania</b>		<b>29</b>	<b>Total Europe</b>		<b>591</b>

# Number of Country Visits \*

Range 13 - 82 (average 43)

\* excluding UK

Table 1

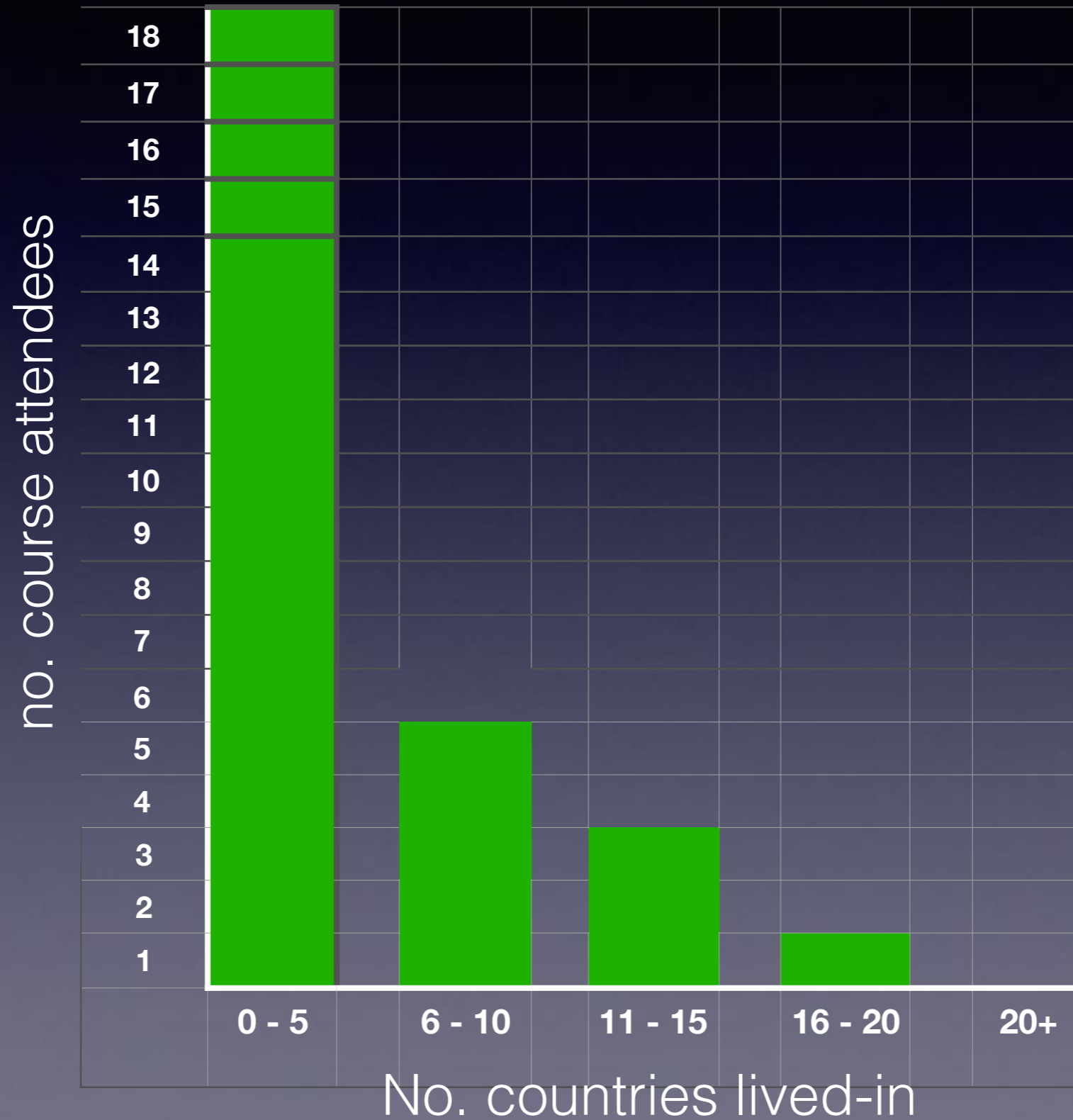


No. visits

# Number of Countries Lived in\*

Range 0 - 19 (average 4)

\* excluding UK





# Starting the Journey



Why exploration is such an interesting subject:

- how events shaped world development
- tales of human endeavour
- cast of extraordinary characters
- imagining the challenges of the unknown
- some unanswered questions

# Personal Characteristics of Explorers

Self-belief & ambition

Courage

Determination & tenacity

Tolerance of uncertainty

Resourcefulness

Ability to withstand physical hardship

Sacrifice their personal lives

“Selling” skills to win financial sponsorship

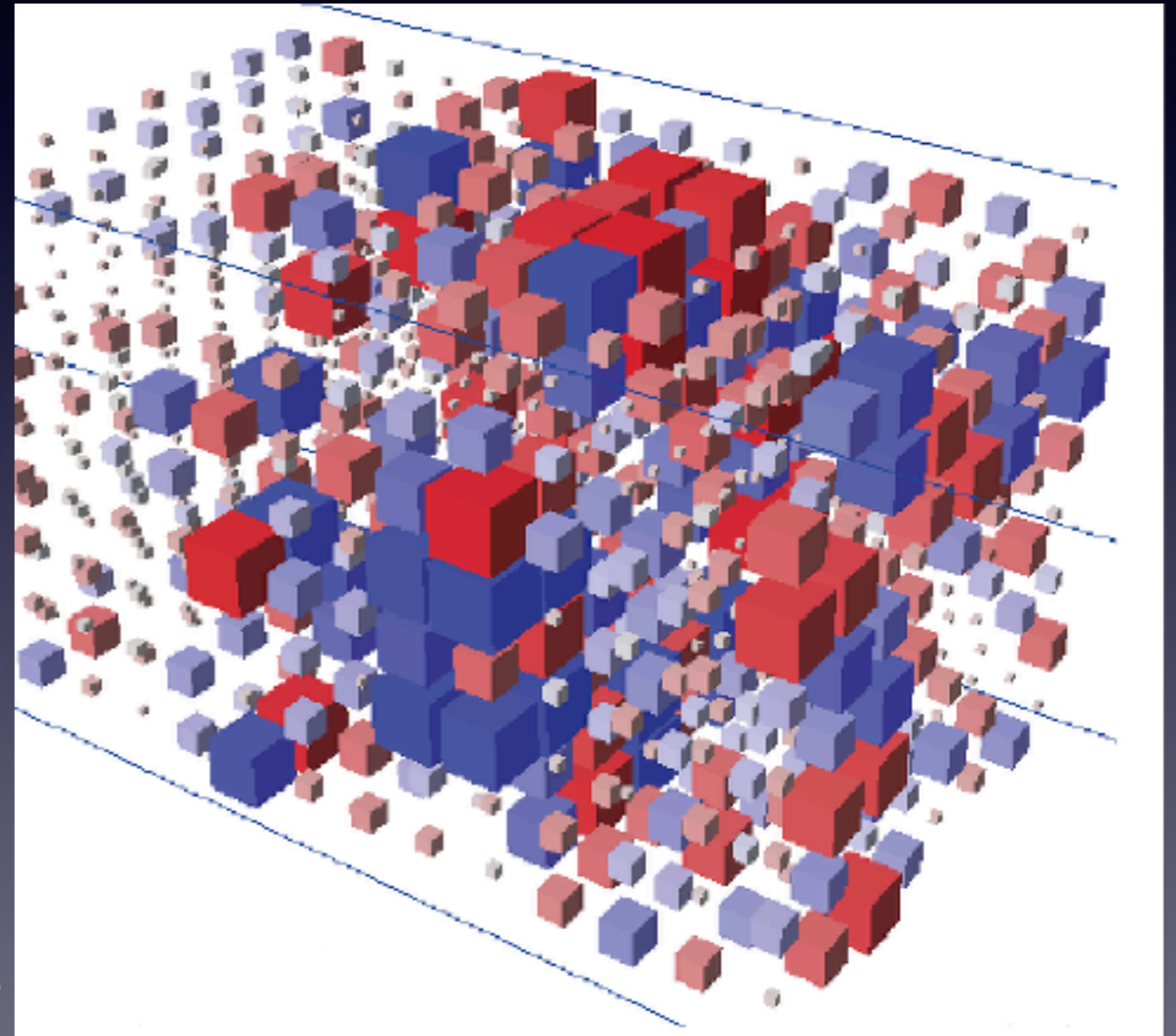
Not always likeable personalities

# Motives for Exploration

- Trade
- Search for riches
- New converts to the faith
- Acquisition of empire
- Duty to crown & country
- Search for scientific knowledge

# The Quests & Themes Matrix

- **Quests** are journeys & voyages of discovery, which:
  - have defined objective(s)
  - are time & place specific
- **Themes** are topics that:
  - recur in both time & space
  - vary depending on circumstances



# Examples of Quests



# List of quests is massive

The Silk Road

The Discovery Of Australia

Exploring The Orient

Crossing The Sahara

The Pacific Ocean

The Ming Dynasty Voyages

C19<sup>Th</sup> & C20<sup>Th</sup> Explorers Of Turkestan

The Deep Oceans

AMH Spread Out Of Africa

Putting A Man On The Moon

Arab Exploration Of The Indian Coast

... And Many Others

# Examples of Themes

"Who Got To *There* First?" (America, Australia)

Navigation & Cartography

The Role Of The Church

Women Explorers

"What Do They Think Of Us?" The Local People's Perception Of New Arrivals

How Was New Knowledge Received & Assimilated?

Biological Exchanges Between Continents

# Programme

Week	Date	Topic	Facilitator
1	17 January	Introduction & overview	Tim Ewbank
2	24 January	Exploring Space	Tony Jordan
3	31 January	The Shape of the Earth	Derek Jones
4	7 February	First Contact	Tim Ewbank
5	14 February	Indonesian Coral Reefs	Peter Laskey
6	21 February	British Discovery of Indian's Ancient Past	Janet Pope
7	28 February	Colonial Plant Hunters of the Eastern Himalayas	Chris Wagner
8	7 March	Early Pacific Explorers	Ruth Haynes
9	14 March	TBC	TBC
10	21 March	Show and tell	All



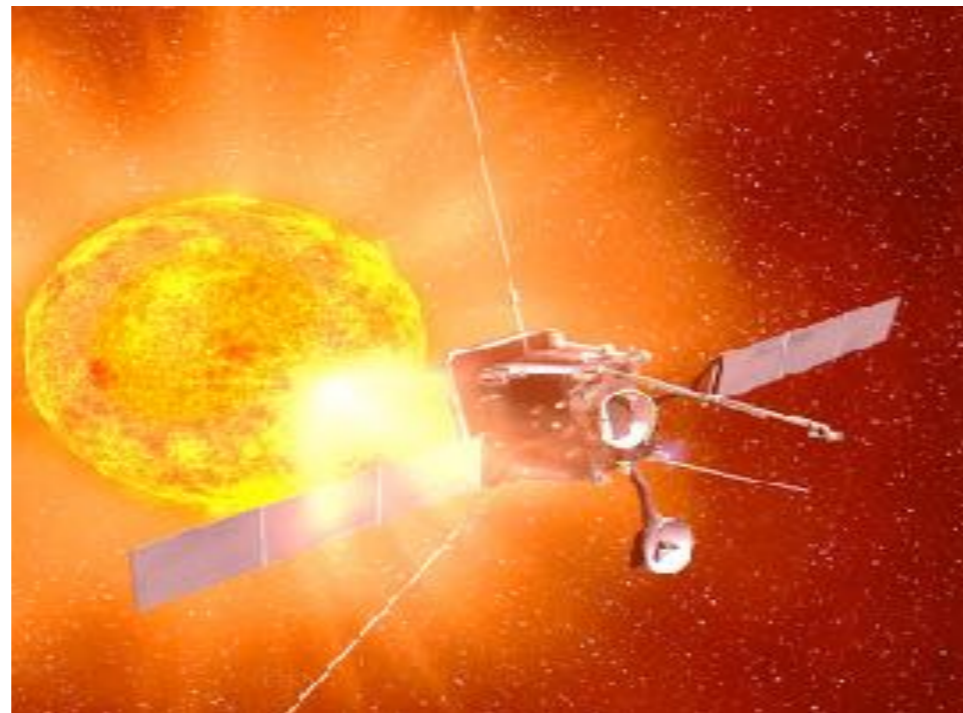
# Exploring Space

Tony Jordan

Overview of space exploration.

Whizz through the solar system & beyond

Focus on exploring the sun and Mar

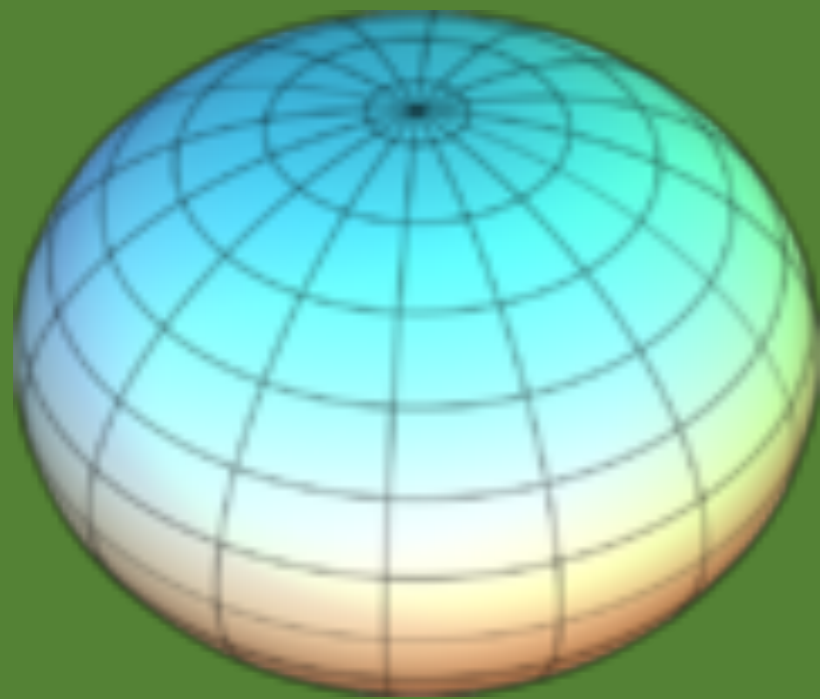


Lots of exciting space news recently....

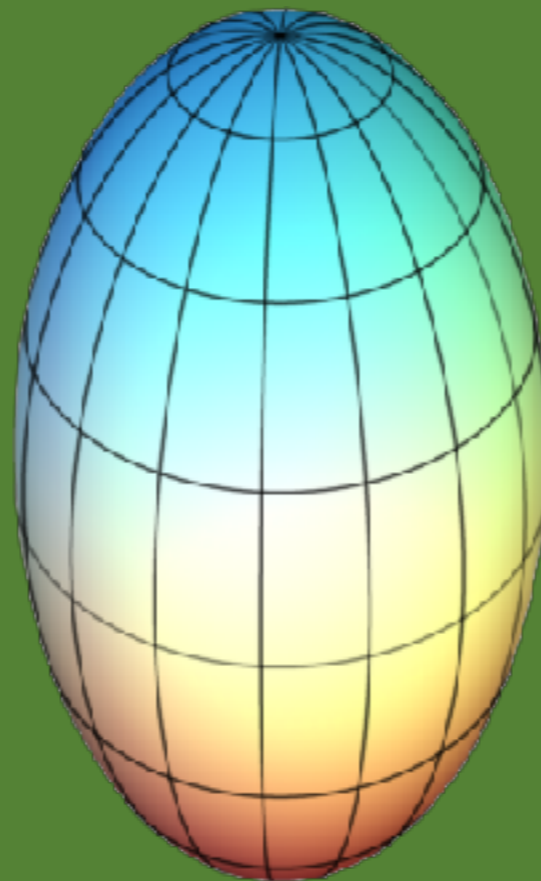
- China's **Chang'e-4** mission landed the **Jade Rabbit-2** rover on the far side of the moon.
- NASA's **New Horizons** satellite flew past the most primitive object ever explored
- NASA's **Insight** probe put its first instrument down on Mars.
- Europe launched the **Bepi-Colombo** mission to Mercury.

# The Shape of the Earth

Derek Jones



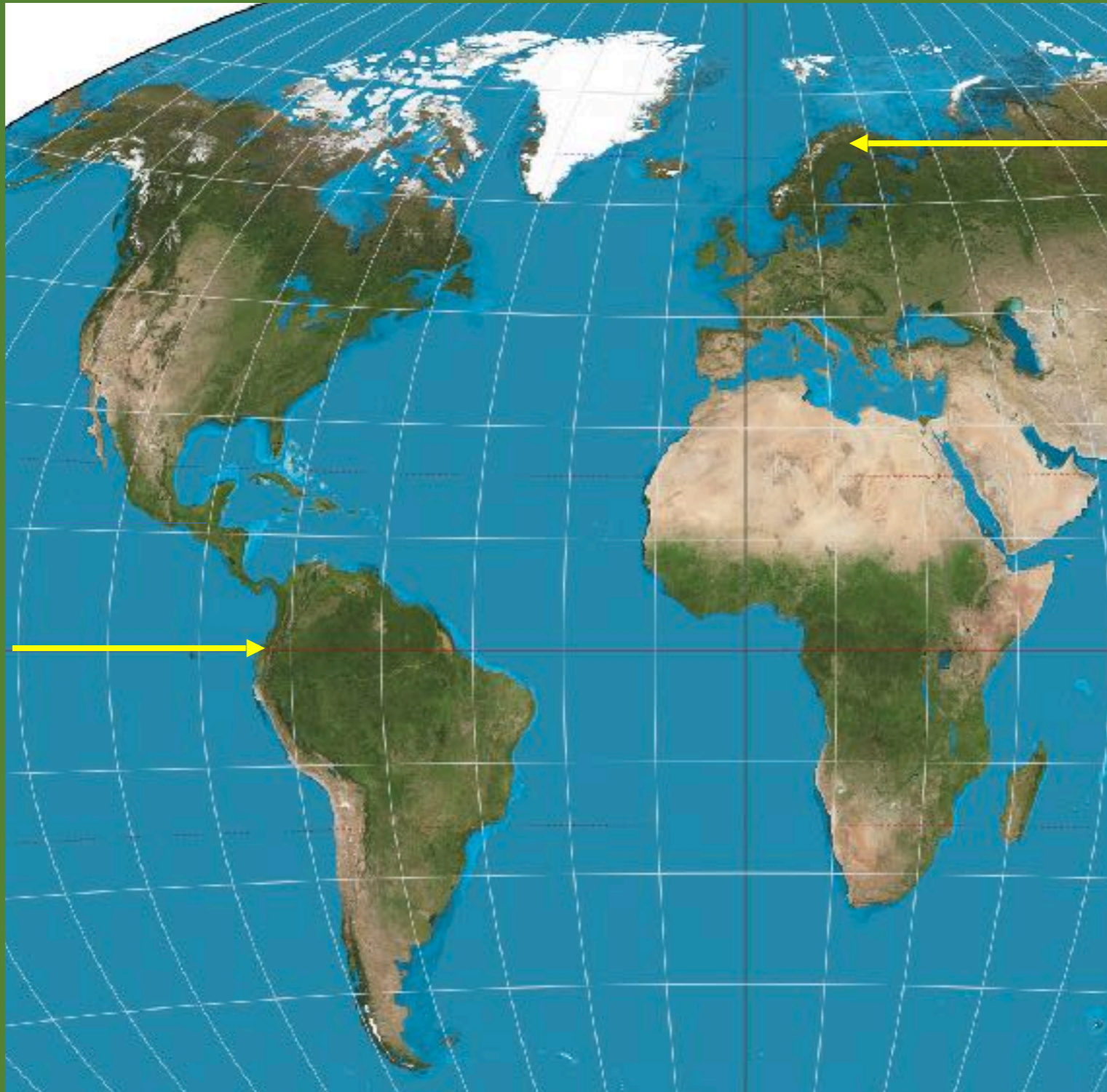
Oblate - Newton



Prolate - Cassini

For an oblate spheroid, the length of one degree, increases from equator to pole

For a prolate spheroid, the length of one degree, decreases from equator to pole



Maupertis  
Lapland  
1736 - 1737

La  
Condamine  
Peru  
1735 - 1745

# First Contact



Interactions between explorers and “locals” in:  
America  
sub-saharan Africa  
Southern India  
Japan  
Australia and New Zealand

*On meeting, what were both parties expectations?  
To what extent were they met?  
How did the initial meeting shape the future?*

# British Discovery of India's Ancient Past

## Outline

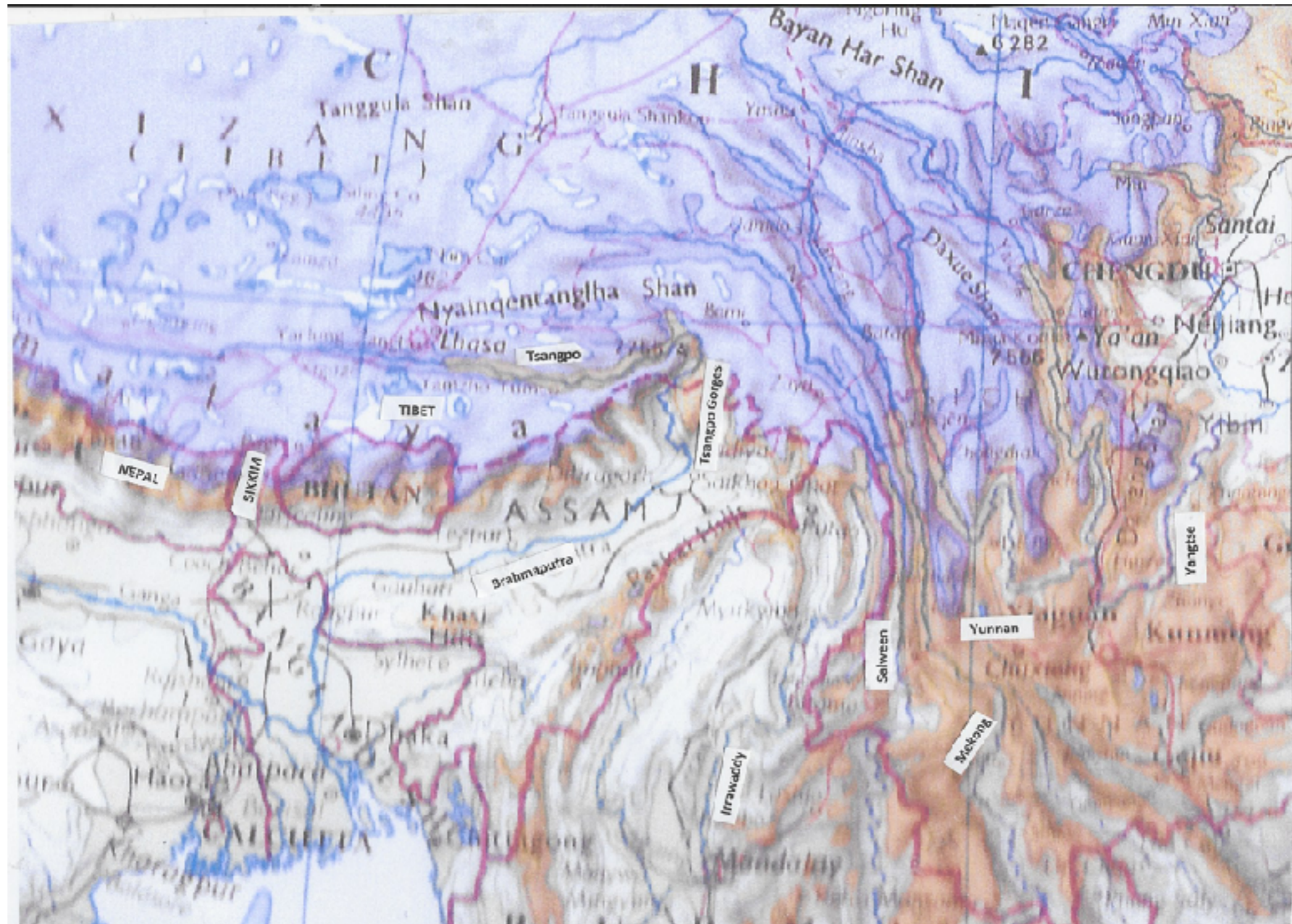
- People
  - Alexander Cunningham - archaeologist
  - James Prinsep - linguist
  - Colin Mackenzie - surveyor
- Historical sites
  - Indus valley civilization
  - Taxila city
  - Edicts of Ashoka
  - Amaravati Buddhist monastery

# Exploration in Eastern Himalayas by European Plant Hunters

Sir Joseph Dalton Hooker, Sikkim, 1848-49, Assam 1850, d 1911

George Forrest, Yunnan Province, many visits, 1904-32, d 1932

Frank Kingdon-Ward, Yunnan, many visits, 1911-21, Tsangpo Gorges, 1924-25, d 1956



# Course resources

Presentations can be posted on course website:

[www.zimbushboy.org/exploration](http://www.zimbushboy.org/exploration)

(dependent on presenters being willing to share their material)

Talks from 2017 & 2018 also on the site