

# Status of Austronesian Voyaging and Religions

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Asia-Pacific SpatioTemporal Institute (ApSTi)  
Electronic Cultural Atlas Initiative (ECAI) Workshop

ISGC, Academia Sinica, Taipei  
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# National Chengchi University





# Hilly District of Southeast Taipei





# Research Innovation-Incubation Center

## 研究暨創新育成總中心







**Asia-Pacific SpatioTemporal Institute**  
**Top University Project in Digital Humanities**

頂尖大學數位人文計畫  
亞太時空資訊研究室



*facilitating capacity building and  
innovative ways of sharing information  
by digital methods for visualizing  
spatiotemporal aspects of human  
experience*



We offer a range of project services to facilitate new ways of configuring data based on the tools of geo-referencing and interfacing of spatiotemporal systems creating dynamic maps of unique information possibilities.

# Forest Environment









# Electronic Cultural Atlas Initiative (ECAI) Austronesia Team

*Interactive Mapping of Austronesia from Cultural  
Resources to Integrated Systems*



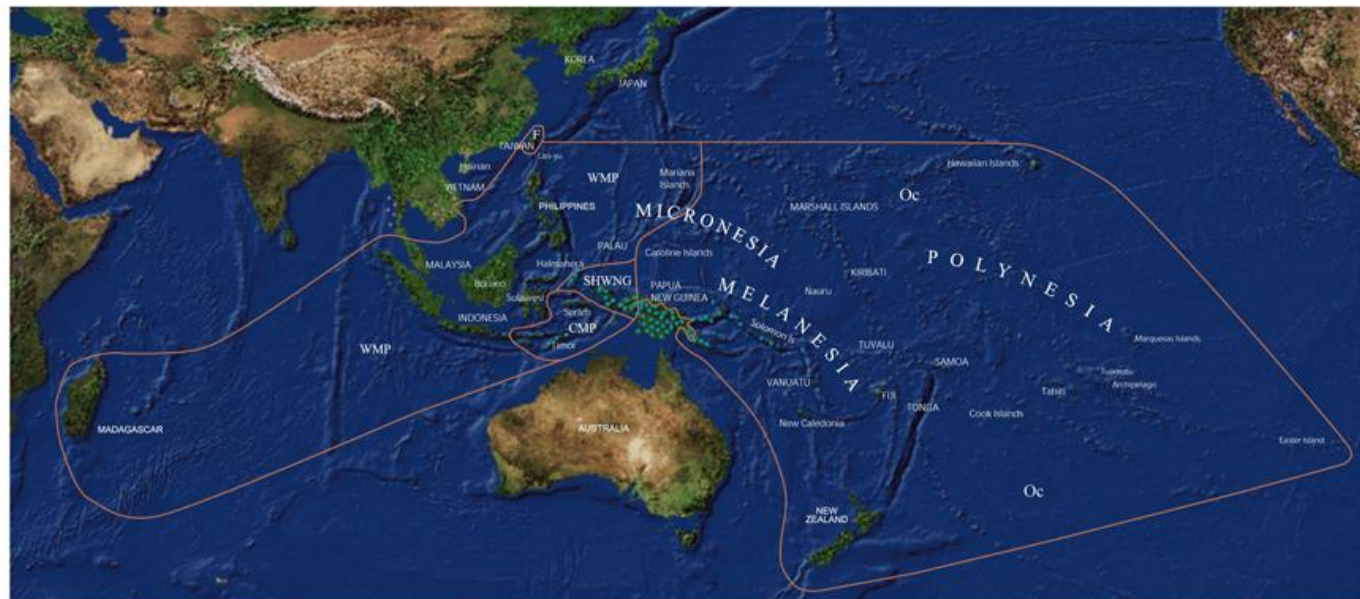


ATLAS OF

# Maritime Buddhism

ELECTRONIC CULTURAL ATLAS INITIATIVE

# Network of Resources



## Key to the Austronesian Language Map

F	Formosan Languages
WMP	Western Malayo-Polynesian Languages
CMP	Central Malayo-Polynesian Languages
SHWNG	South Halmahera West New Guinea
Oc	Oceanic Languages
	Papuan Languages

## Structure of the Austronesian Language Family

AN	Austronesian Language Family
F	Formosan Languages
MP	Malayo-Polynesian Languages
WMP	Western Malayo-Polynesian Languages
CMP	Central Malayo-Polynesian Languages
EMP	Eastern Malayo-Polynesian Languages
SHWNG	South Halmahera West New Guinea
Oc	Oceanic Languages

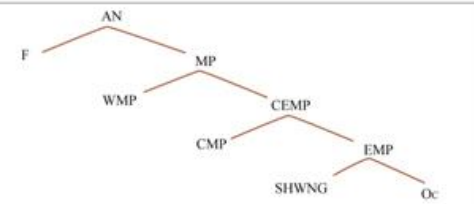


Figure 1

Distribution of the Austronesian Language Family and Major Subgroupings. Adapted from the Research School of Pacific and Asian Studies, National Australian University. Structure of the Austronesian Language Family from Blust.



# Use of Google Earth



# Time-enabled Map Displays

This enables display of multiple language area boundaries including contemporary languages areas. It uses dynamic map display techniques capable of visually showing change.















**MER DE CHINE**  

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**ILES BASHEE ET BABUYANES**

d'après les travaux Anglais et Espagnols les plus récents.

DÉPÔT DES CARTES ET PLANS DE LA MARINE

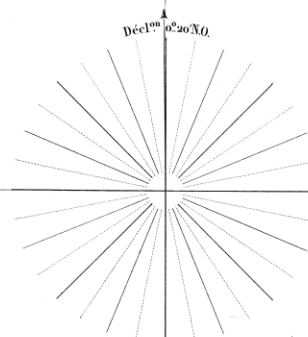
1867.

Les Sondes sont exprimées en Mètres.

Les Longitudes sont rapportées à celle de la Cathédrale  
de Manille qui est de  $118^{\circ}38'.39''$  Est de Paris.

L. Manen, *Ing<sup>5</sup> Hyd<sup>10</sup>be*

C A N A L      D E S      B A S H E E

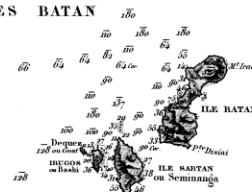


 **R<sup>es</sup> Nord des Bashee**  
(Existence douteuse)

Siavan  Mabudis



ILES BATAN



atitude Septentrionale.

















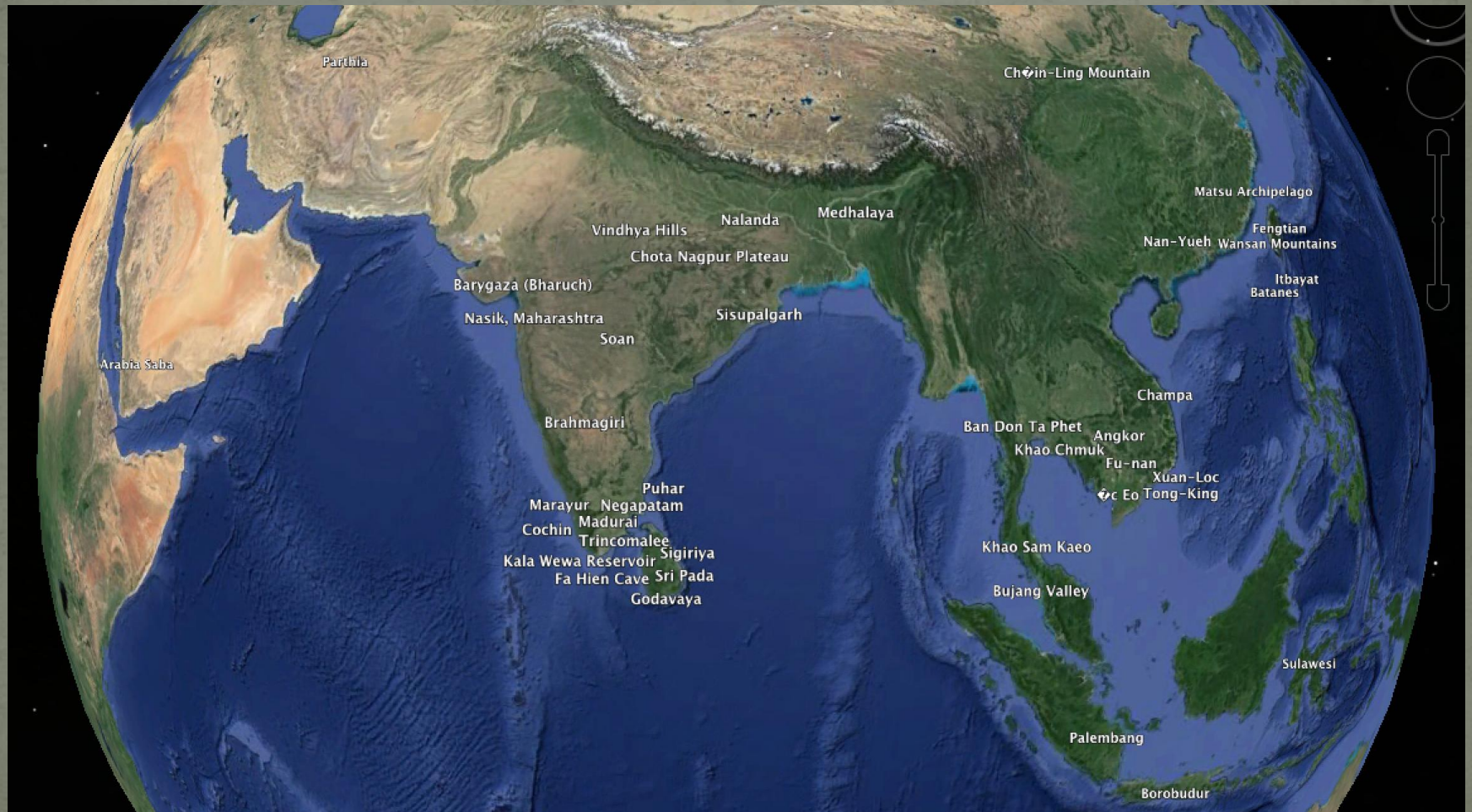


# Lands of Ganga, Islands, and China





# ECAI Atlas of Austronesian Navigation and Religious Networks





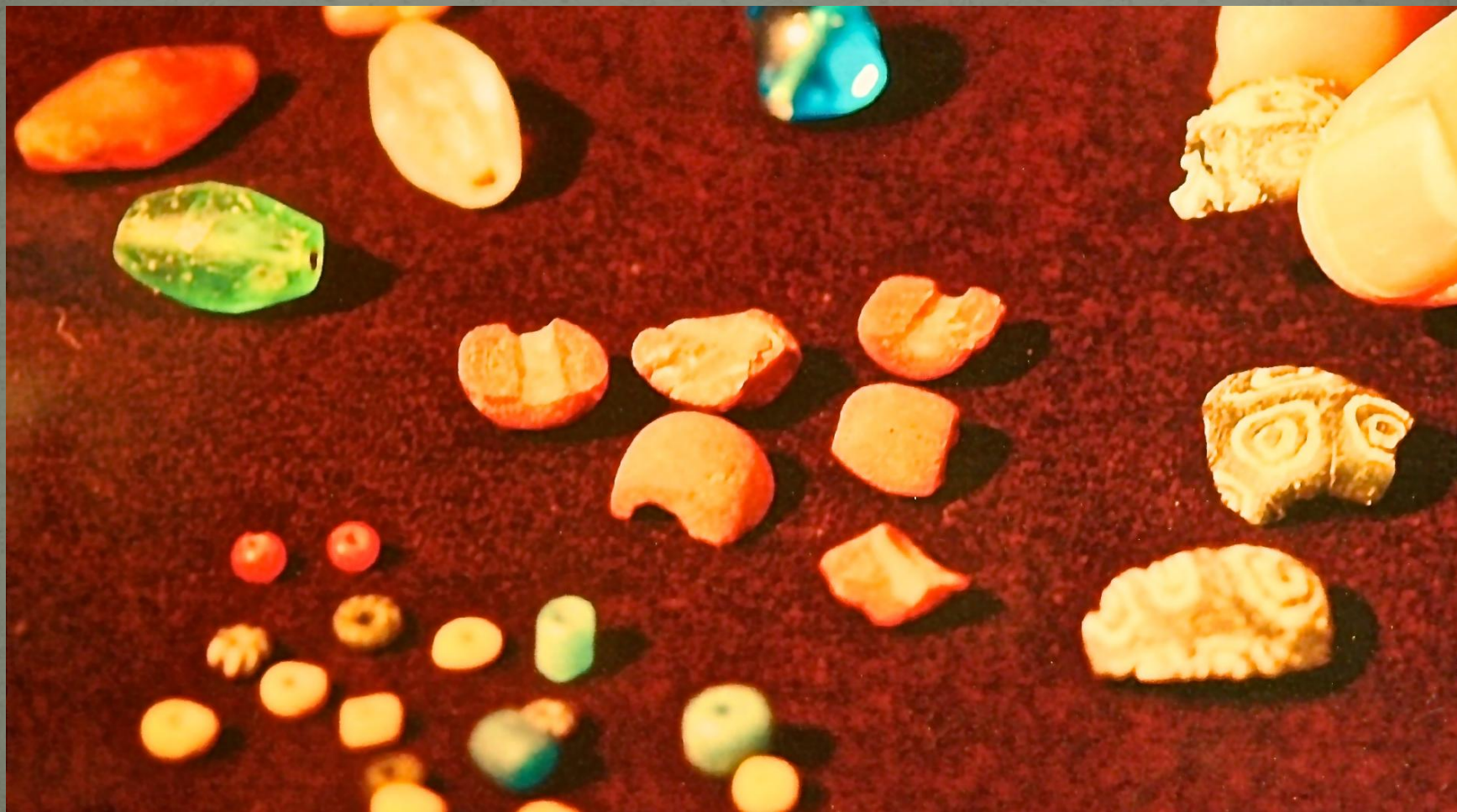
# Navigation





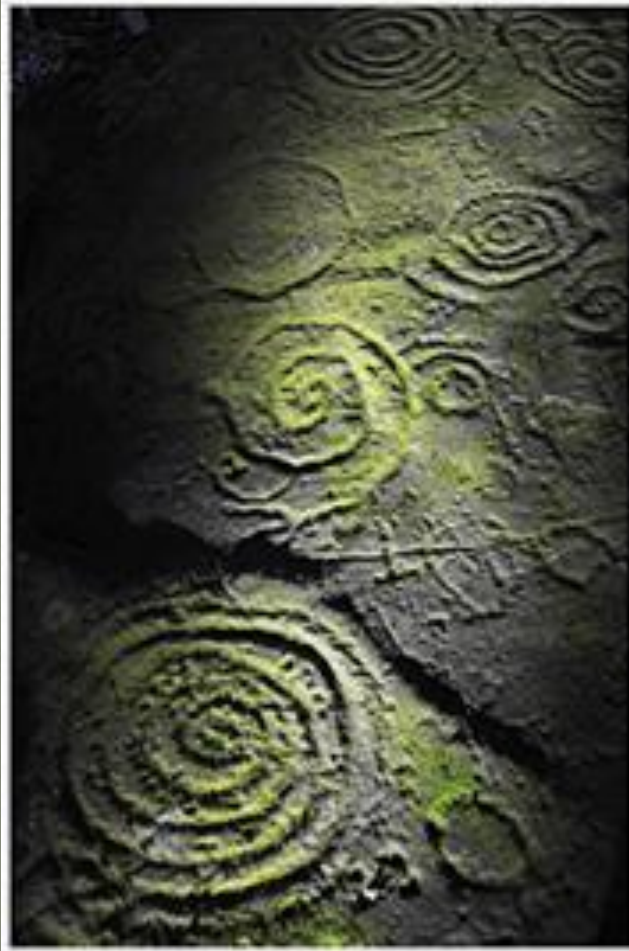
# Trade Beads







# Symbolism



# Totems





# Seat (Authority), Tree, Sun or Star

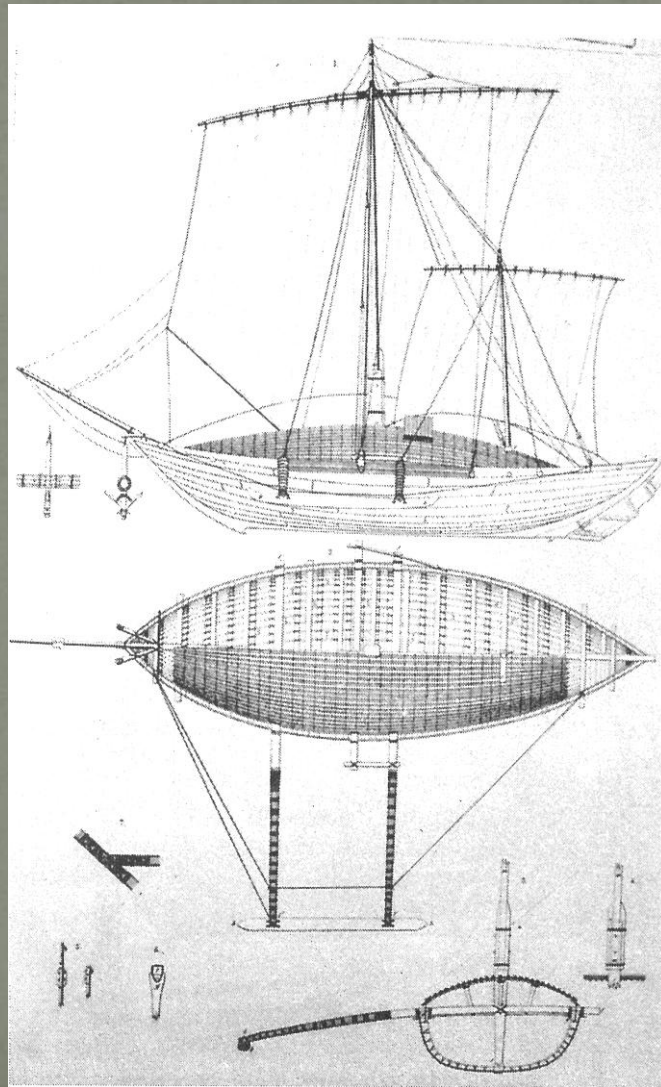


# Current Project

Merchants commissioned Austronesian-speaking mariners to sail in sea craft—wood plank hull lashed and stitched together with outrigger—across the Bay of Bengal and Andaman Sea to South China Sea, and beyond.



# Oru











*les Isles Carn.*

Index des Noms

les Isles

Canal de S. George

*I do Not*





# Maritime Archaeology, 1st cen. Godavaya, Sri Lanka



# Routes





1491



Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
© 2013 Cnes/Spot Image  
Image © 2013 TerraMetrics  
Image IBCAO

Google earth

Eye alt 6272.71 km

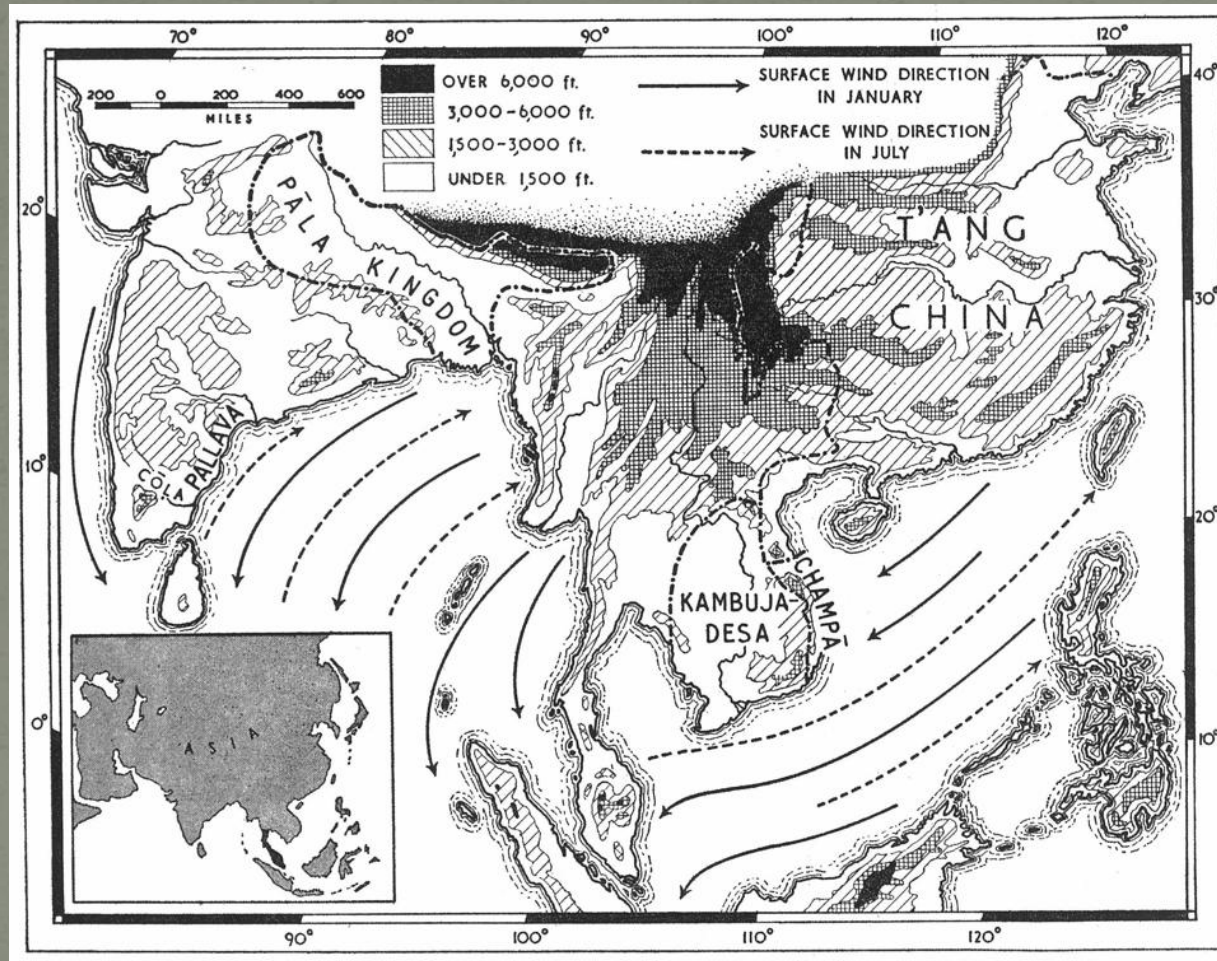


# Beliefs Circulated by Ships

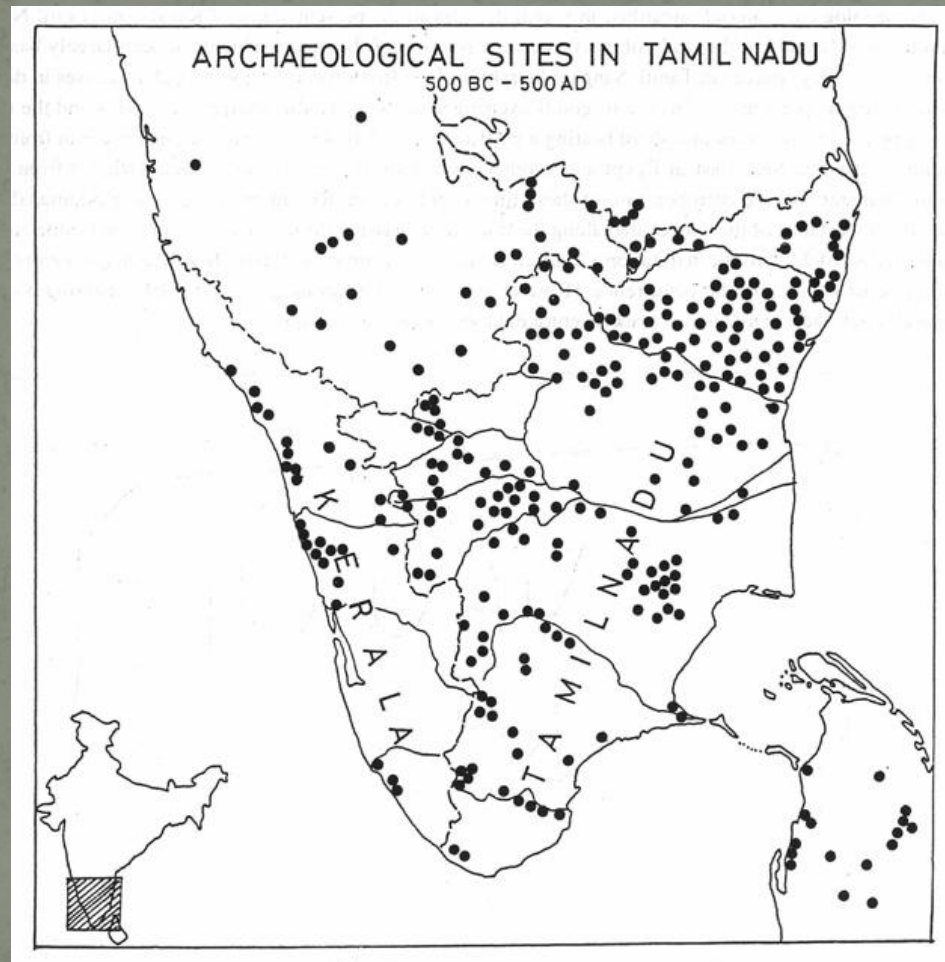




# Monsoon Winds Patterns



# Megaliths and Buddhist sites

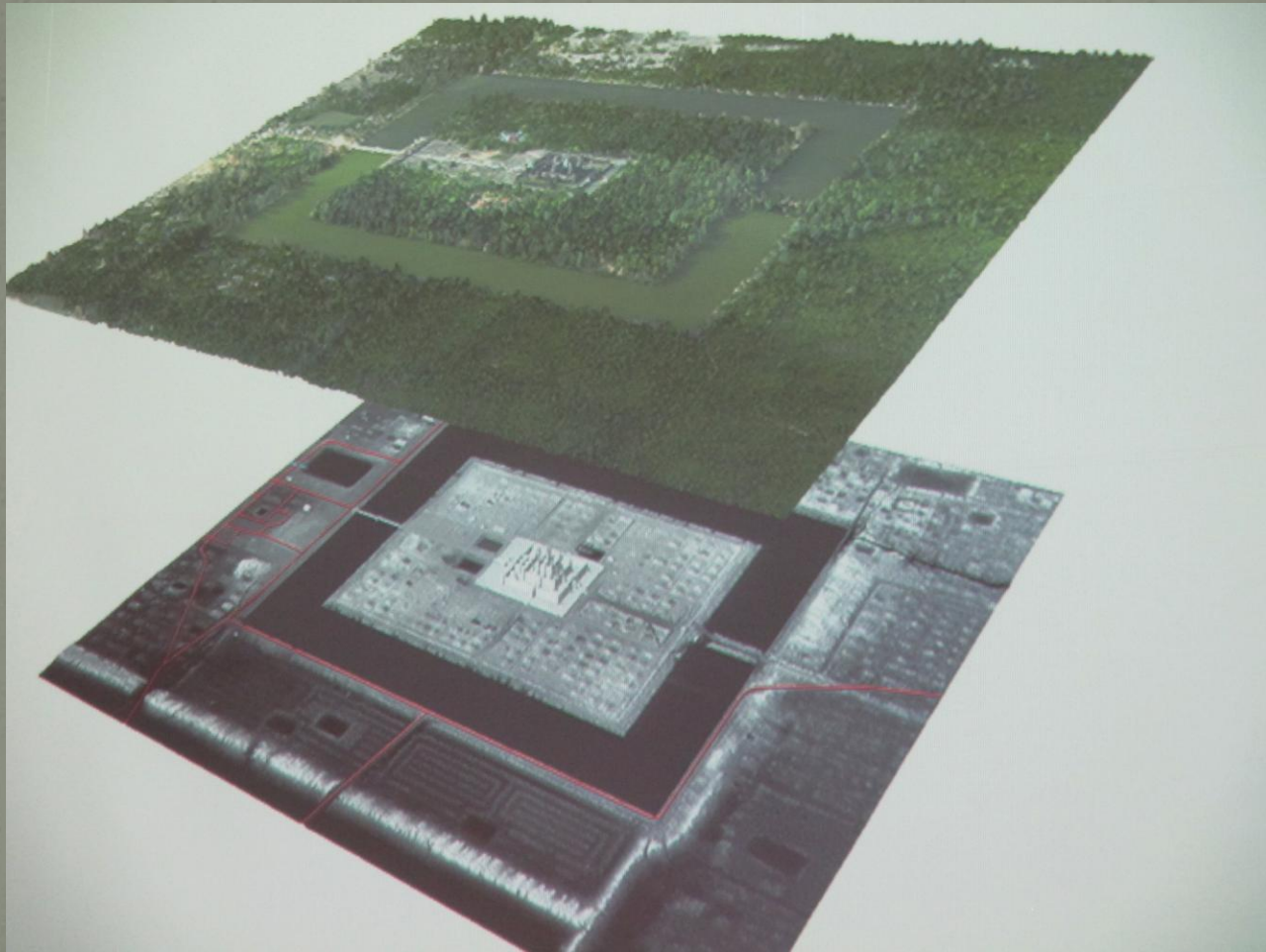




# Example of Megaliths in Taiwan



# Need of Survey by Remote Sensing



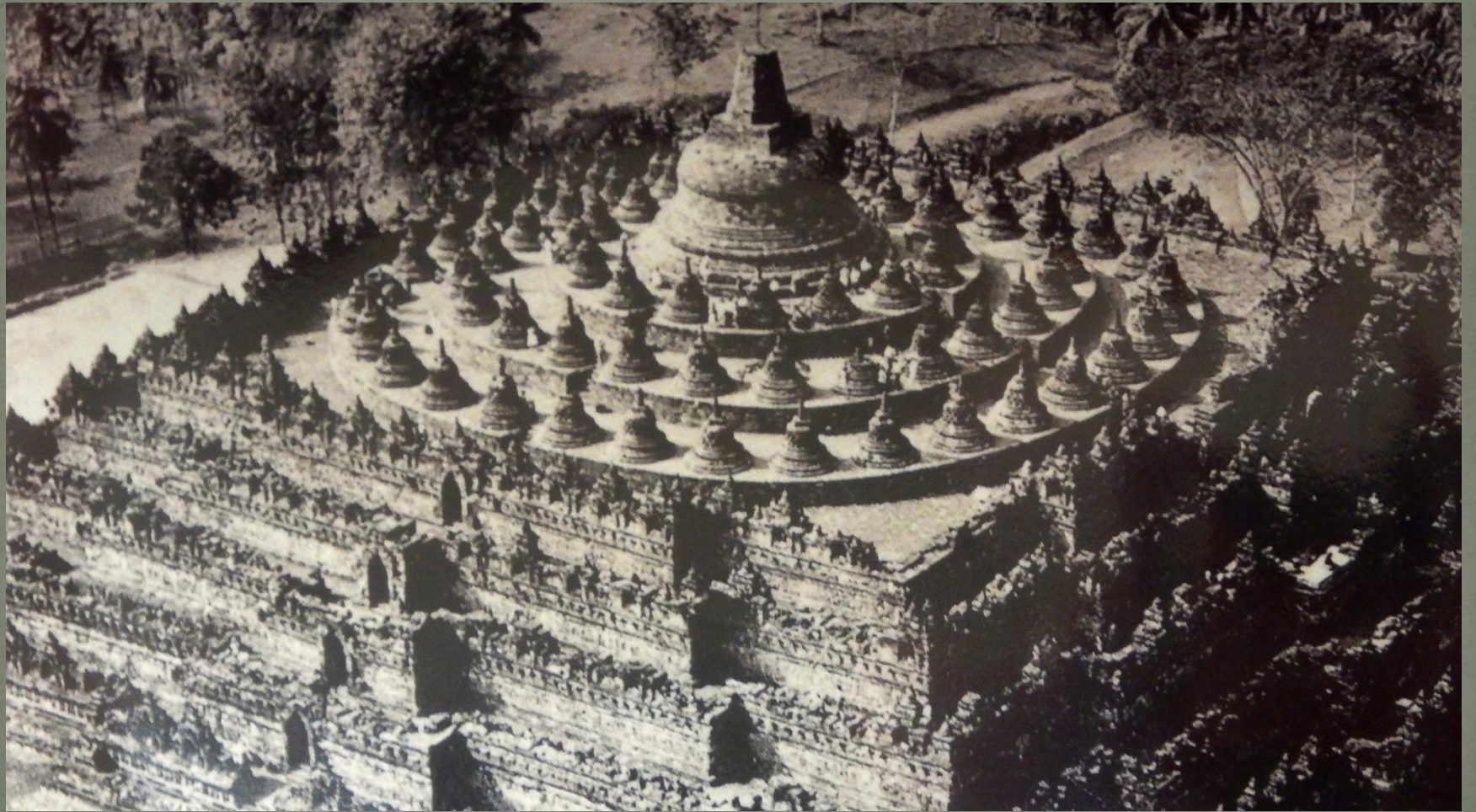


# *Candi* Temple Sites in Island Southeast Asia (Hindu, black. Buddhist, red)







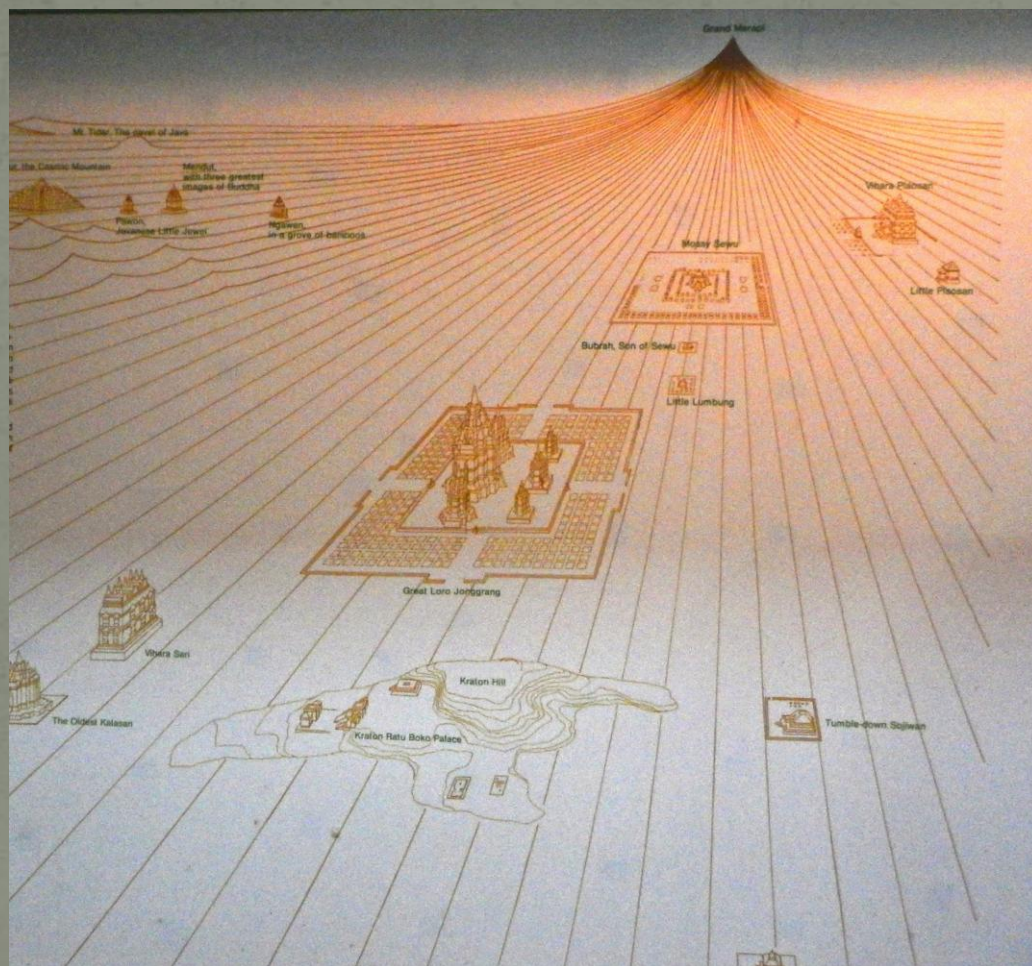




# Mt. Merapi







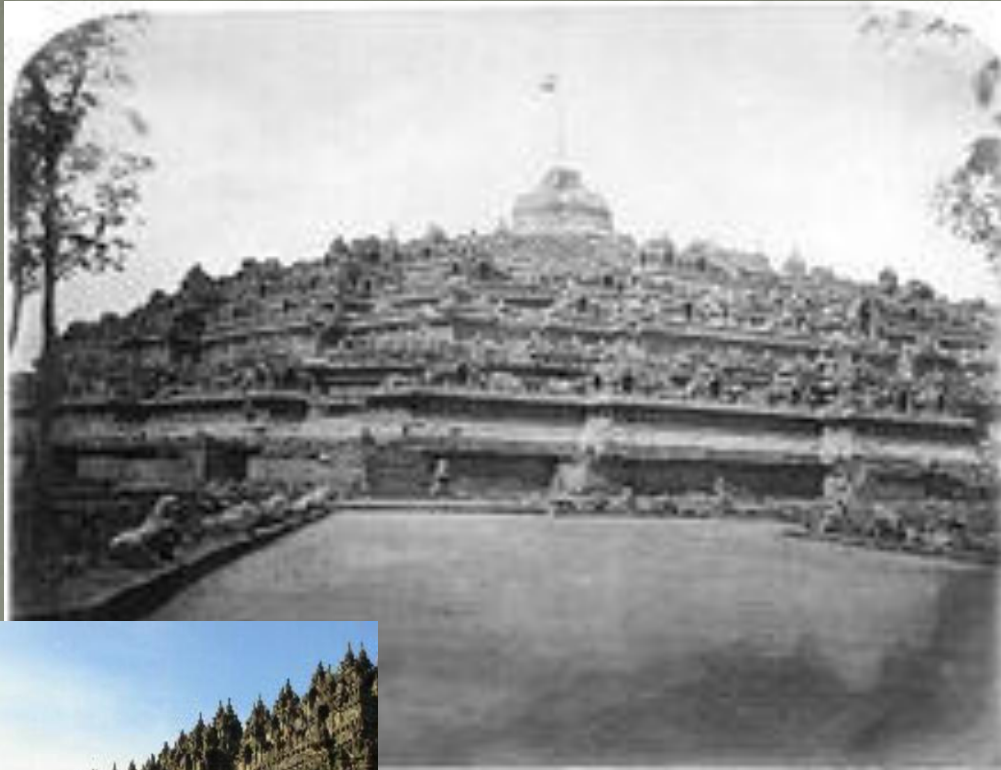












Borobudur, is a 9th cen.  
CE  
Buddhist monument, Java.











## Expedition Route and Dates

X = Expedition ship's approx position









# Candi Temple Sites in Island Southeast Asia (Hindu, black. Buddhist, red)



# Hawai'i



















# *Candi* Temple Sites in Island Southeast Asia (Hindu, black. Buddhist, red)



# Bronzes in Makassar, Sulawesi



cap berdiri, tangan kanan bawah telah hilang namun dapat diperkirakan  
kemungkinan dalam sikap abhaya mudra yang berarti menghibur rasa takut.  
an jilbab dari seorang pendeta yang dibuat seperti lipatan-lipatan yang  
ura Buddha tersebut, berasal dari kemana Amarawati di India Selatan  
ad ke 2 hingga abad ke-5 Masehi.  
g yang terbuat dari logam, pada masa dahulu kala digunakan sebagai  
n dan sebagai bekal kubur.  
yang sering terlihat dari bahan perunggu, pada masa lampau digunakan  
perunggu dari sebagai bekal kubur.

## AN AGES

agon ages developed around the early of B.C. until approaching the ages of  
olding them was given steadily until the history ages. The ability in making  
se and iron can trigger an increase in agriculture, making the larger houses an  
at with outrigger that can be used for inter-island shipping and trade. The  
one are bronze objects such as nekars, funnel, axe, the beads out of clay glass  
of shells, bronze, iron, and pottery technology to produce various types of  
sted or plain.

agon ages are  
nake of bronze. At the beginning of its development this type of axes were  
s, because the upper part shaped like a shoe or funnel as a part for inserting the  
ende. The technique of making this was making technique with wax and clay  
er past funnel one was used as ceremonial objects associated with the success of  
r of baked clay which comes from Mamuju regency. In prehistoric times it was  
f as a preparation grave.

he temple was found in the Sumpang village, Mamuju regency. It is estimated  
statue that is the patron deity of Buddhists. The statue of Buddha is  
on hand has been lost but it can be estimated that the right  
r made position which means divine law. The left h  
ro was made such a thin flat and parallel. The  
he development art in South Sulawesi that developed

art is made of shells. At the past time it was a  
pen.  
erter is made of bronze, in the past time it is a  
ne.



Our focus is on heritage, a cultural resource utilized for defining a people's ethos, facilitating a consciousness for spatiotemporal areas, and to communicate with others.

This has been of prime concern for determining a "sense of place."

Thank you

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# questions?





