

ΜΕΛΙΤΑΙΑ 14-8-2010

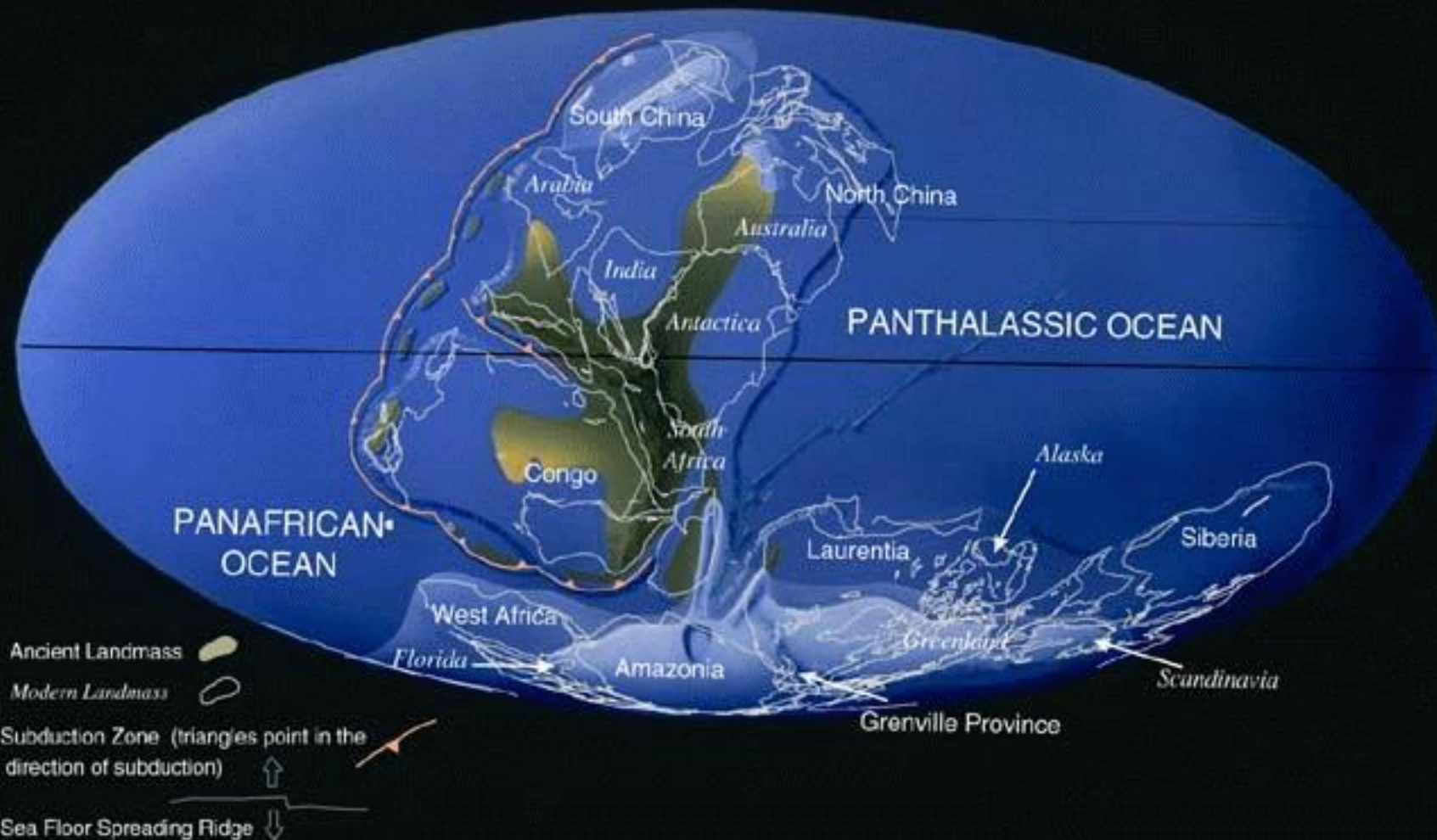
Μαρκατσέλης Βαγγέλης

Η ΦΑΝΤΑΣΙΑ ΜΑΣ ΕΙΝΑΙ ΦΤΩΧΗ ΣΕ ΣΧΕΣΗ
ΜΕ ΤΗΝ ΠΡΑΓΜΑΤΙΚΟΤΗΤΑ

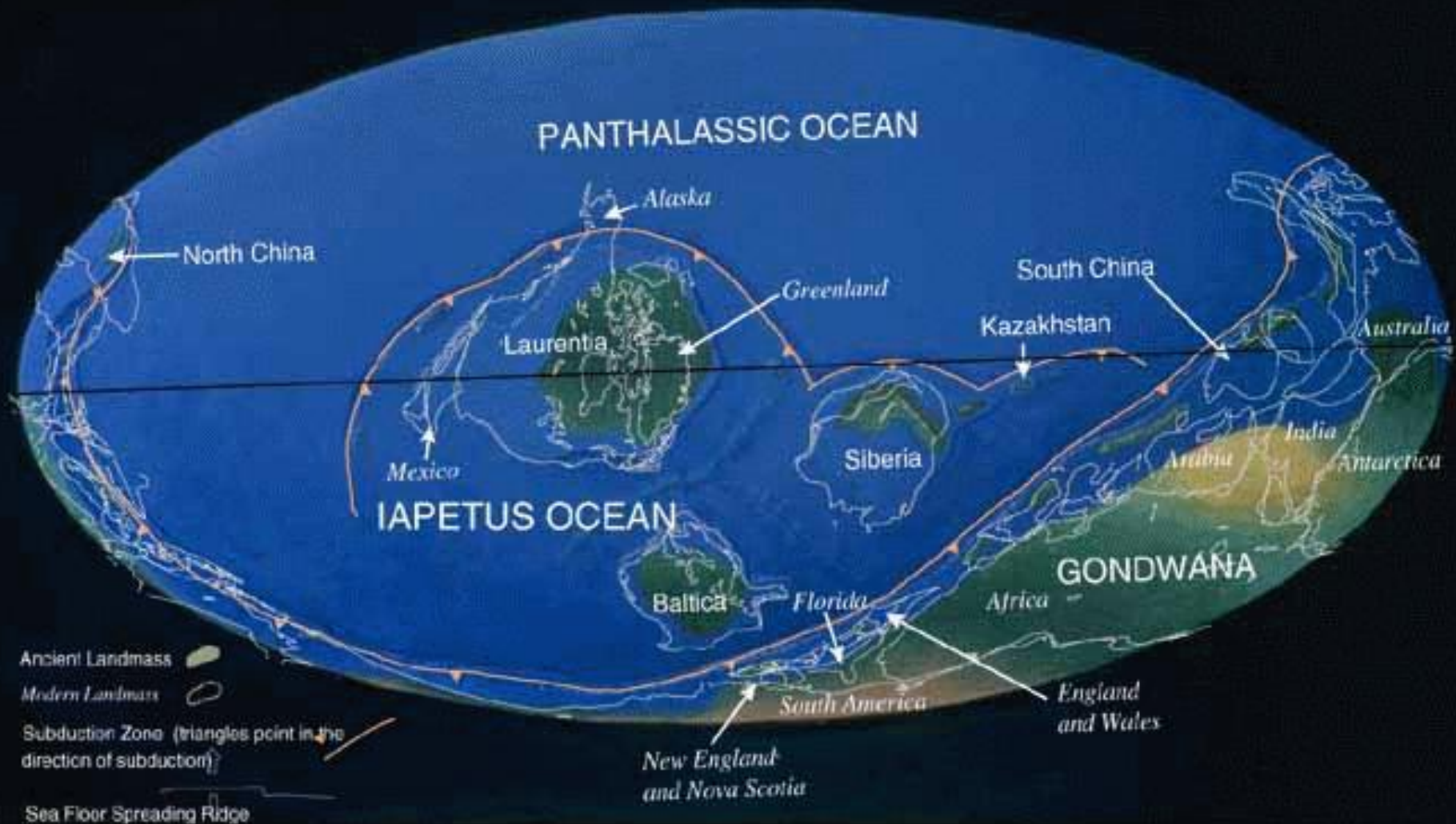
Η ΠΡΑΓΜΑΤΙΚΟΤΗΤΑ ΕΙΝΑΙ ΑΠΙΣΤΕΥΤΗ...
ΑΛΛΑ ΕΙΝΑΙ ΠΡΑΓΜΑΤΙΚΟΤΗΤΑ



Late Proterozoic 650 Ma

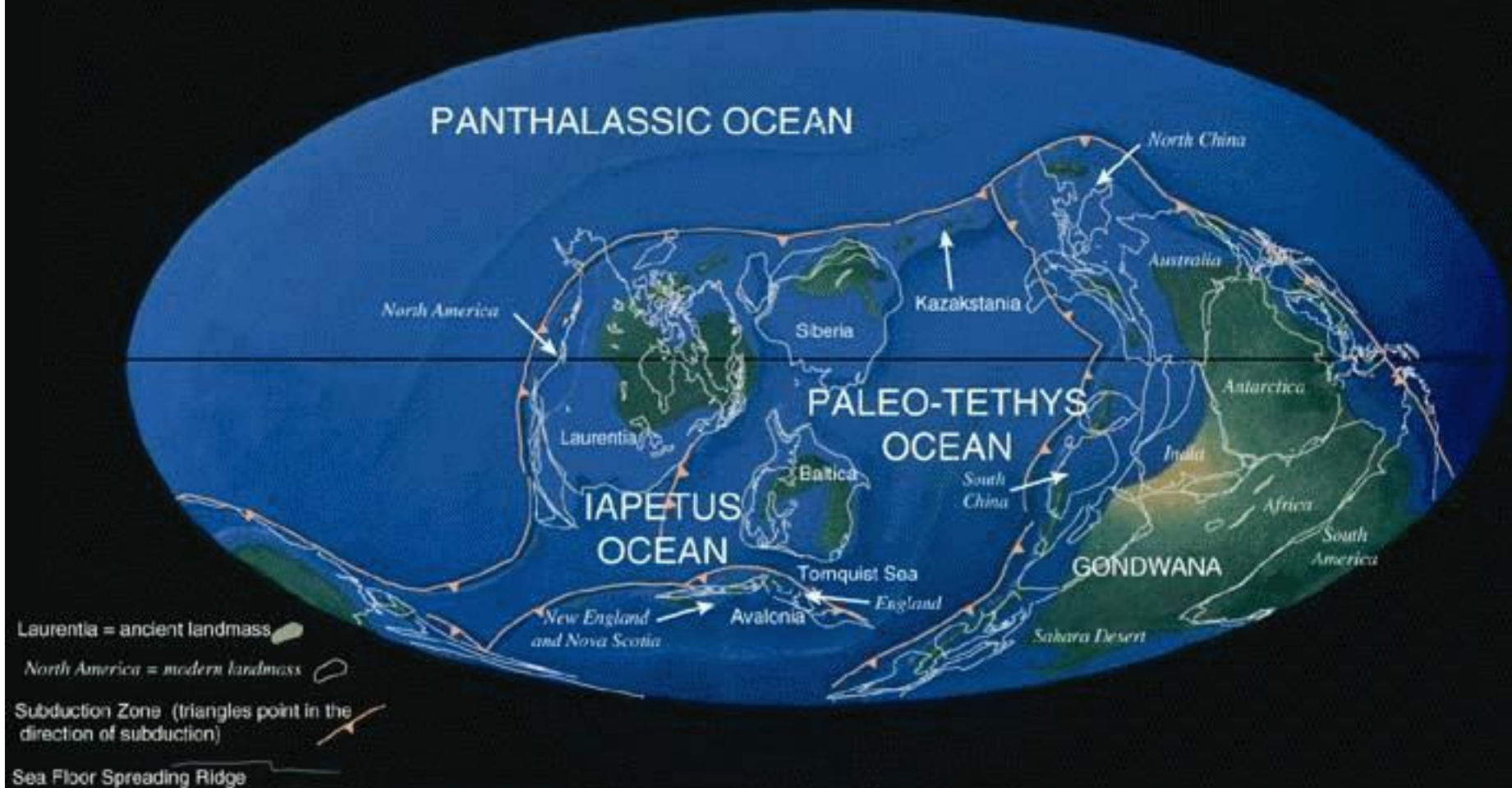


Late Cambrian 514 Ma



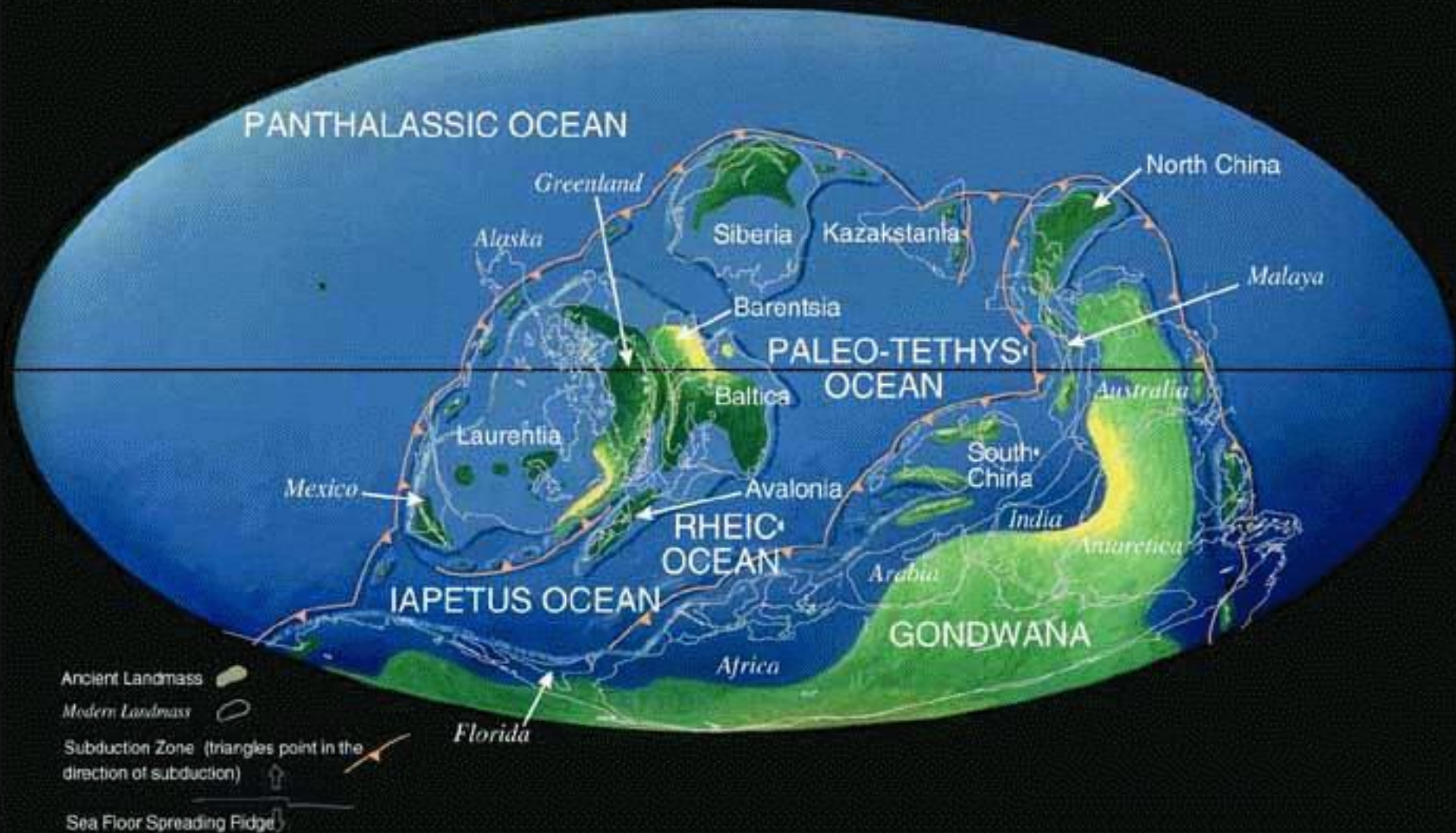
Κάμβριος Περίοδος

Middle Ordovician 458 Ma



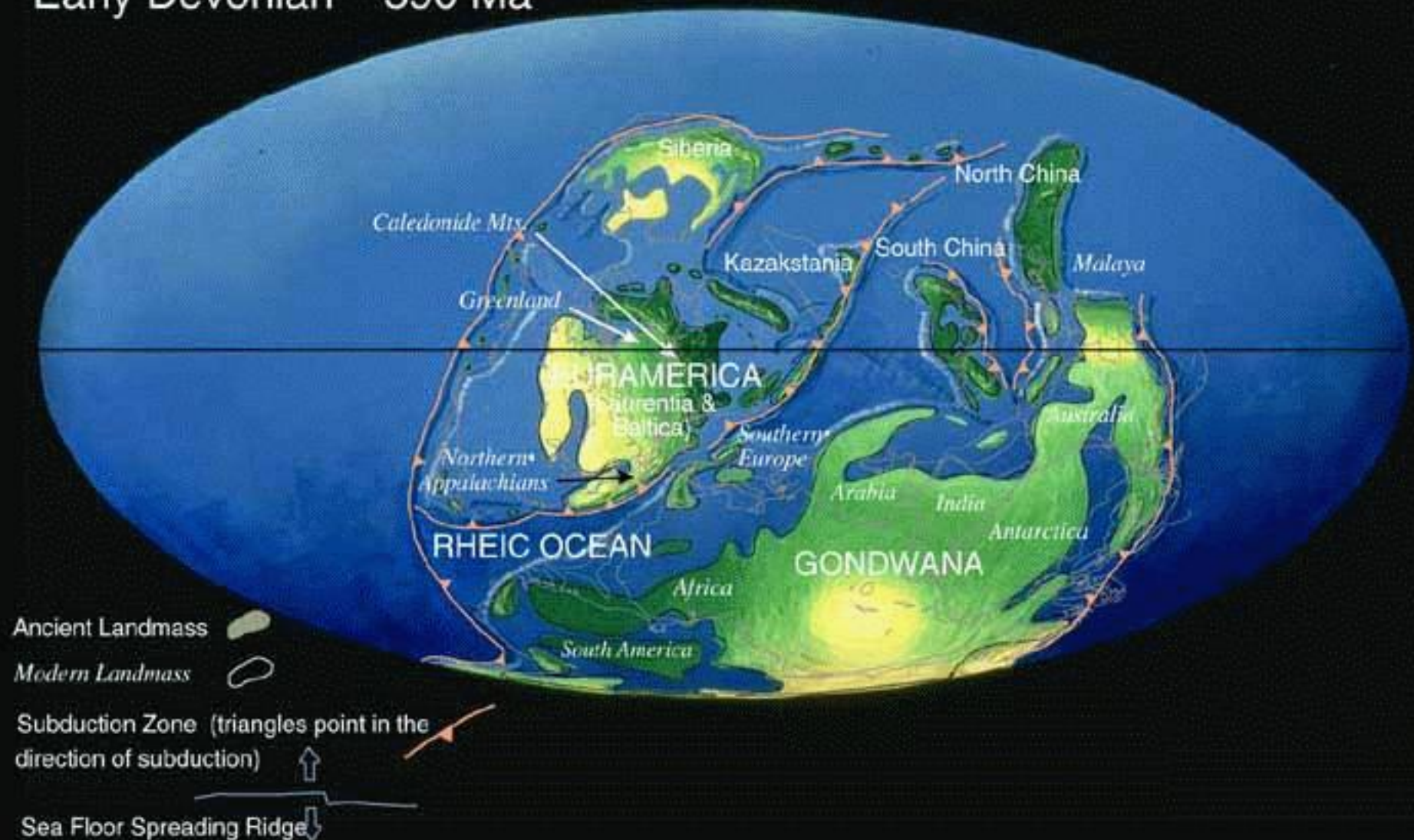
Μέση Ορδοβίκειος Περίοδος (Αρχαίοι Ωκεανοί)

Middle Silurian 425 Ma



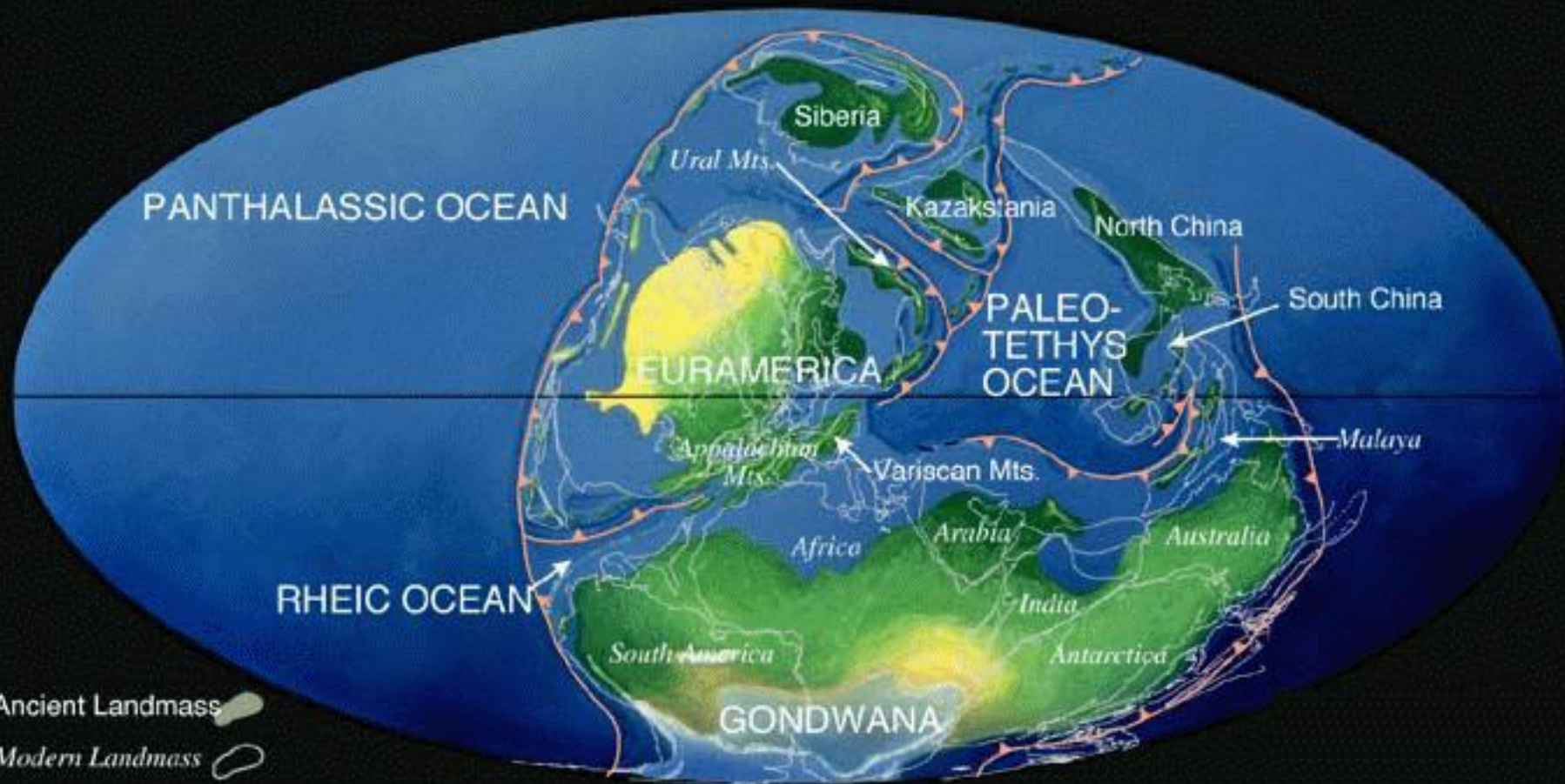
Μέσα Σιλουρίου Περίοδου (Παλαιοζωικοί Ωκεανοί)

Early Devonian 390 Ma



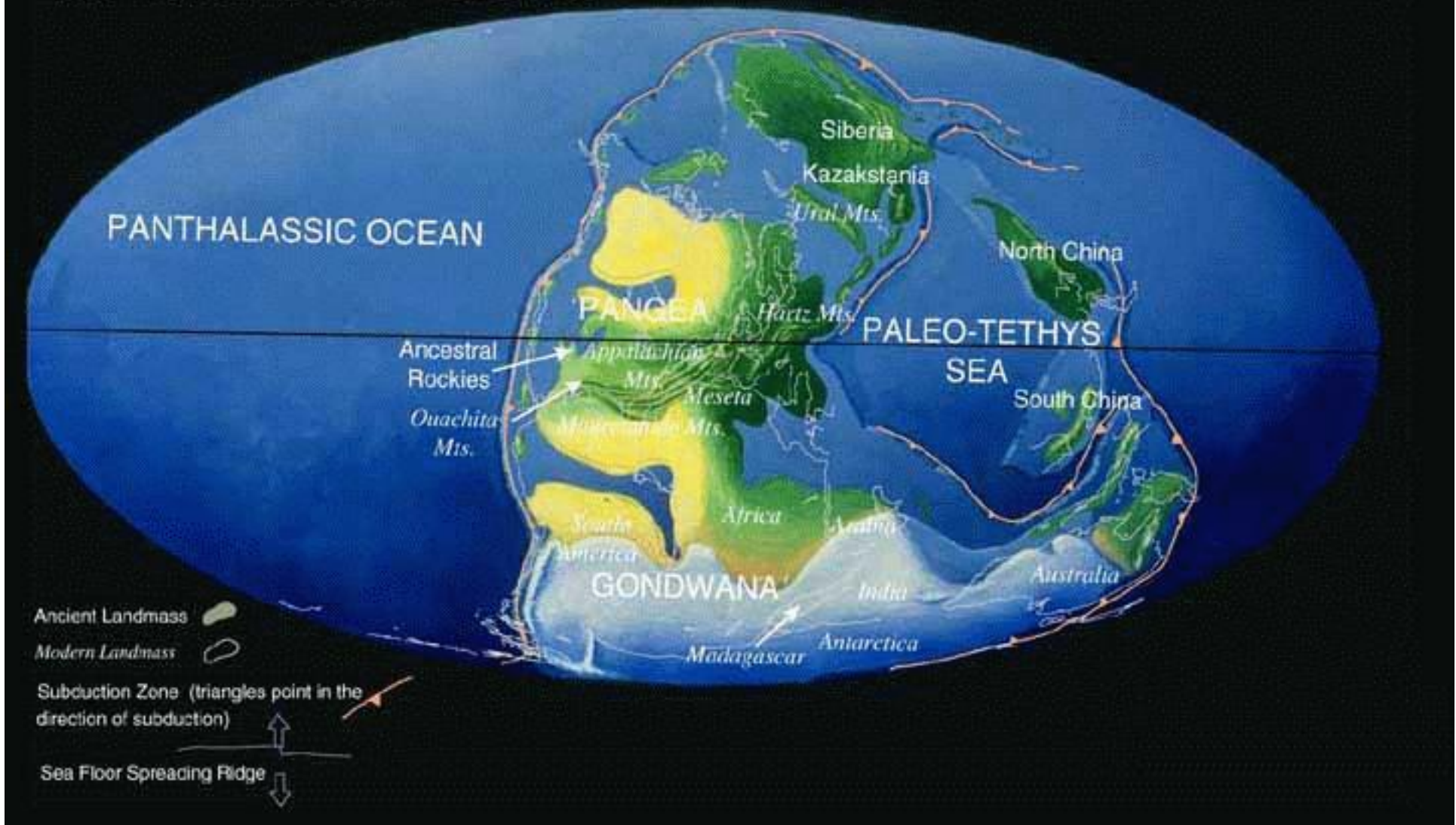
Αρχές Δεβονίου Περιόδου

Early Carboniferous 356 Ma



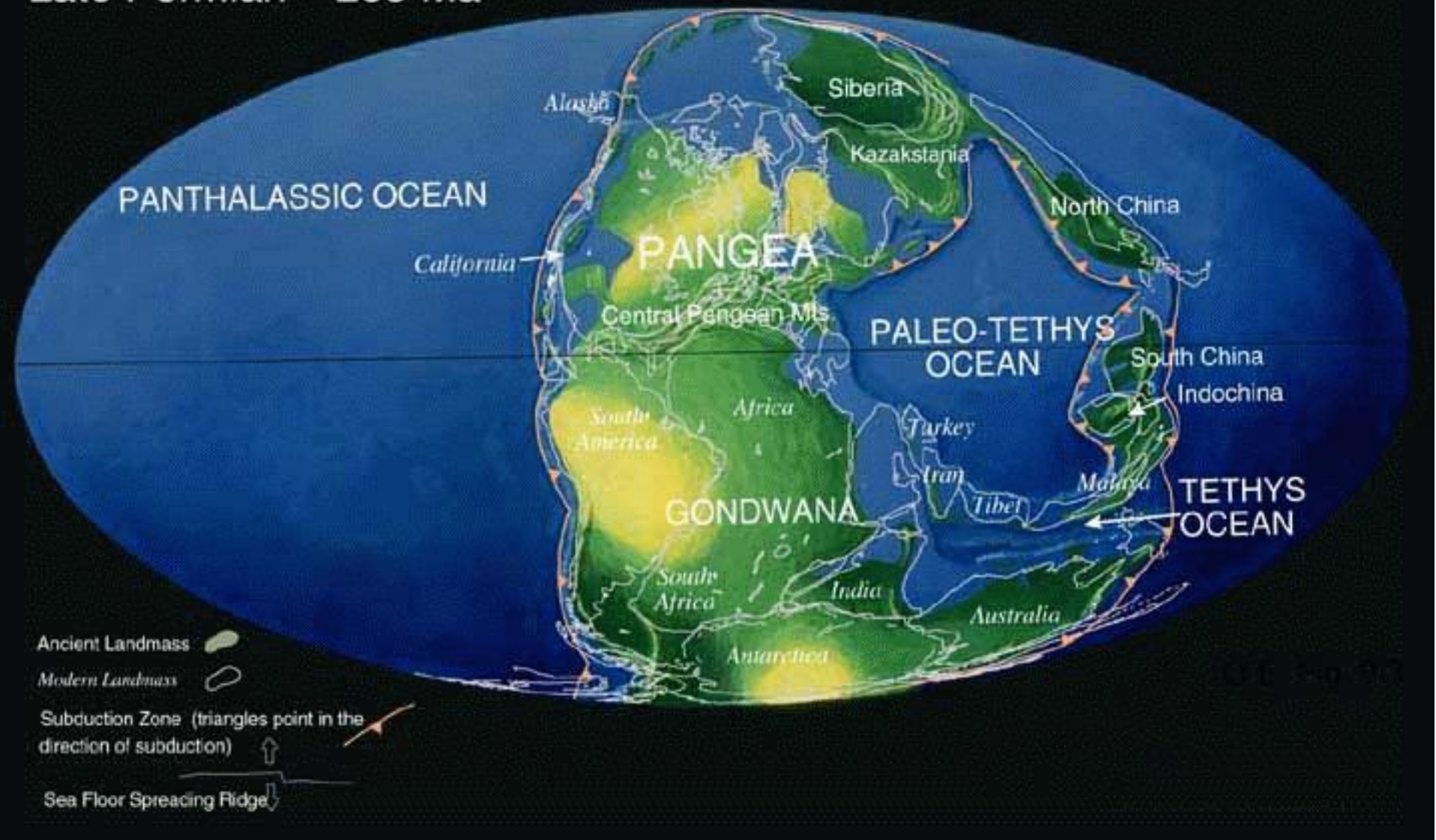
Αρχές Λιθανθρακοφόρου περιόδου

Late Carboniferous 306 Ma



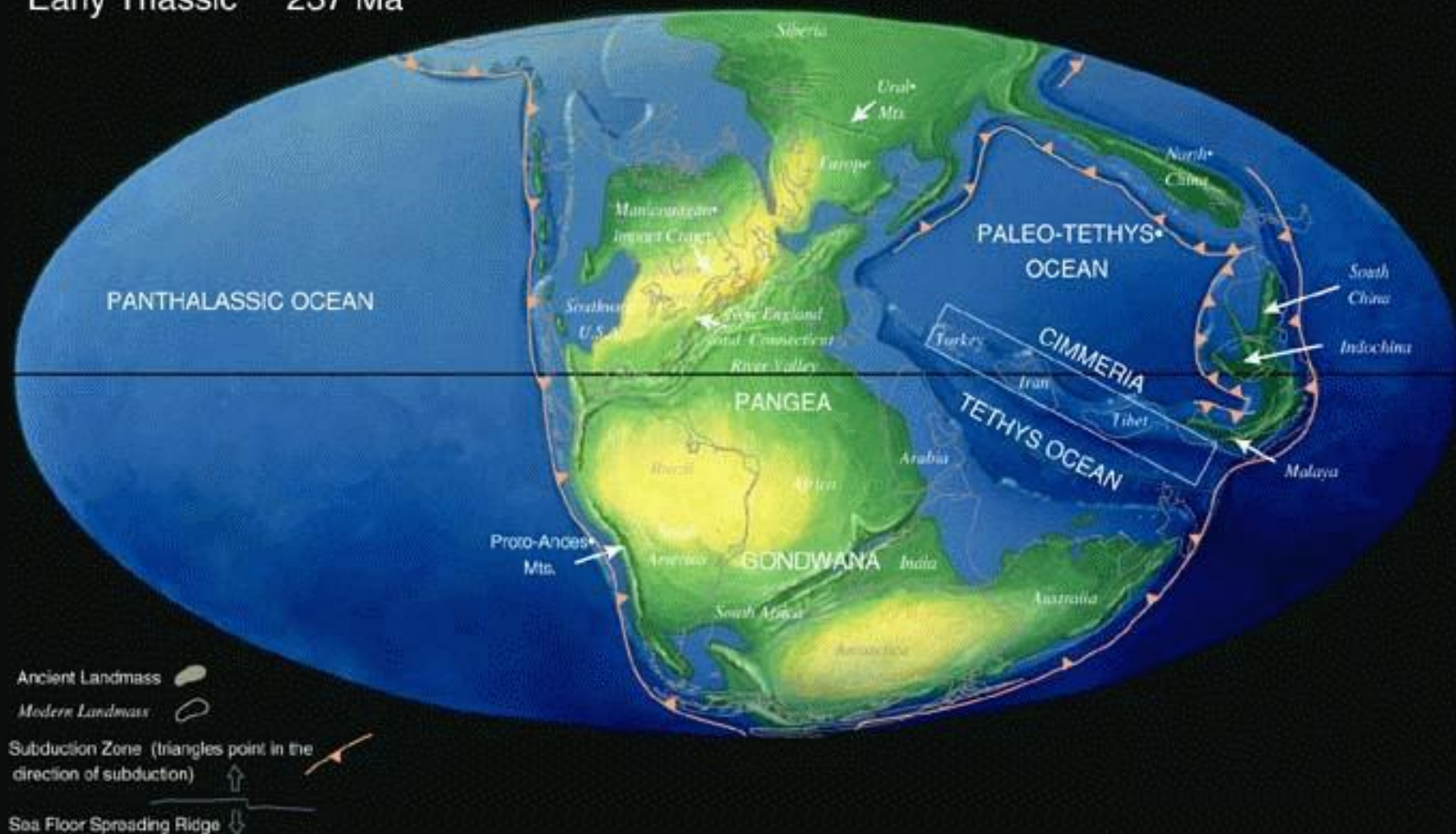
Τέλη Λιθανθρακοφόρου Περιόδου

Late Permian 255 Ma



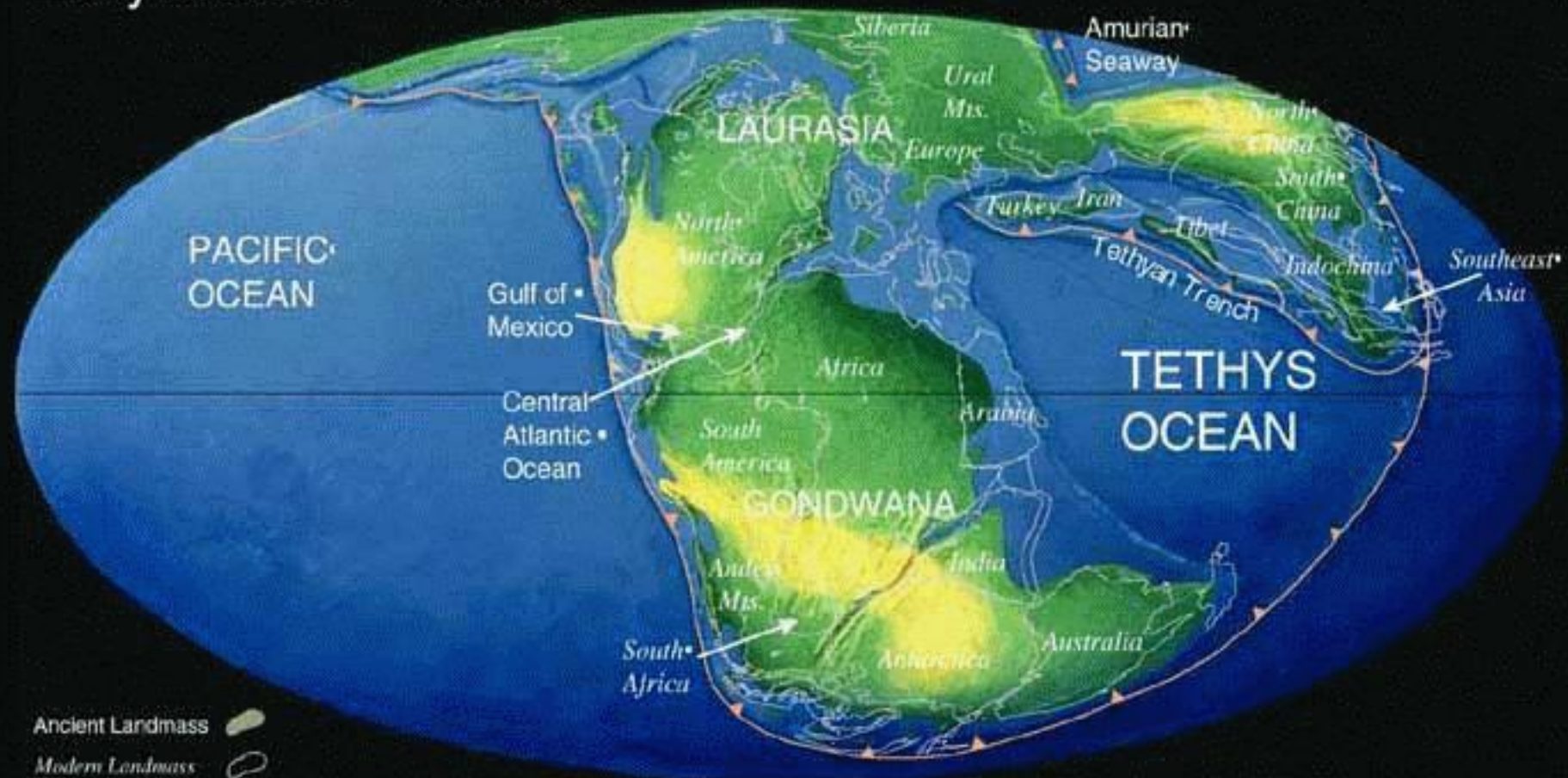
Τέλη Περμίου Περίοδου

Early Triassic 237 Ma



Αρχές Τριασίου Περιόδου

Early Jurassic 195 Ma



Ancient Landmass

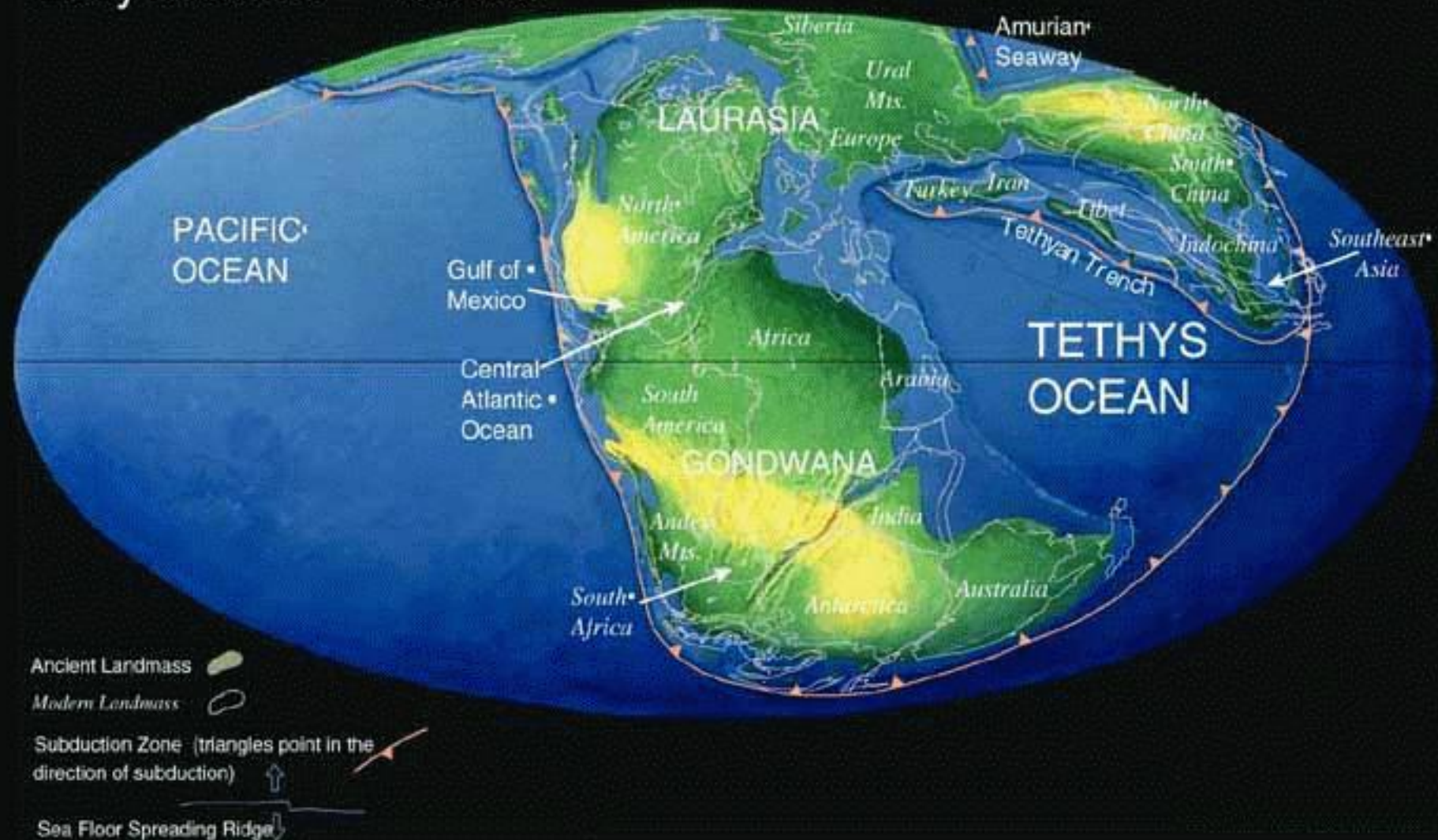
Modern Landmass

Subduction Zone (triangles point in the direction of subduction)

Sea Floor Spreading Ridge

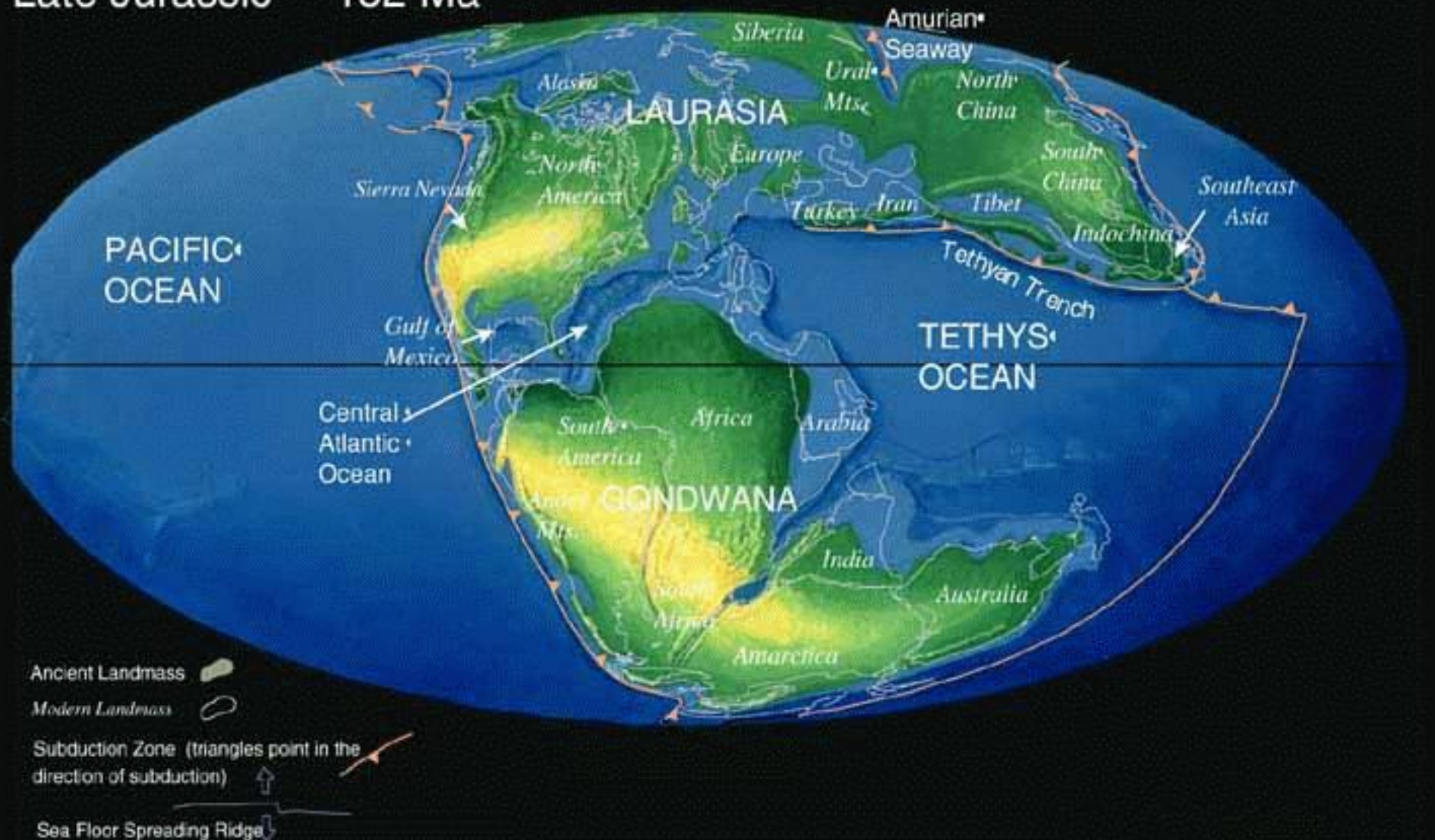
Αργές Ιουρασίου Περίοδου

Early Jurassic 195 Ma



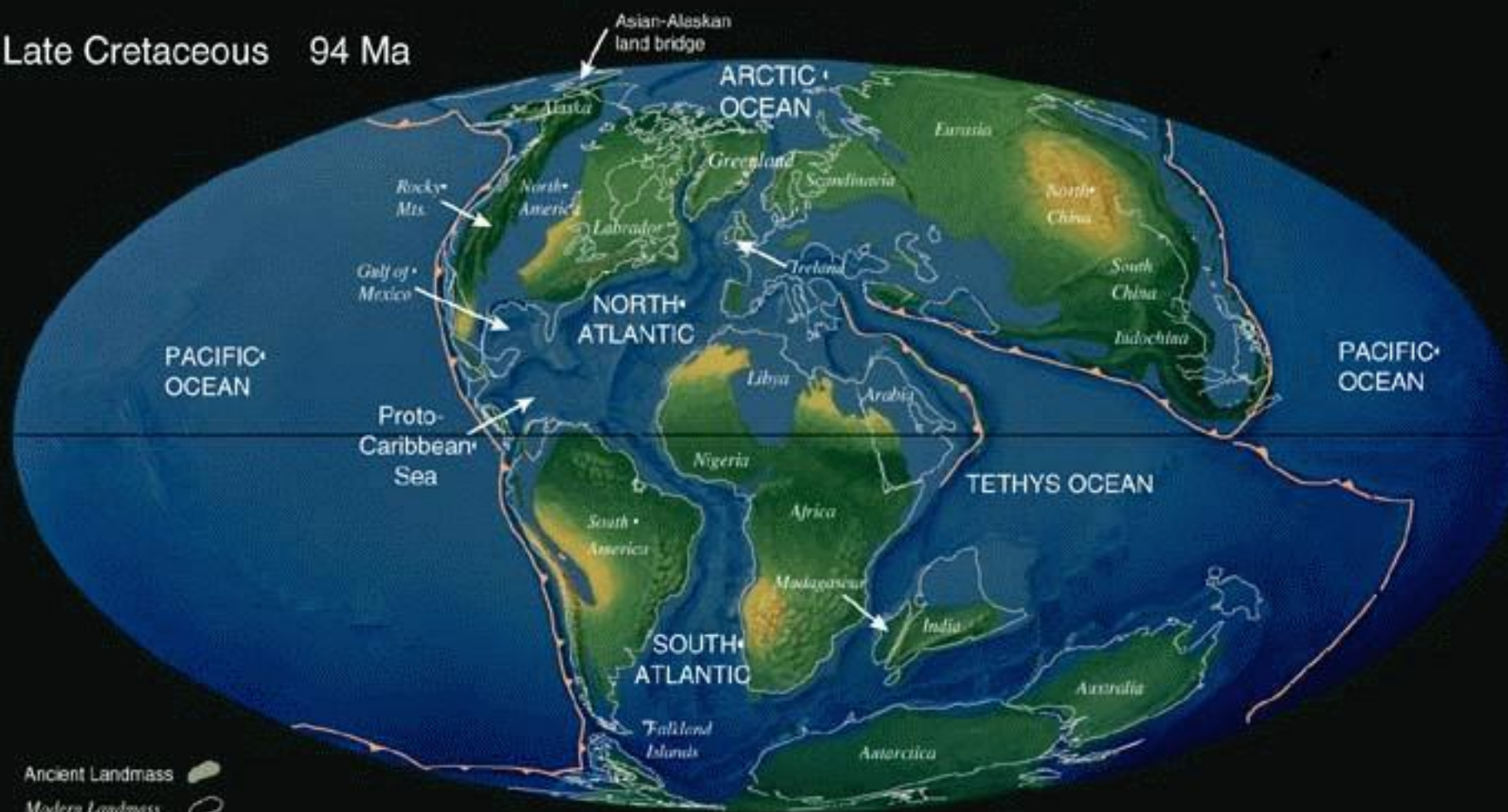
Αρχές Ιουρασίου Περιόδου

Late Jurassic 152 Ma



Τέλη Ιουρασίου Περιόδου

Late Cretaceous 94 Ma



Ancient Landmass

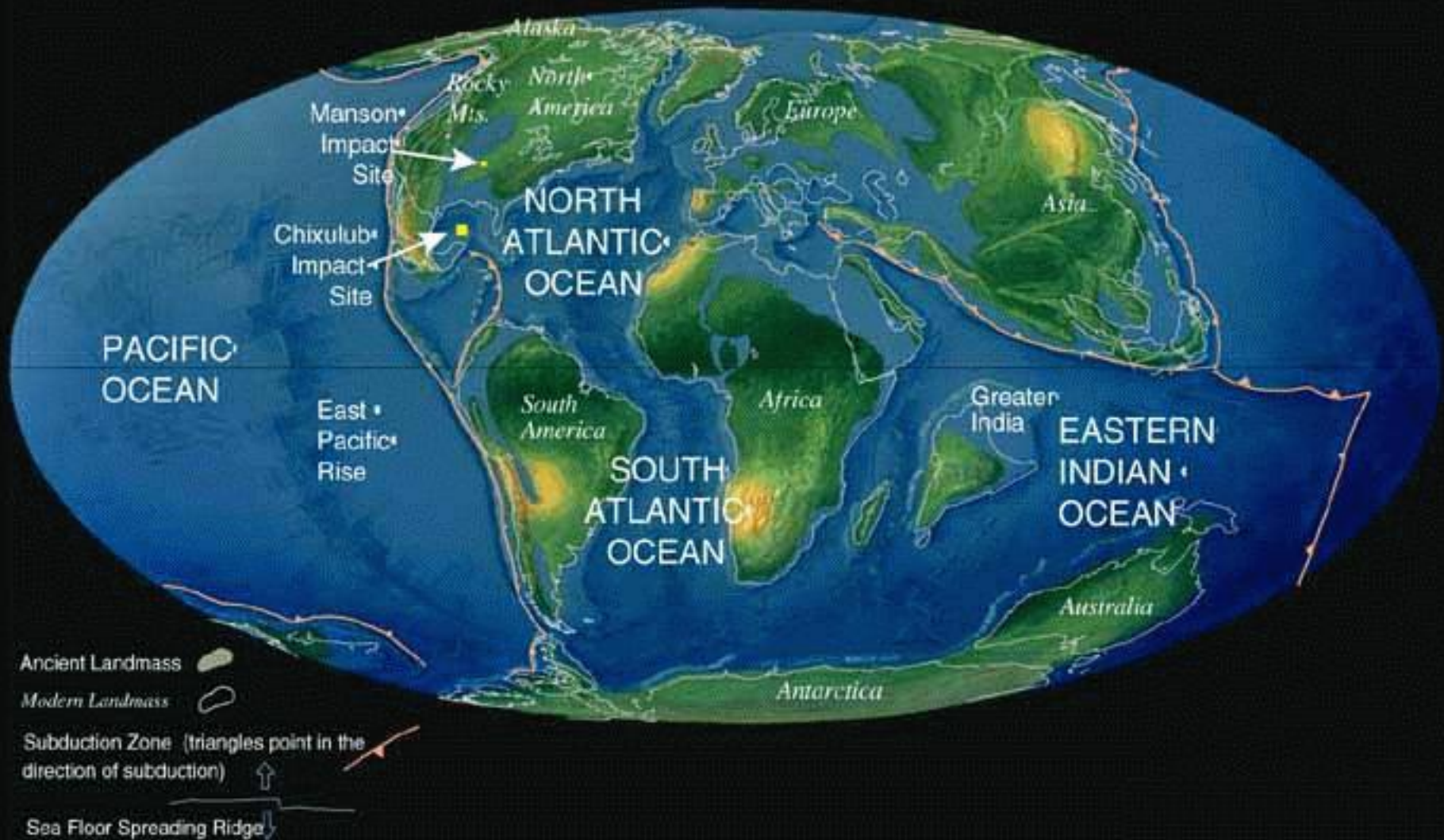
Modern Landmass

Subduction Zone (triangles point in the direction of subduction)

Sea Floor Spreading Ridge

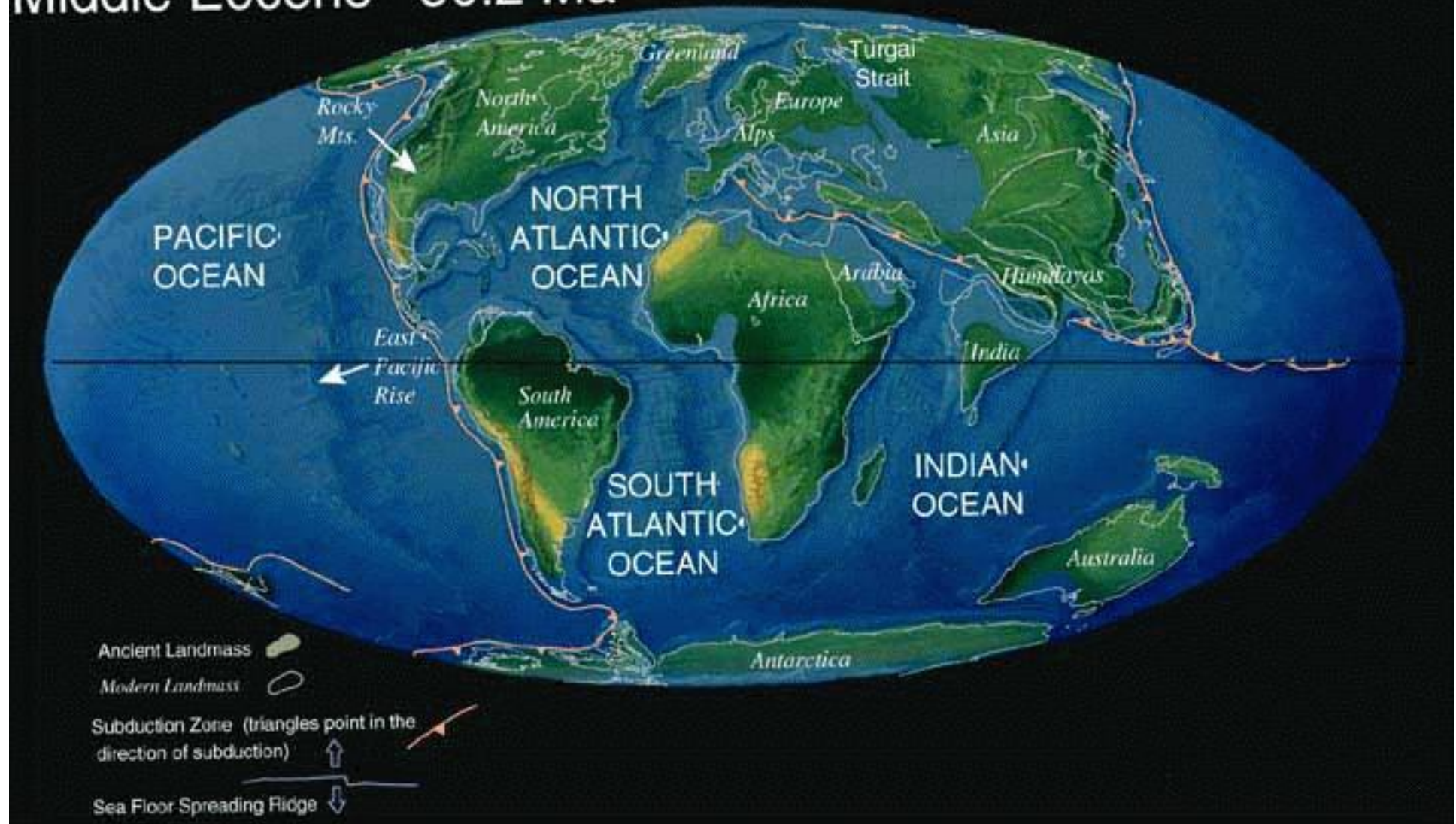
Τέλη Κρητιδικής Περιόδου

Latest Cretaceous 69.4 Ma



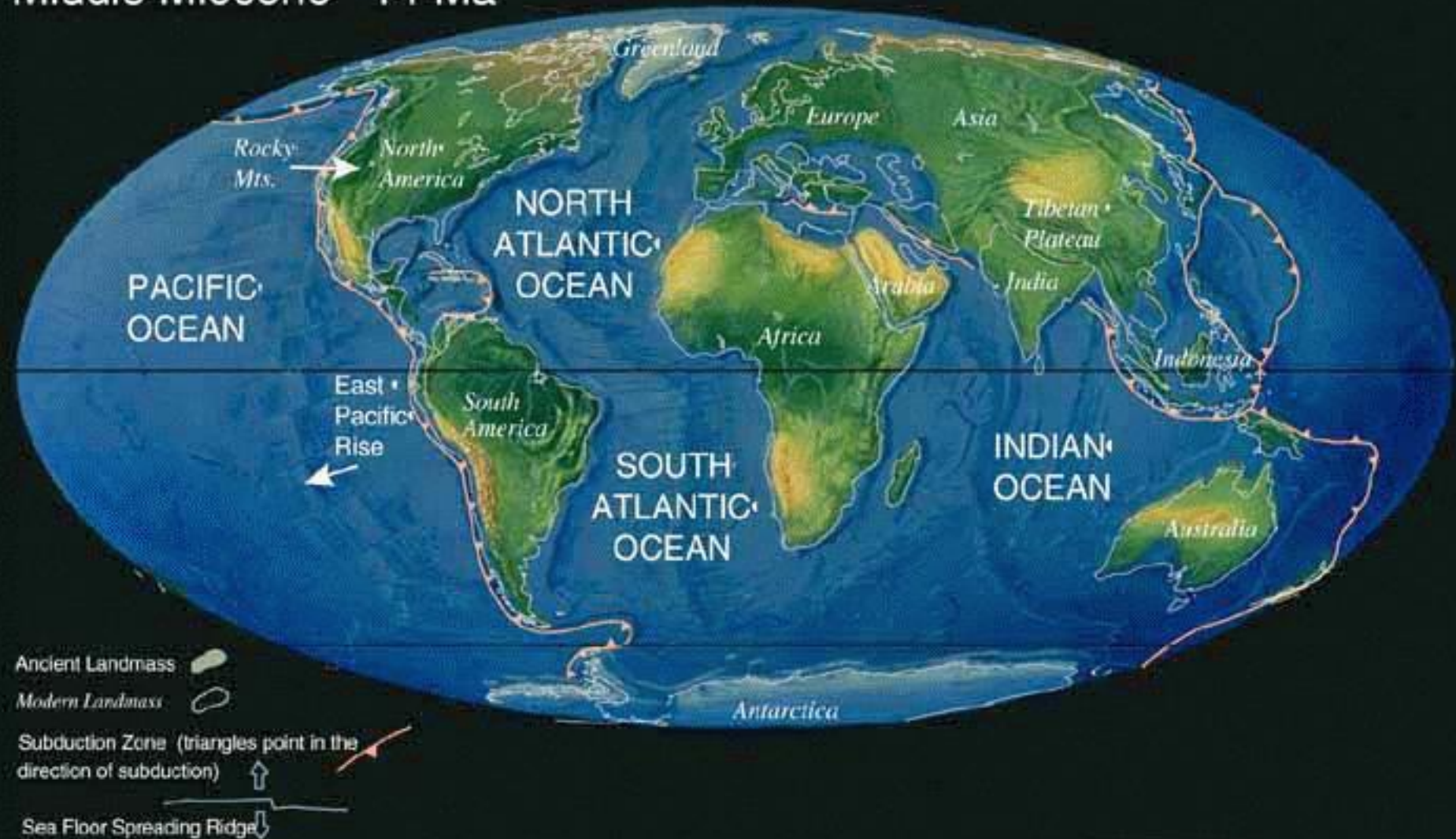
Τέλη Κρητιδικής Περιόδου

Middle Eocene 50.2 Ma



Αρχές Καινοζωικού Αιώνας

Middle Miocene 14 Ma



Μέσα Μειοκαίνου Περιόδου

Pleistocene 18,000 years ago



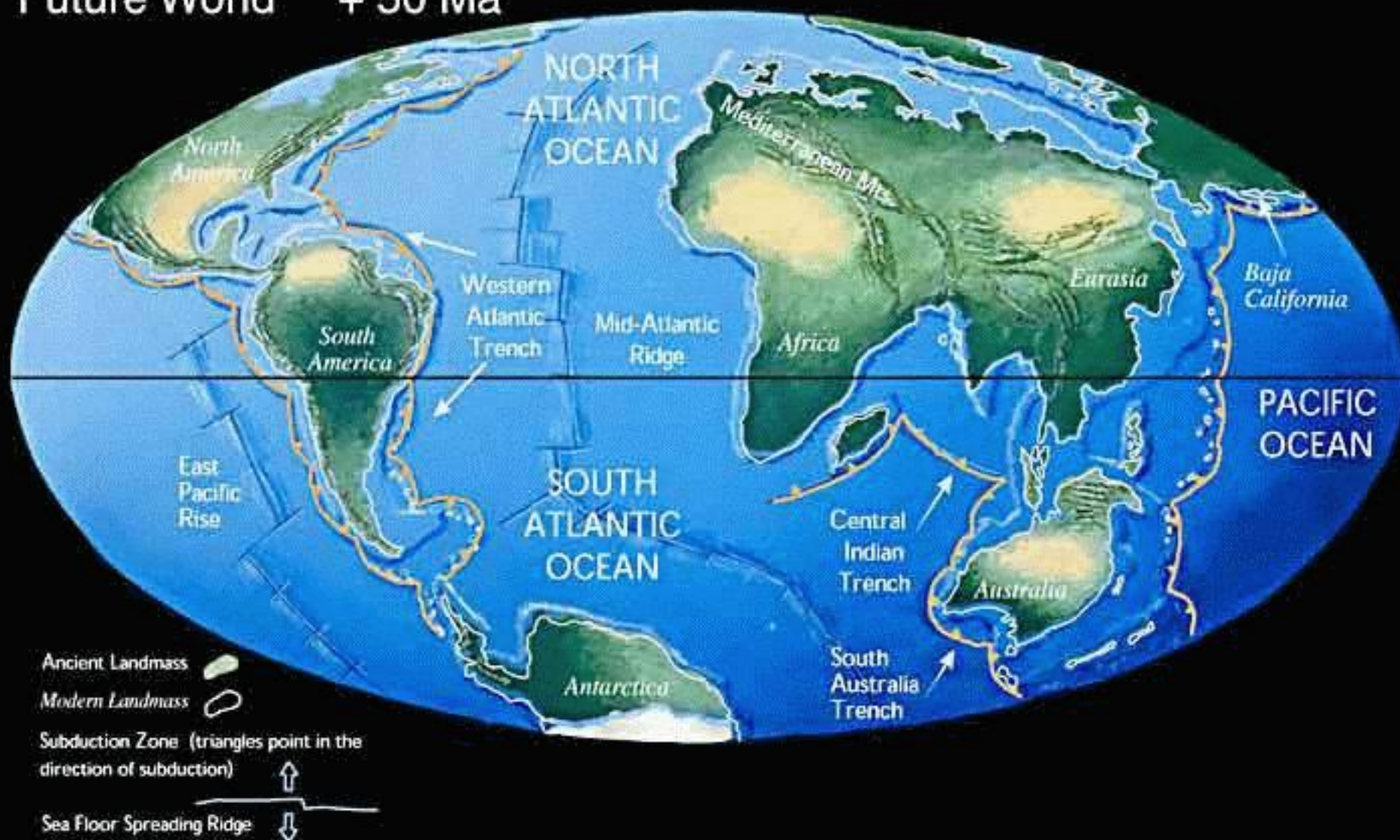
Πλειστόκαινος, πριν από 18.000 χρόνια

Modern World



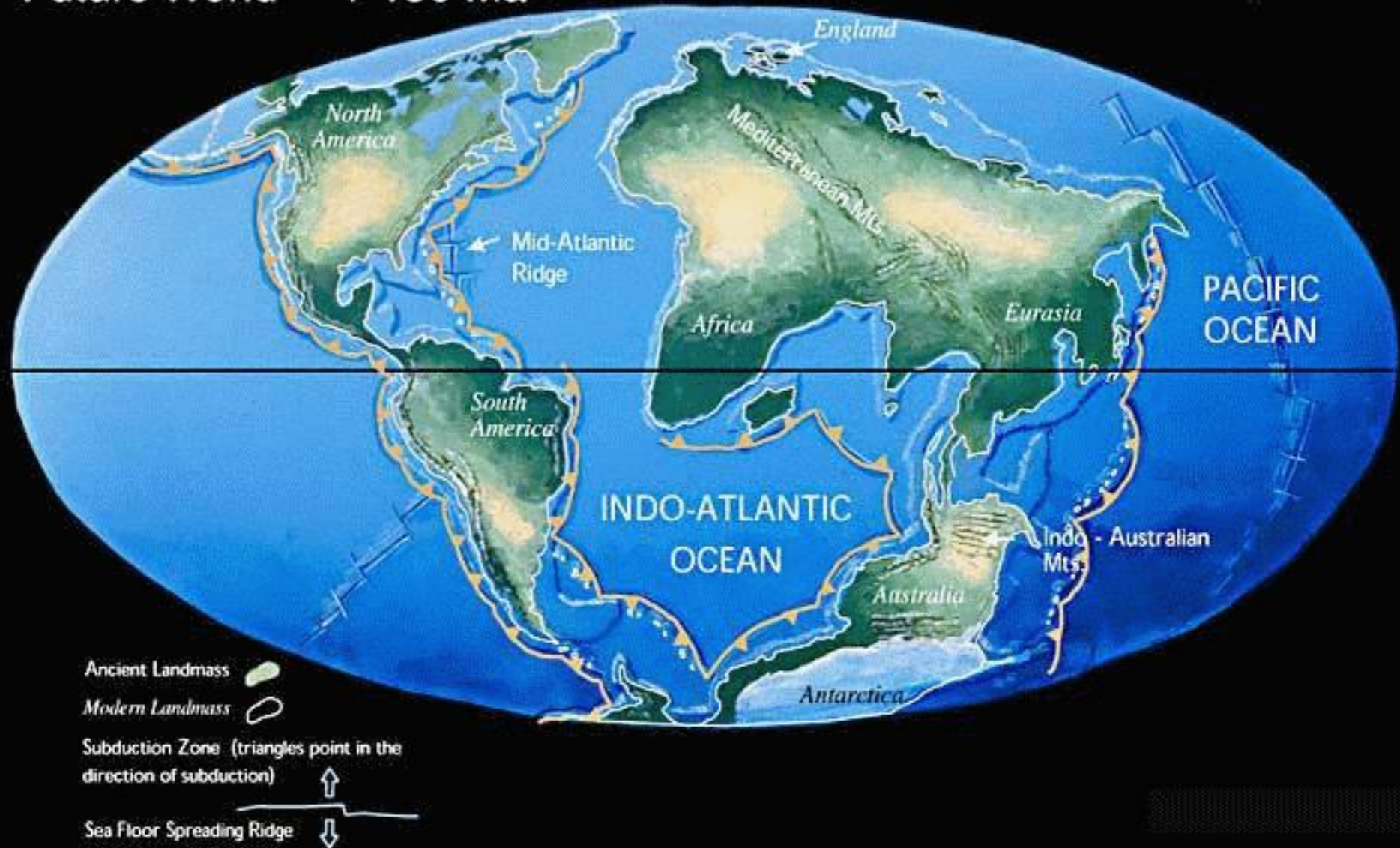
Ο Σύγχρονος Κόσμος

Future World + 50 Ma



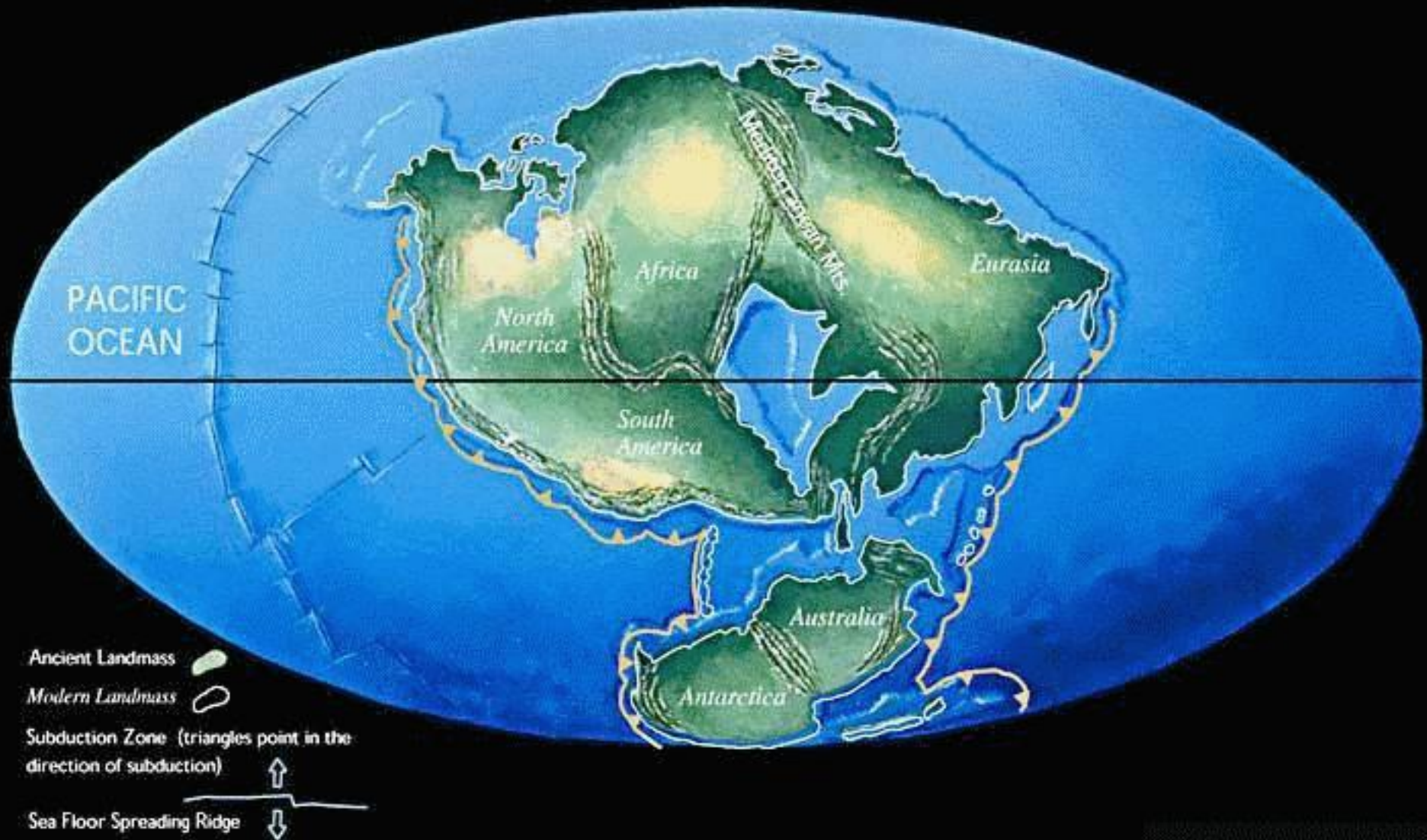
Ο Μελλοντικός Κόσμος μετά από 50 εκατομμύρια χρόνια.

Future World + 150 Ma



Ο Μελλοντικός Κόσμος μετά από 150 εκατομμύρια χρόνια

Future World + 250 Ma



Να μου το θυμηθείτε! Σε 250 εκατομμύρια χρόνια η Γεωγραφία που μάθατε θα είναι άχρηστη!

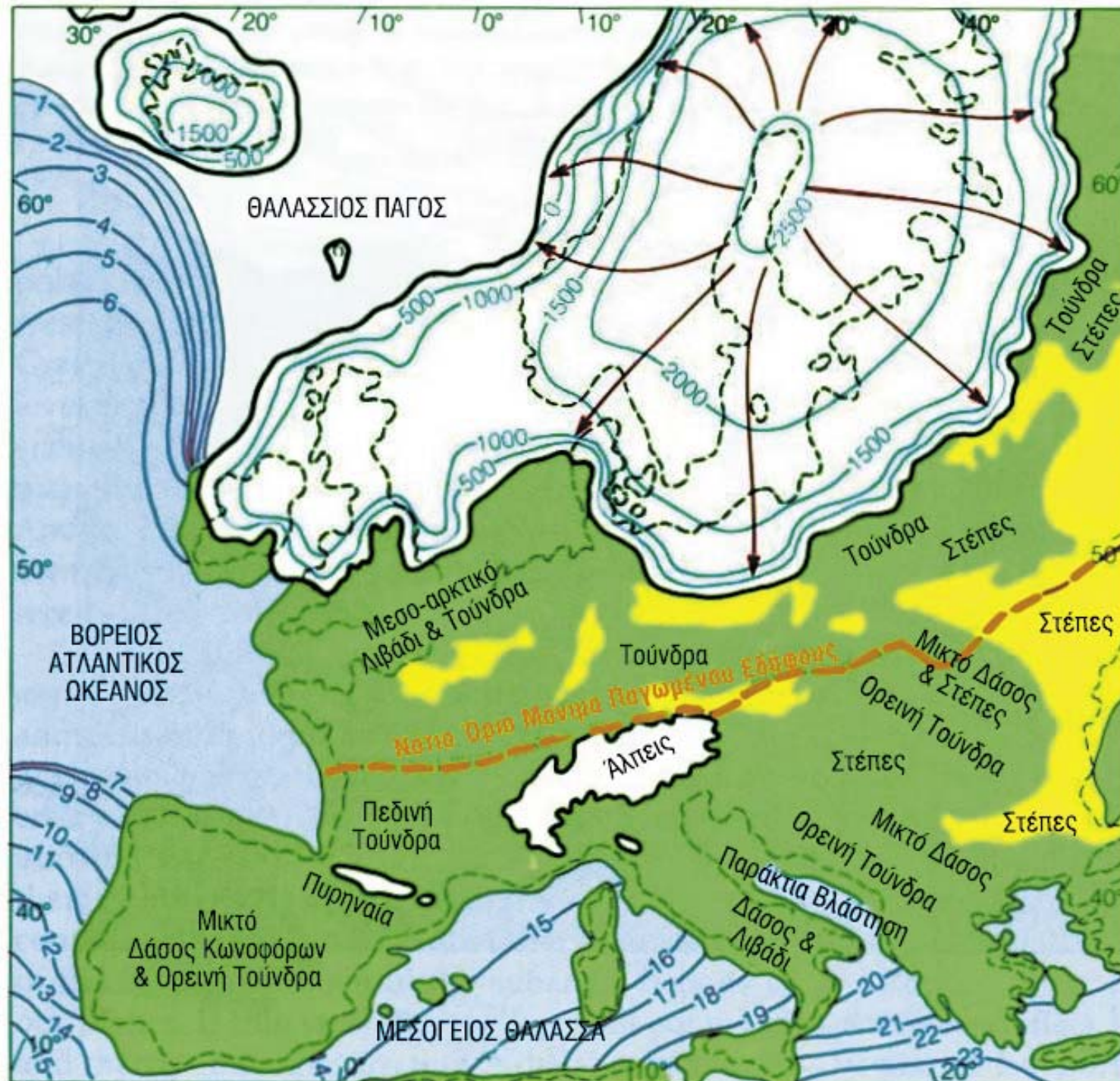
Παλαιογεωγραφική εξέλιξη Της ΕΥΡΩΠΗΣ τα τελευταία 20.000 έτη

Από:

Βαγγέλη Μαρκατσέλη, Γεωλόγο, Υπεύθυνο ΚΠΕ Στυλίδας
Παναγιώτη Ψύχα, Φυσικό, Μουσικό σχολείο Πρόσυμνας
Παπαγεωργίου Μαρίνα, γεωλόγο, Αν.Υπεύθυνη ΚΠΕ Στυλίδας

Οι Μεταβολές της Στάθμης της θάλασσας
Από -150 μέτρα πριν 20000 έτη
έως 0 μέτρα σήμερα

ΠΡΙΝ 18.000 ΧΡΟΝΙΑ



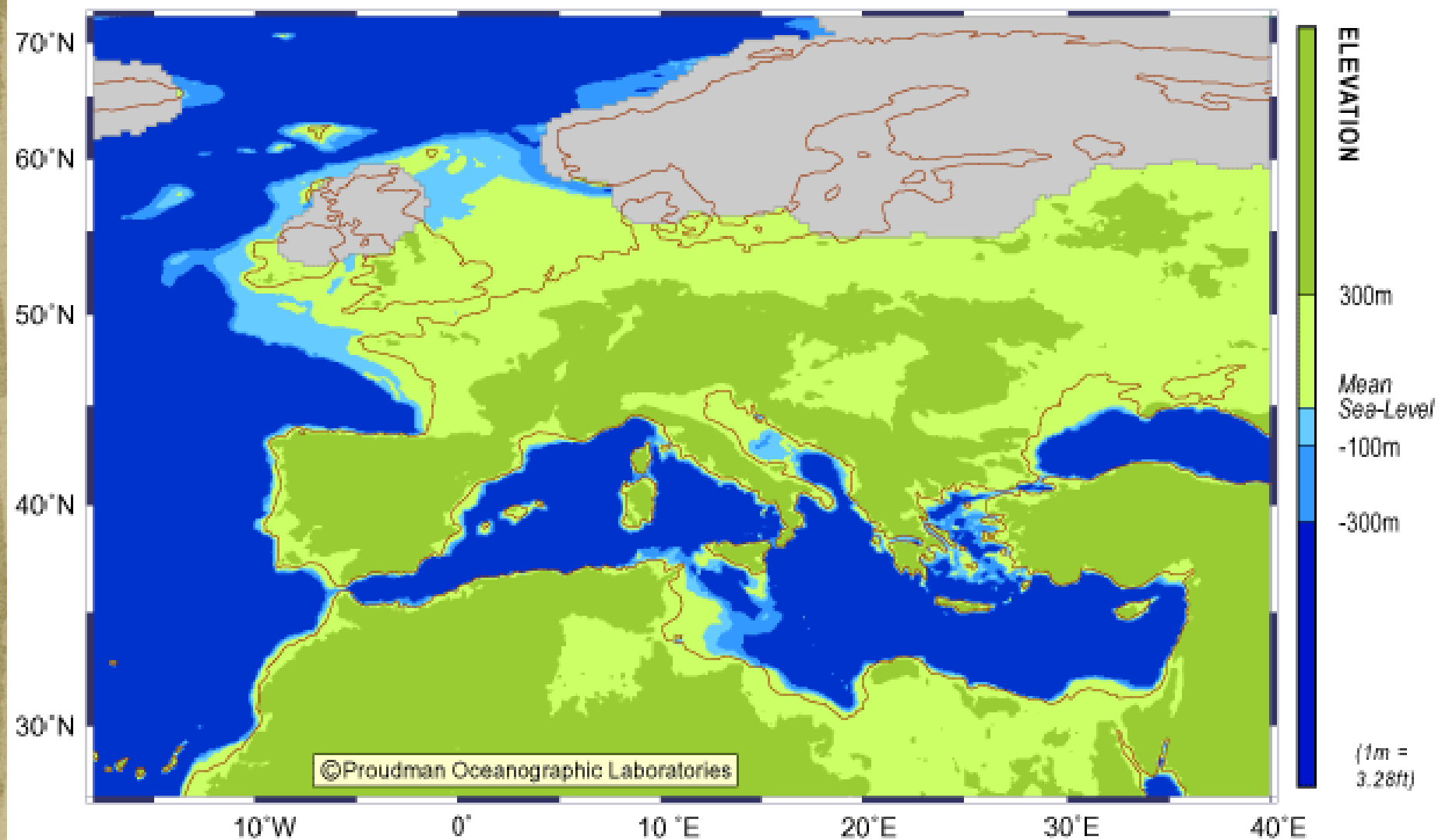
ΣΥΓΧΡΟΝΗ
ΑΚΤΟΓΡΑΜΜΗ

ΠΙΘΑΝΟ ΝΟΤΙΟ
ΟΡΙΟ ΜΟΝΙΜΑ
ΠΑΓΩΜΕΝΟΥ ΕΔΑΦΟΥΣ

ΘΕΡΜΟΚΡΑΣΙΑ
ΕΠΙΦΑΝΕΙΑΣ
ΘΑΛΑΣΣΗΣ
ΤΟΝ ΑΥΓΟΥΣΤΟ (°C)

ΟΡΙΟ ΠΑΓΕΤΩΝΑ &
ΥΨΟΜΕΤΡΟ (ΠΑΧΟΣ)
ΠΑΓΕΤΩΝΑ (m)

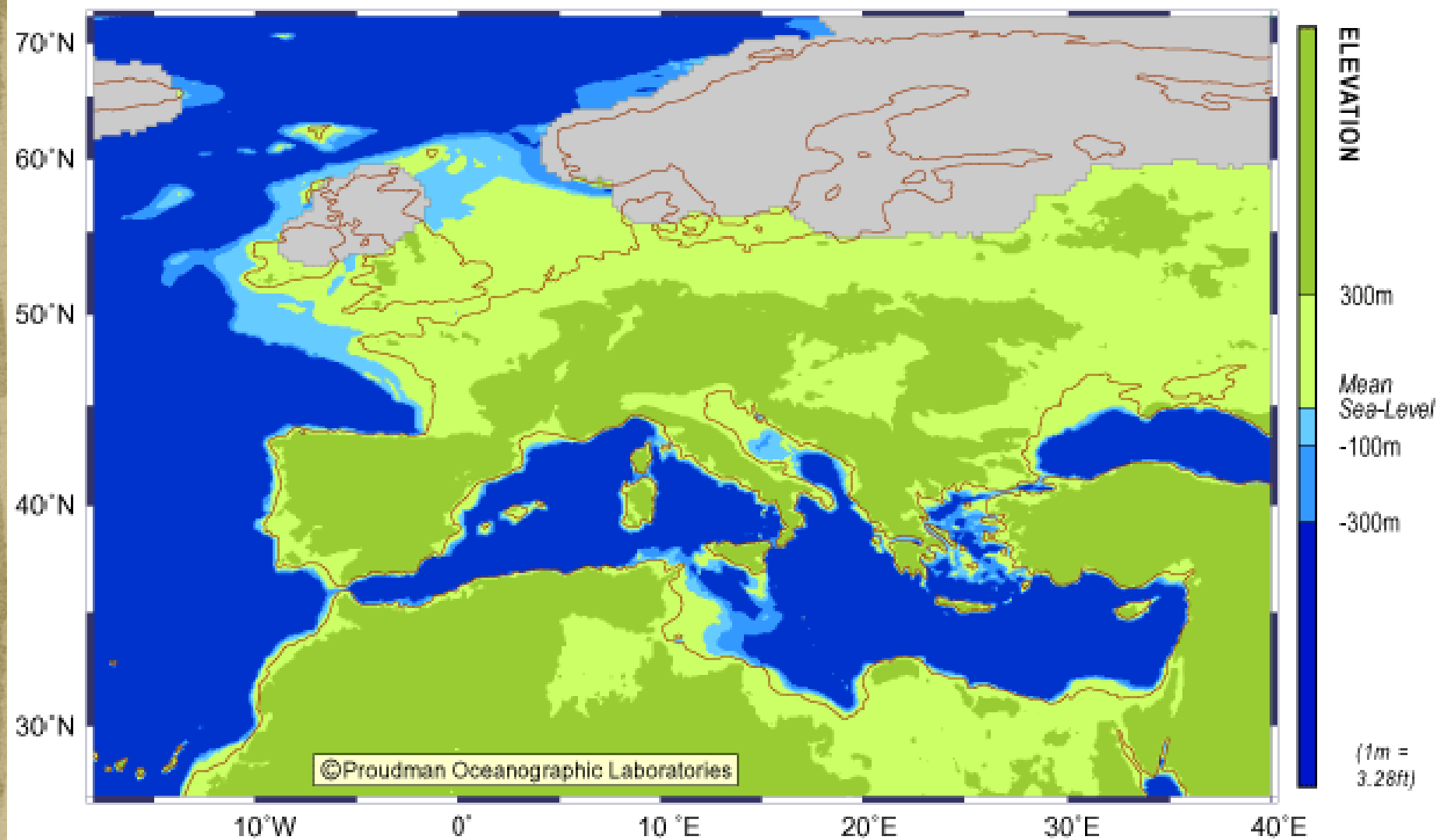
ΕΔΑΦΙΚΕΣ ΑΠΟΘΕΣΕΙΣ
ΑΣΒΕΣΤΟΥΧΟΥ ΠΗΛΟΥ



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

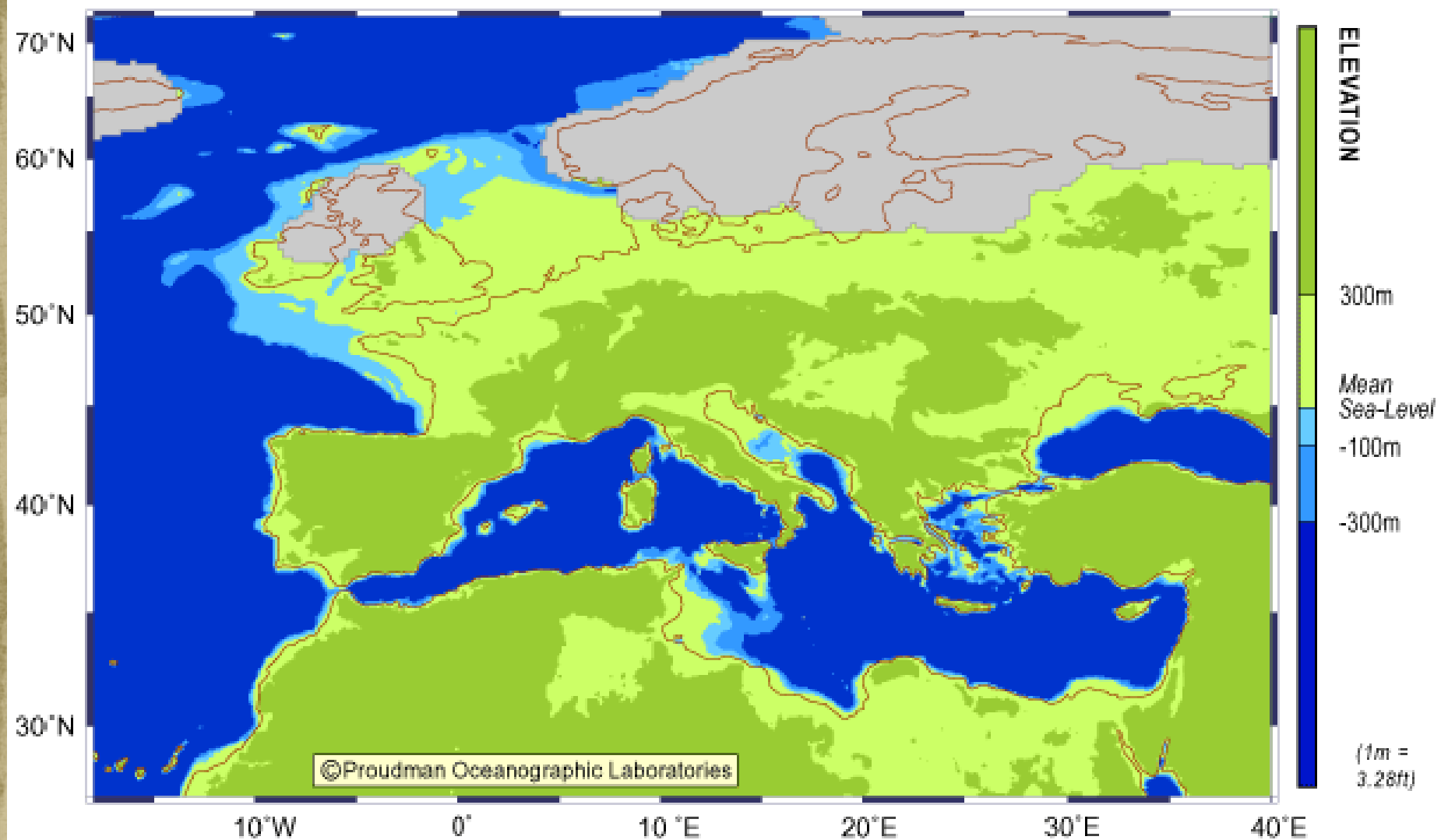
Grounded ice

PRIN 19.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1:30 000 000

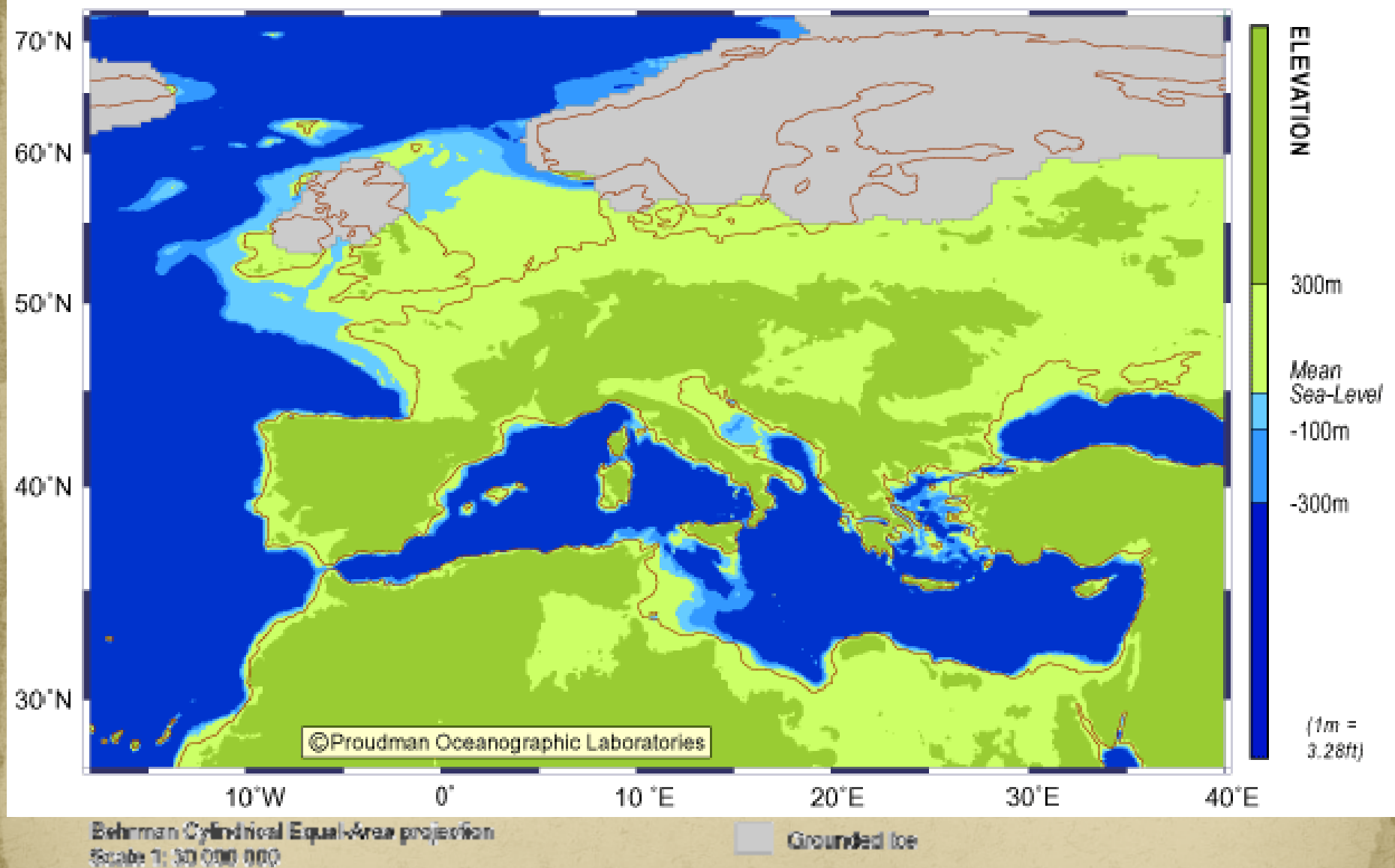
PRIN 18.000 ETH



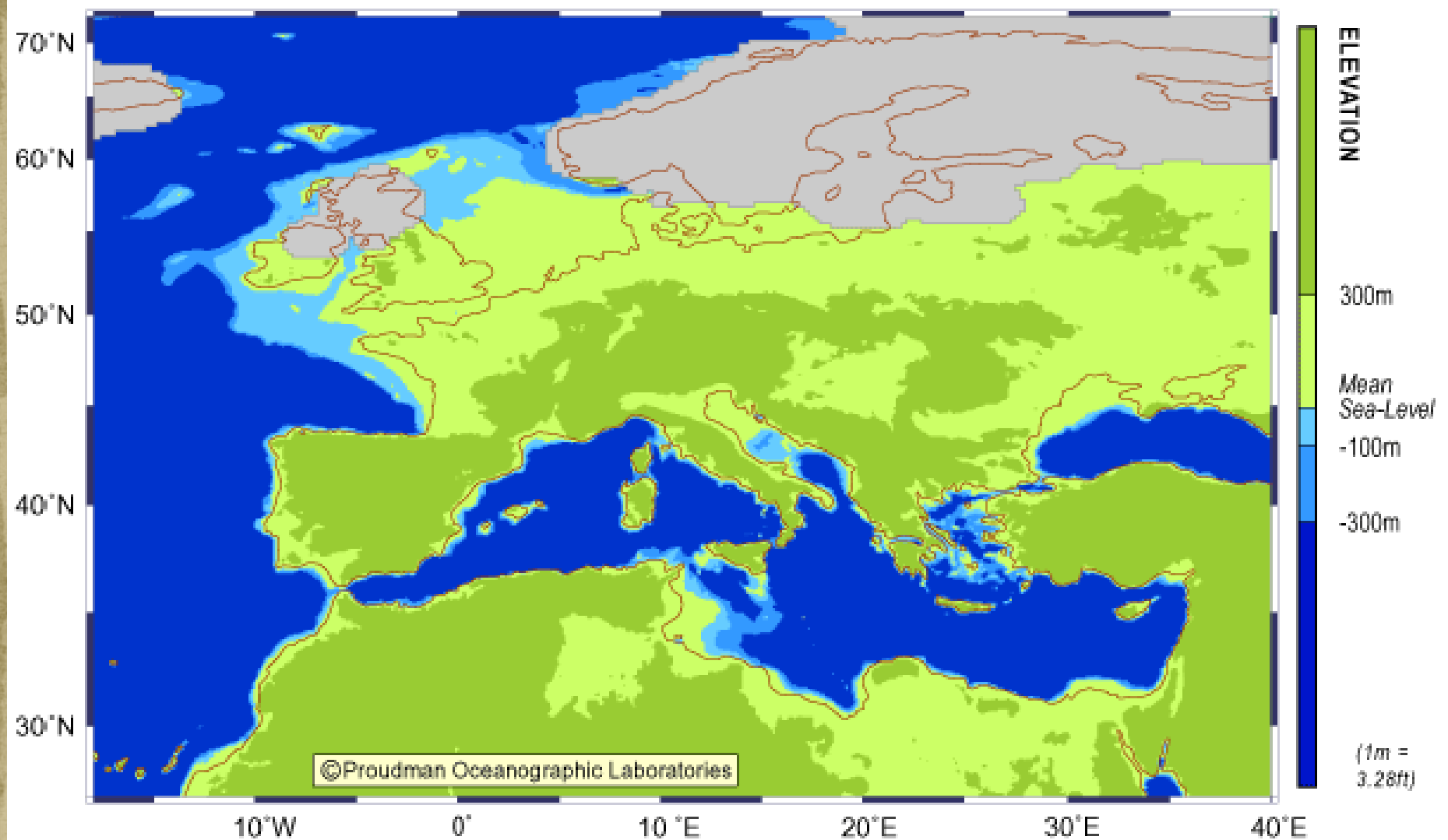
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

Grounded ice

PRIN 17.000 ETH



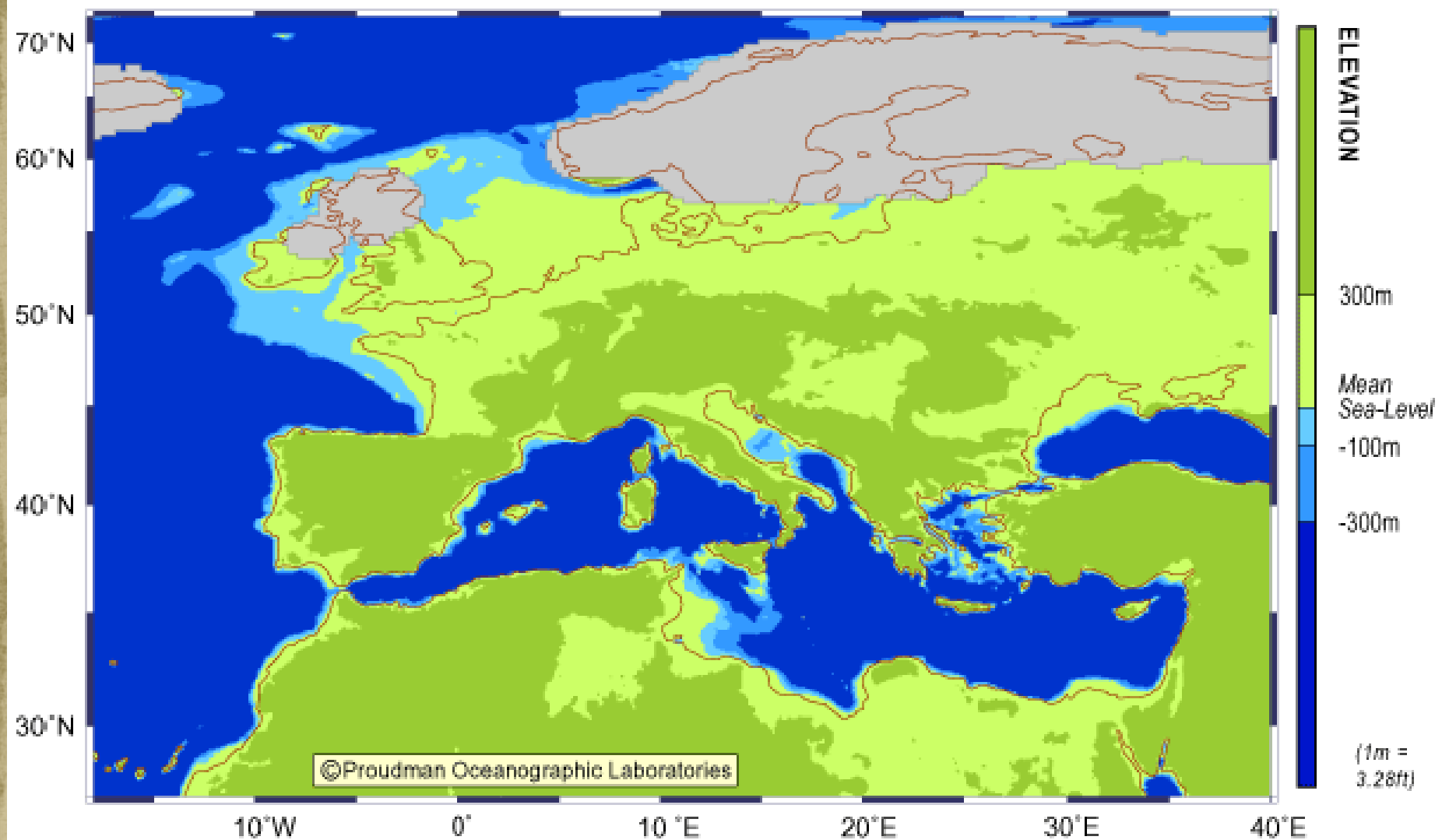
PRIN 16.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

Grounded ice

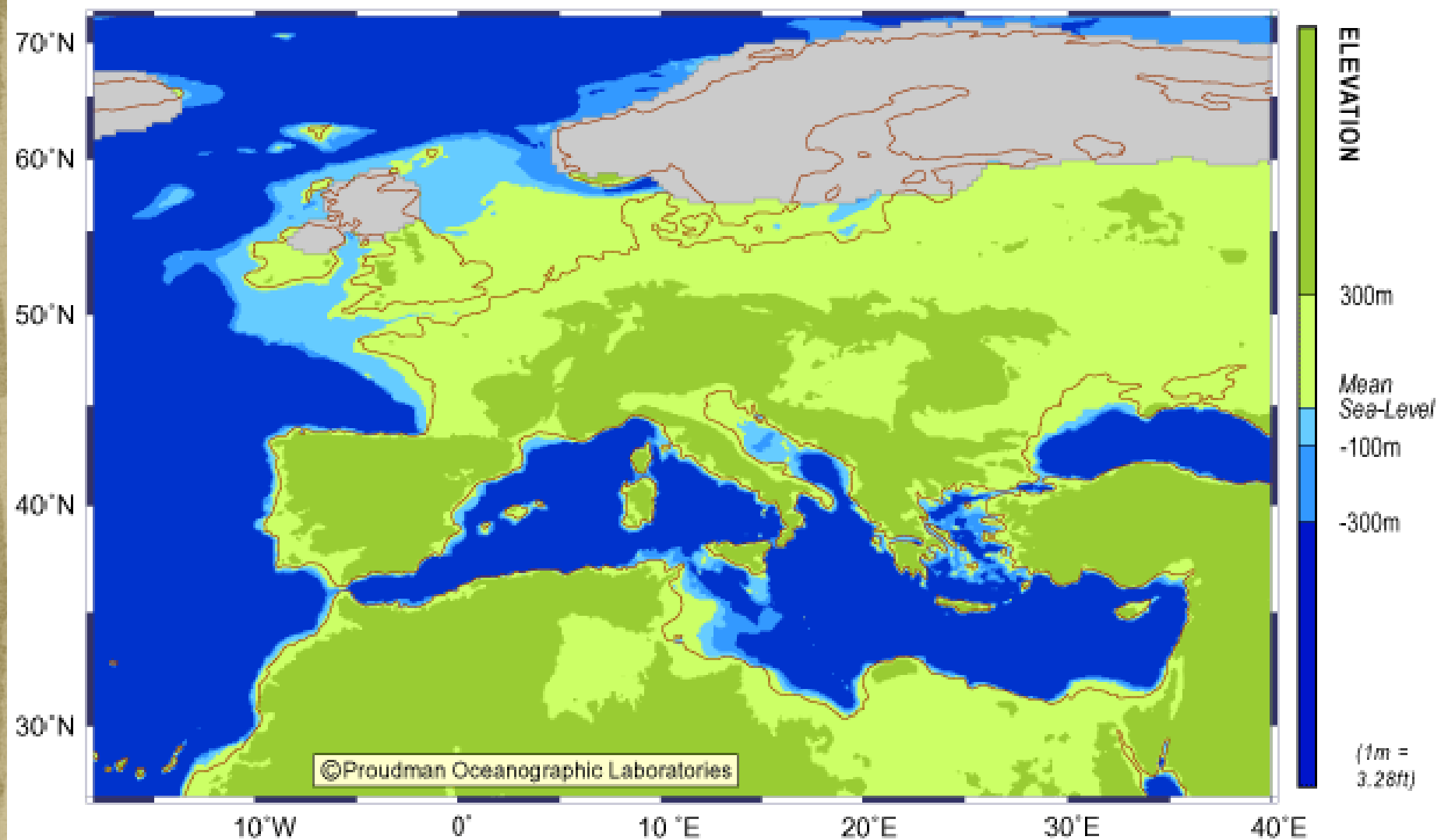
PRIN 15.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

Grounded ice

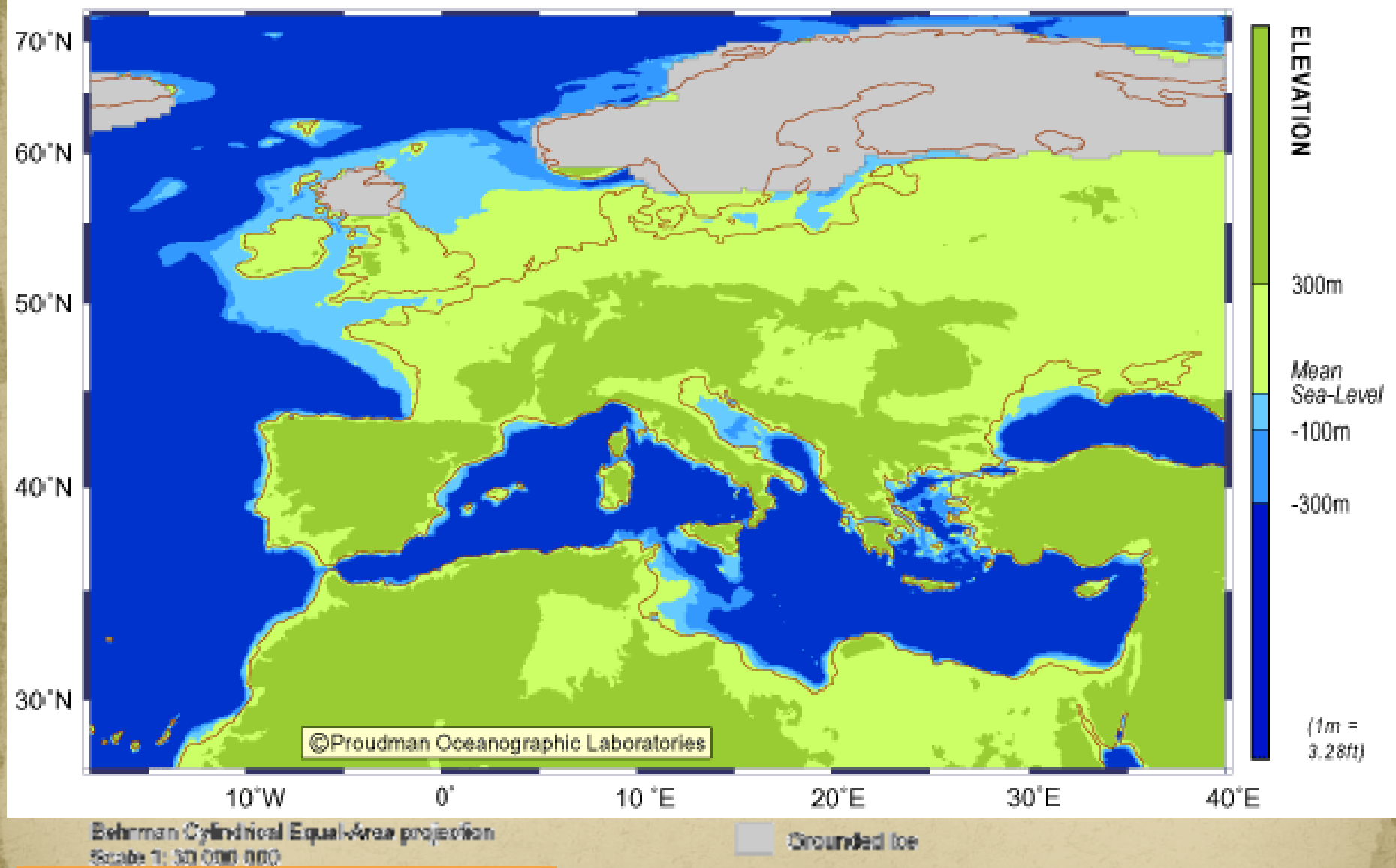
PRIN 14.000 ETH



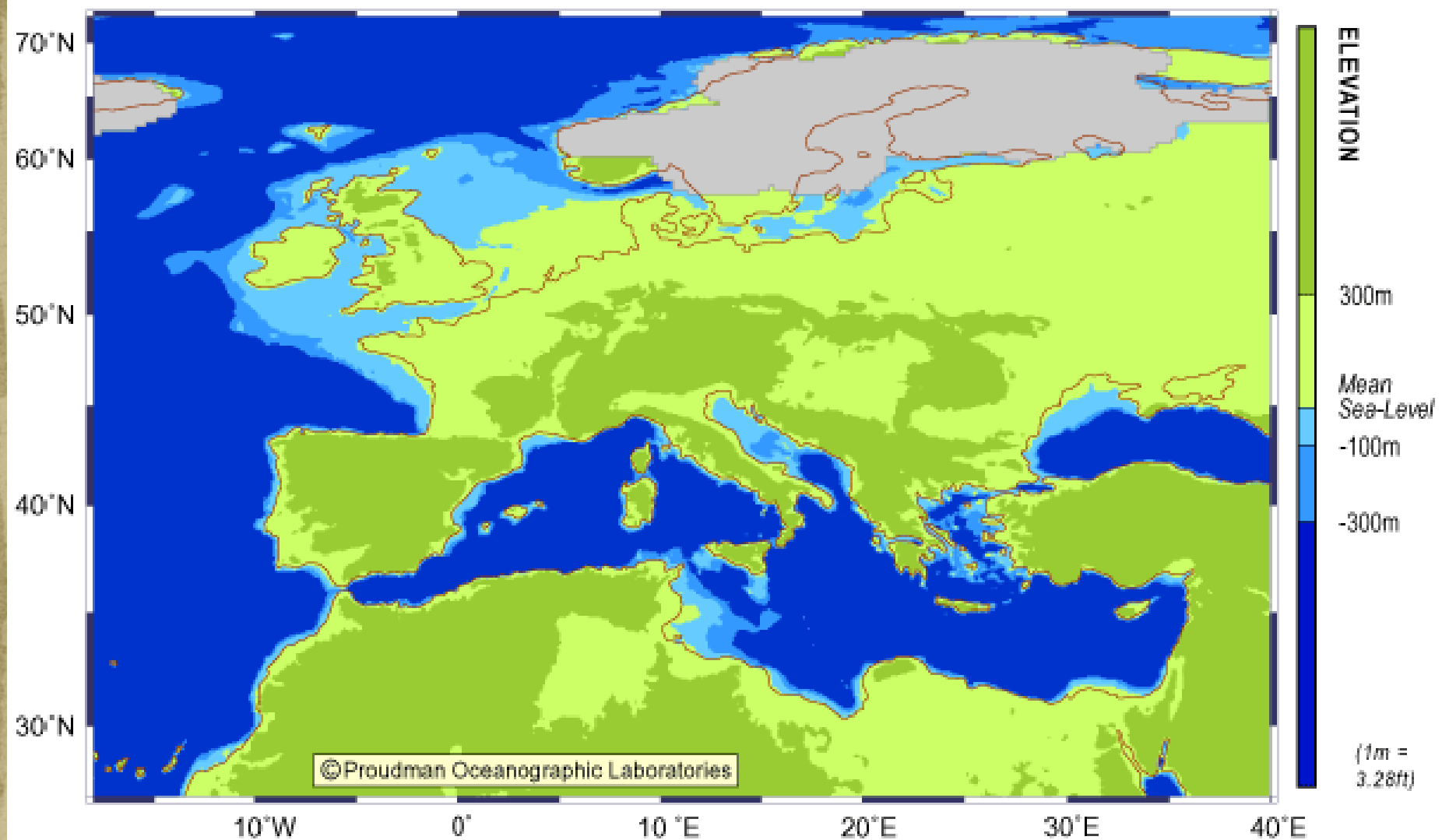
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

Grounded ice

PRIN 13.000 ETH

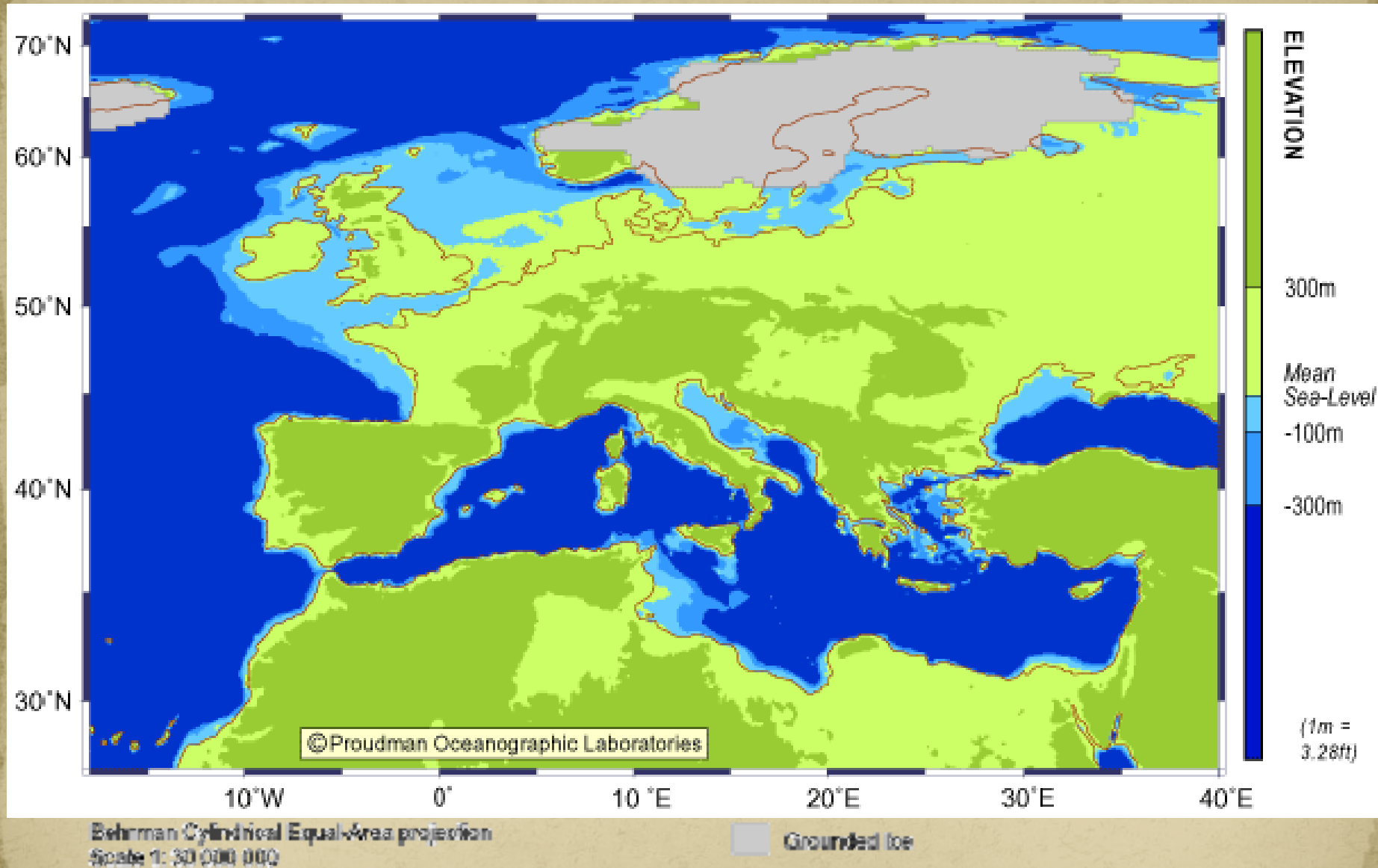


PRIN 12.000 ETH

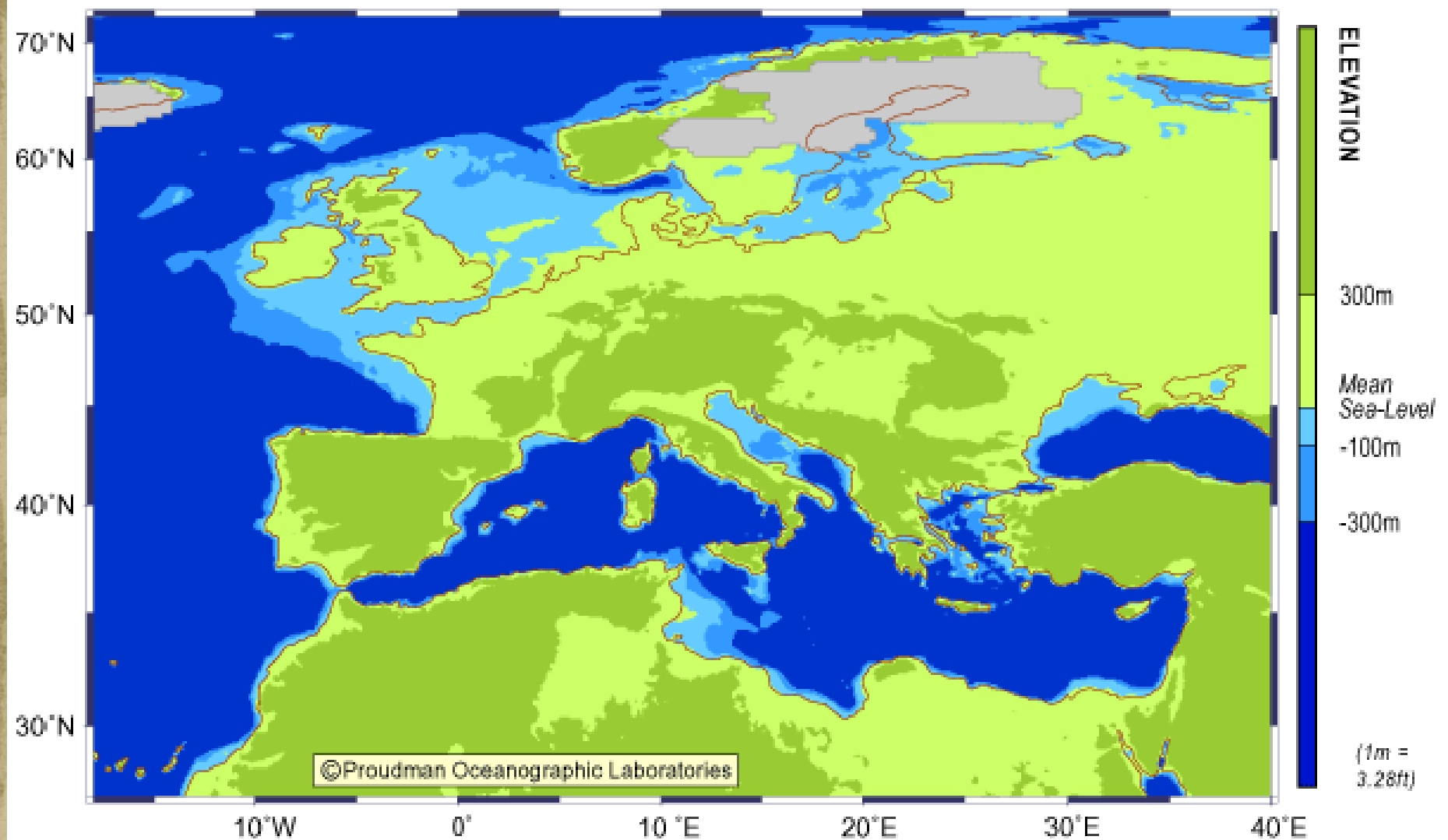


Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

PRIN 11.000 ETH

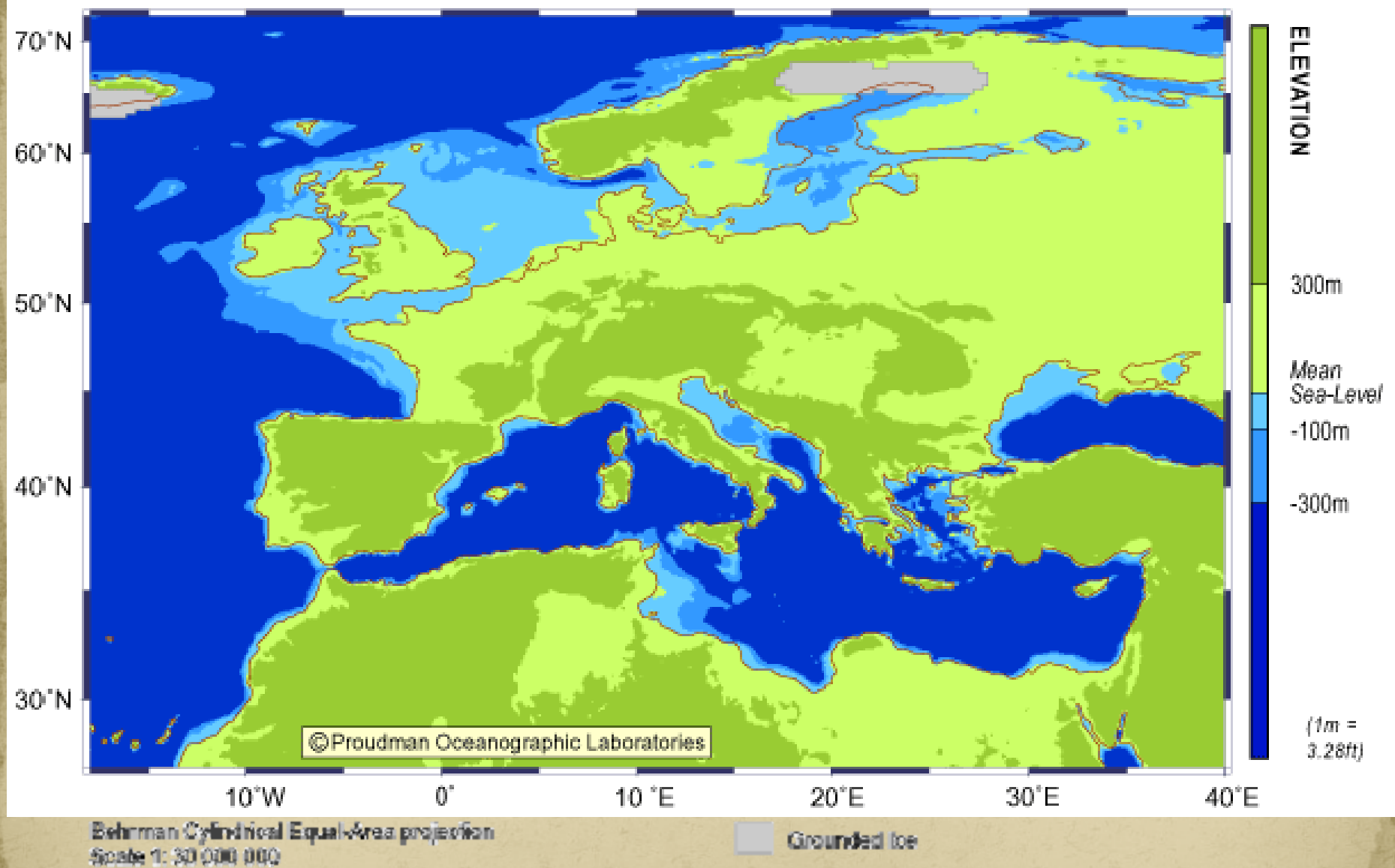


PRIN 10.000 ETH

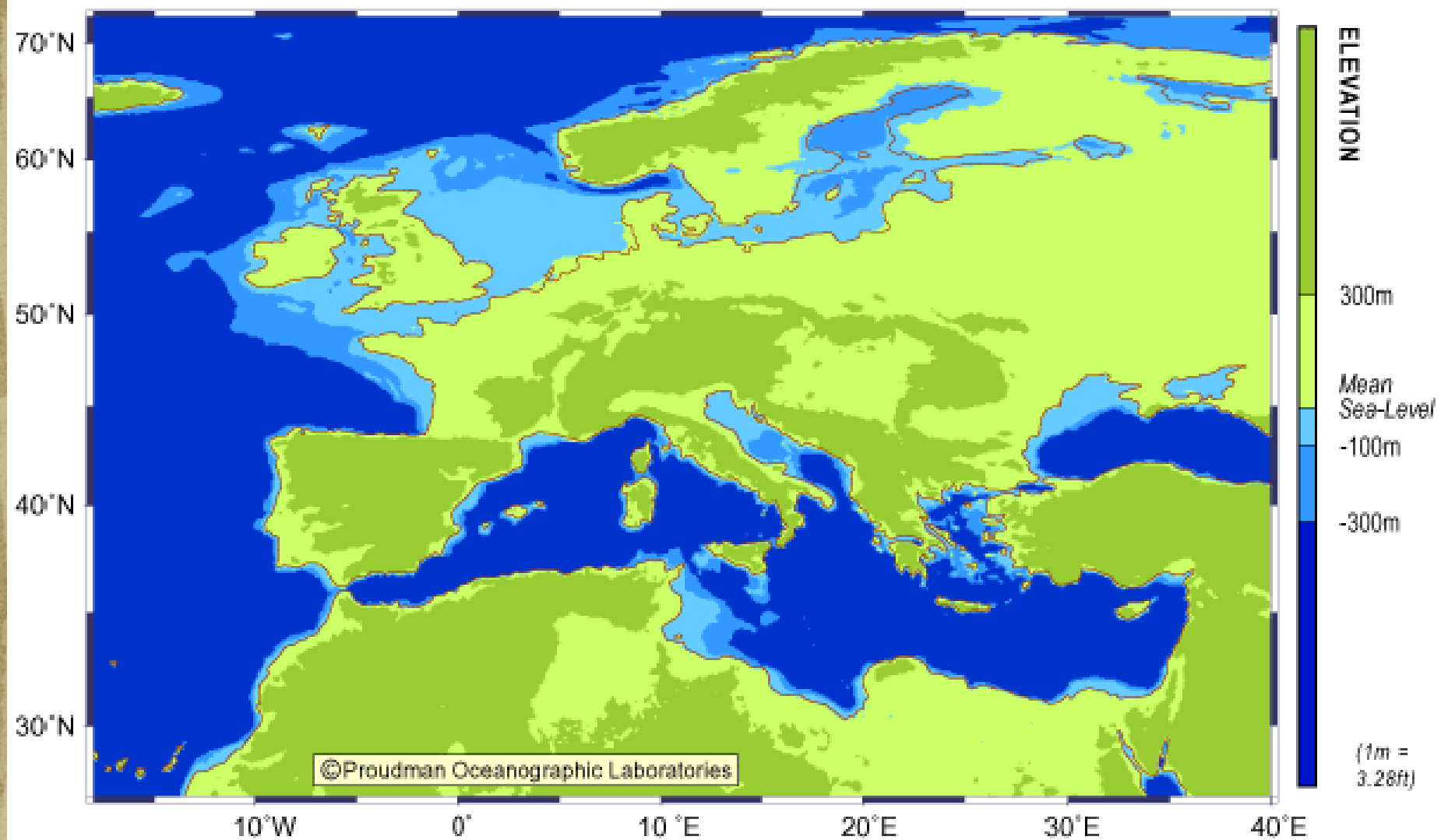


Bathymetric Cylindrical Equal-Area projection
Scale 1: 30 000 000

PRIN 9.000 ETH

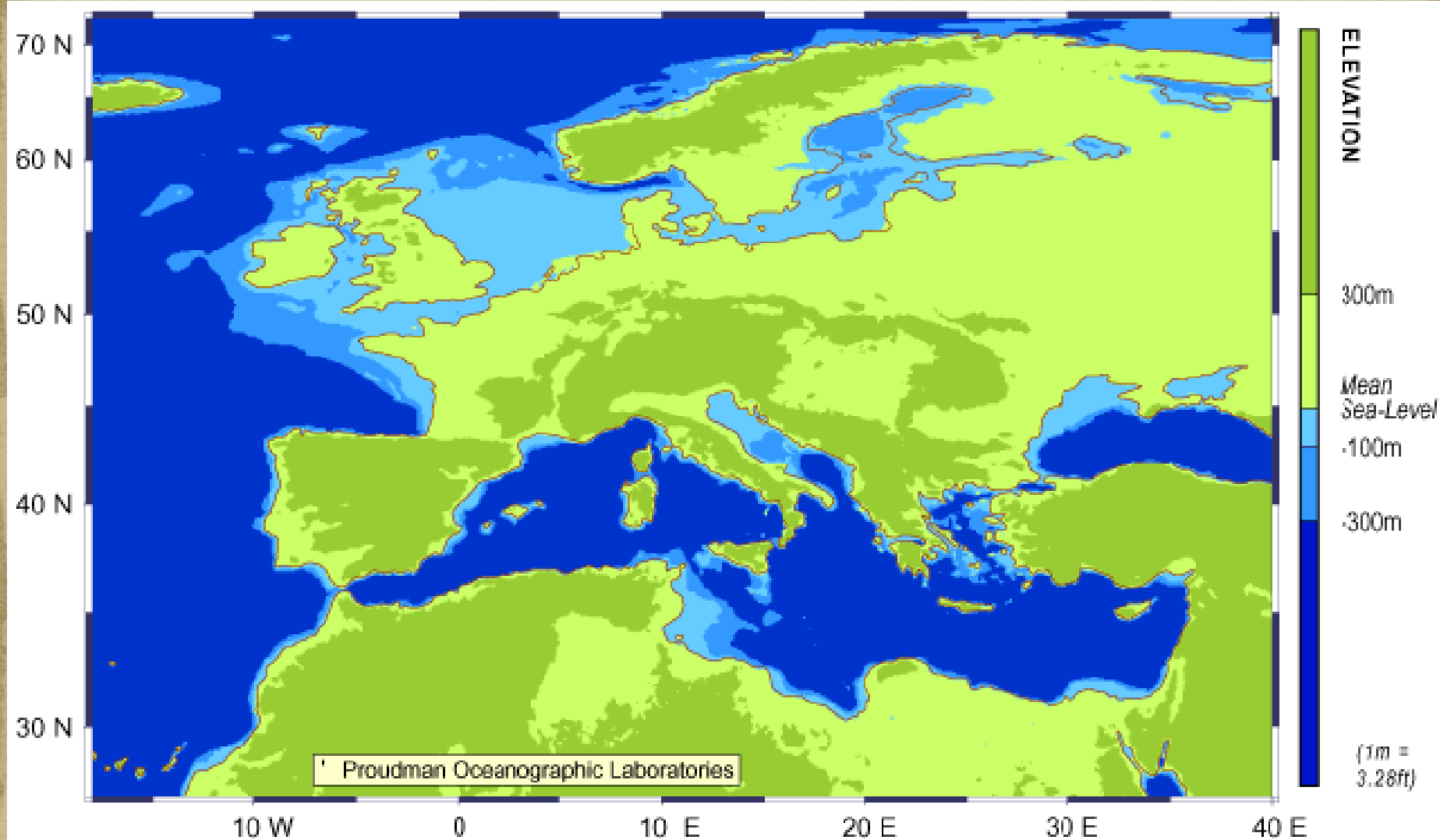


PRIN 8.000 ETH



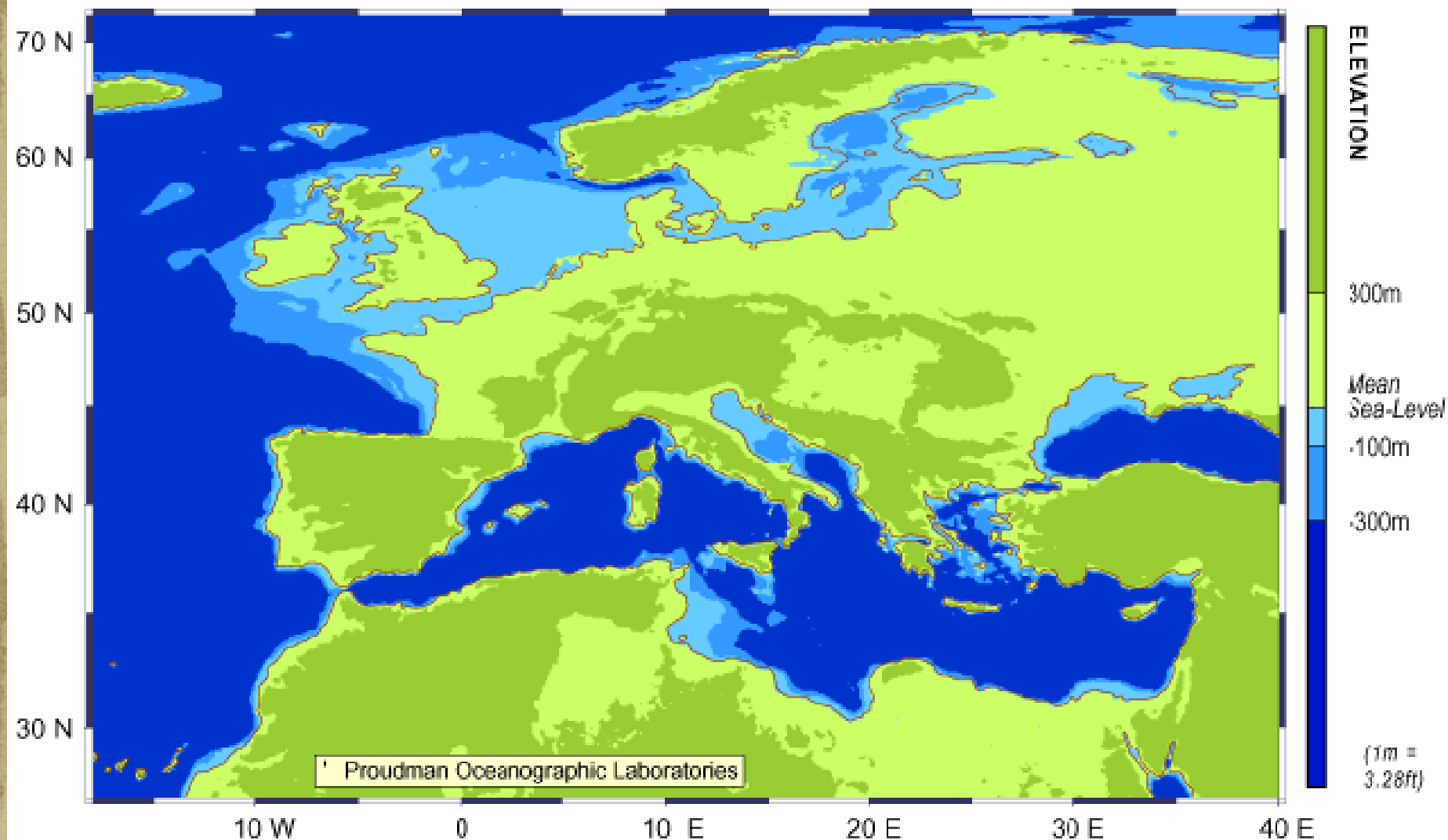
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 7.000 ΕΤΗ



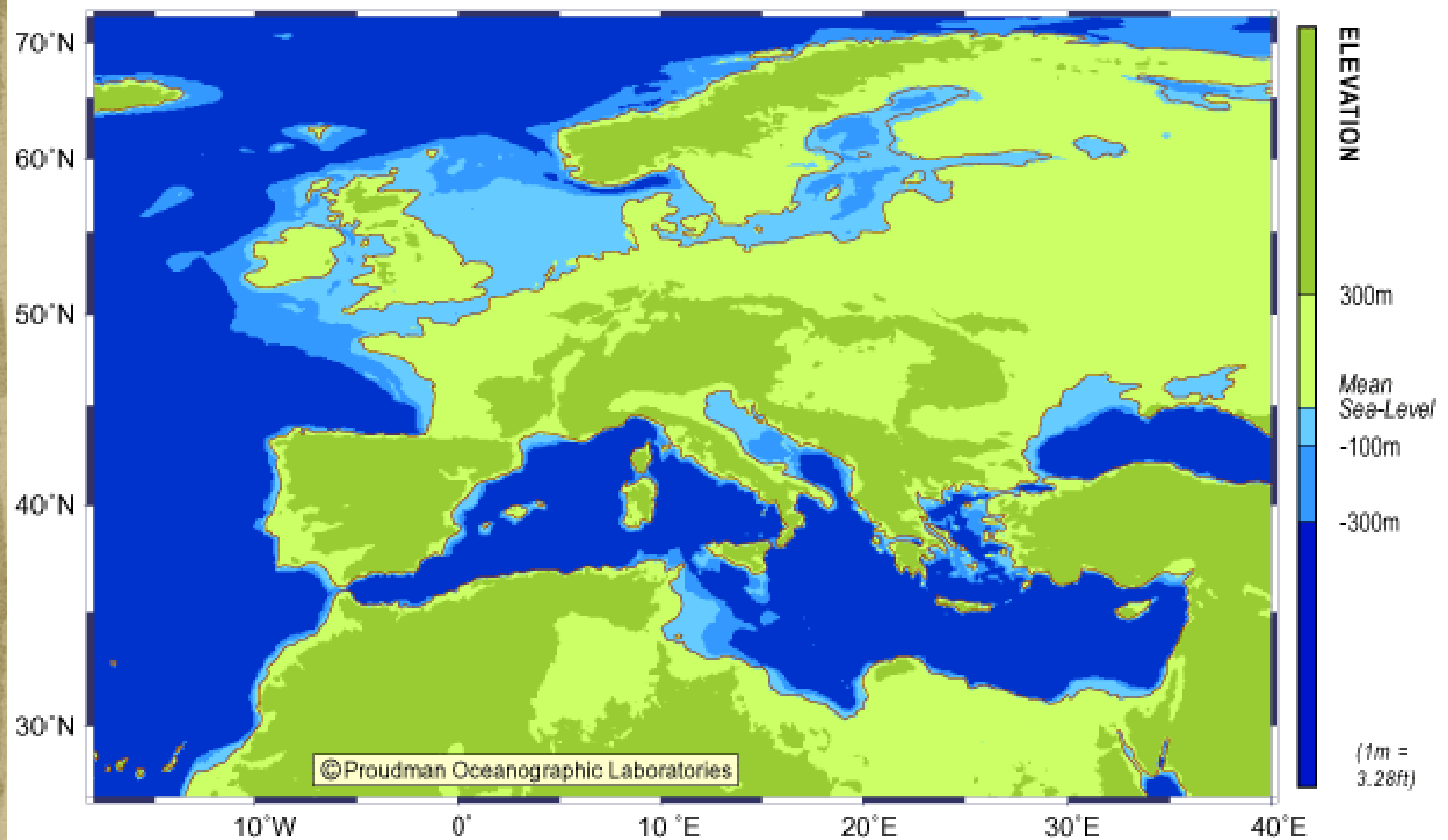
Behrman Cylindrical Equal-Area projection
Scale 1: 20 000 000

PRIN 6.000 ETH



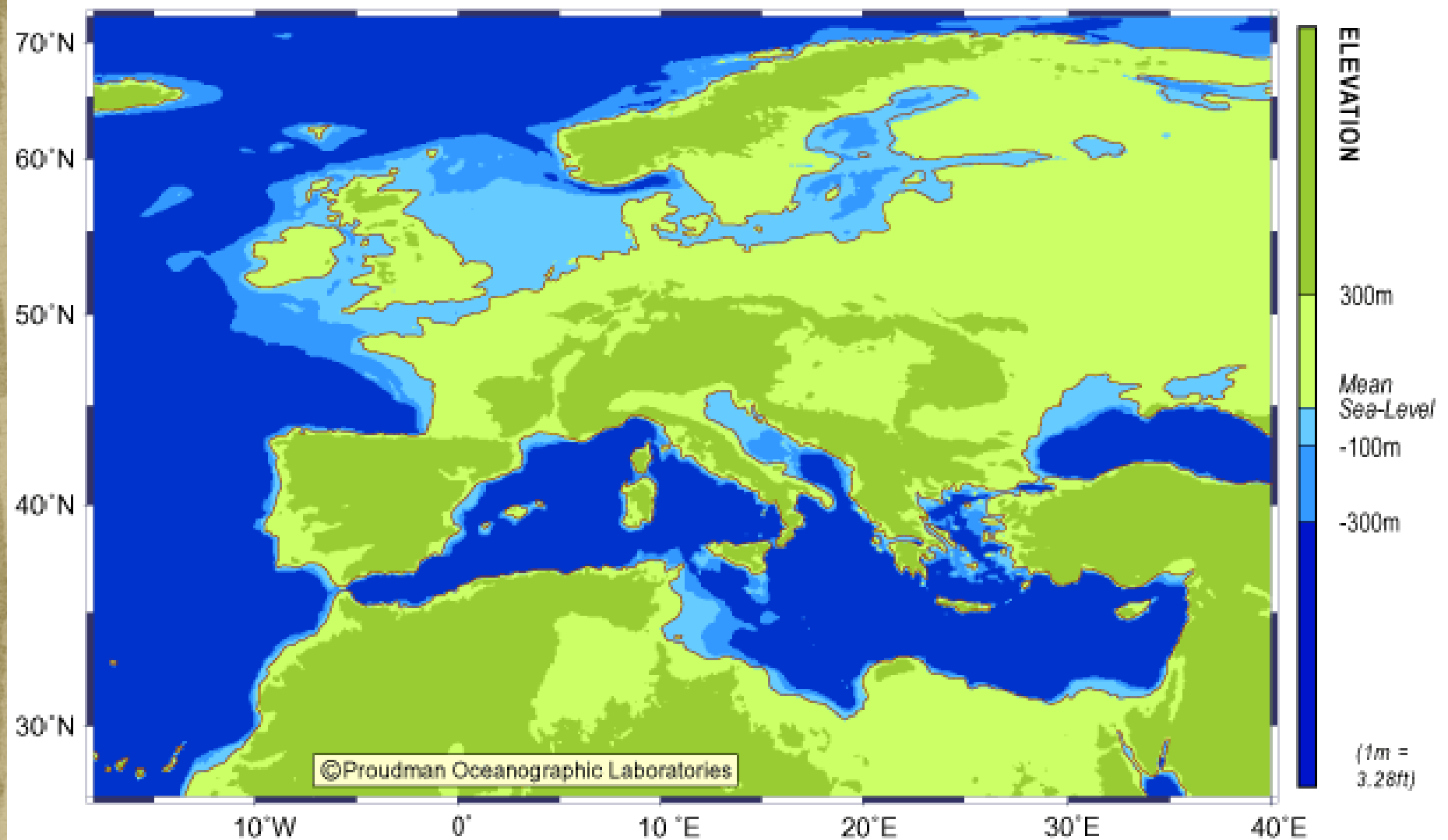
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 5.000 ΕΤΗ



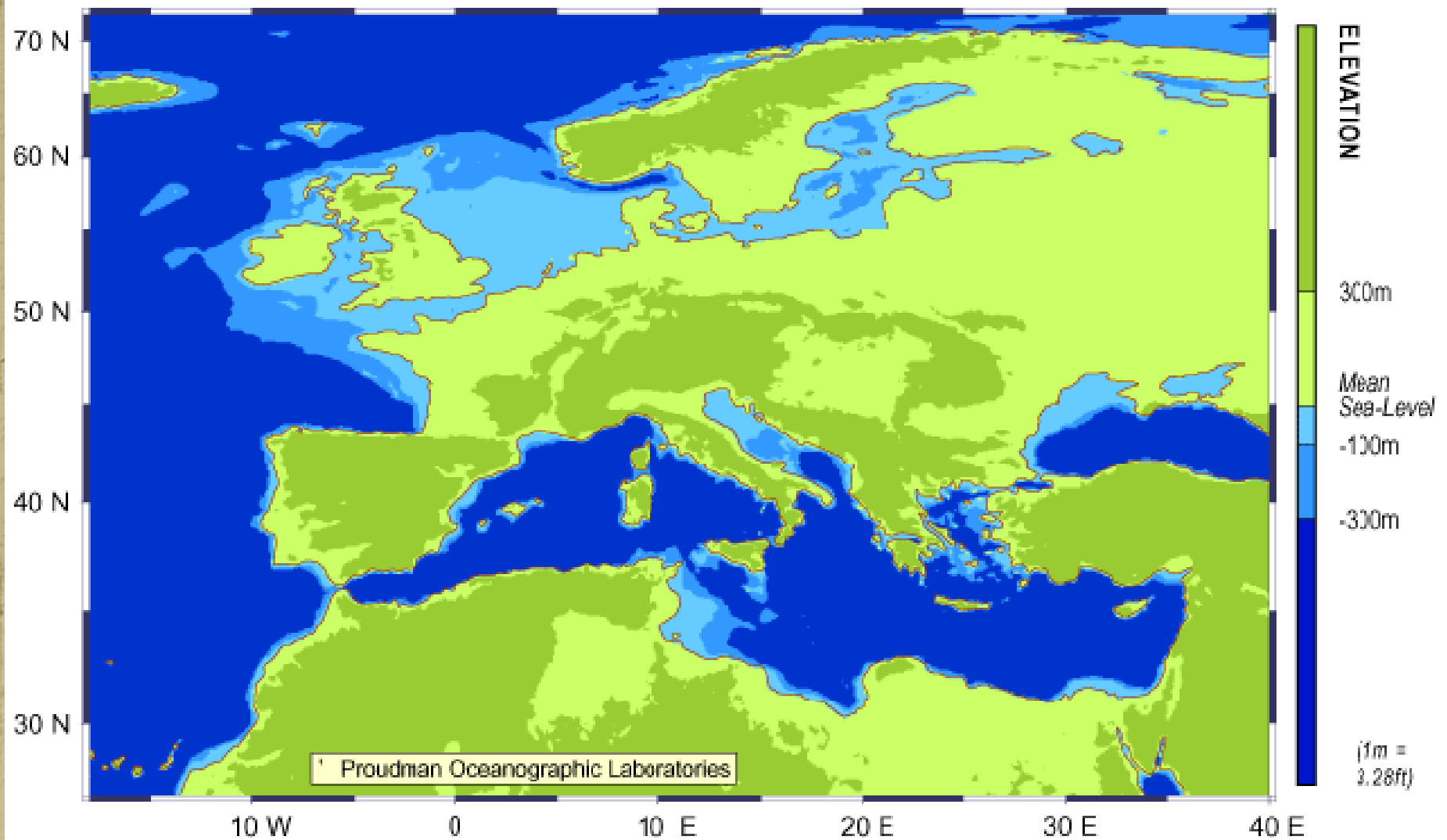
Behrman Cylindrical Equal-Area projection
Scale 1:30 000 000

ΠΡΙΝ 4.000 ΕΤΗ



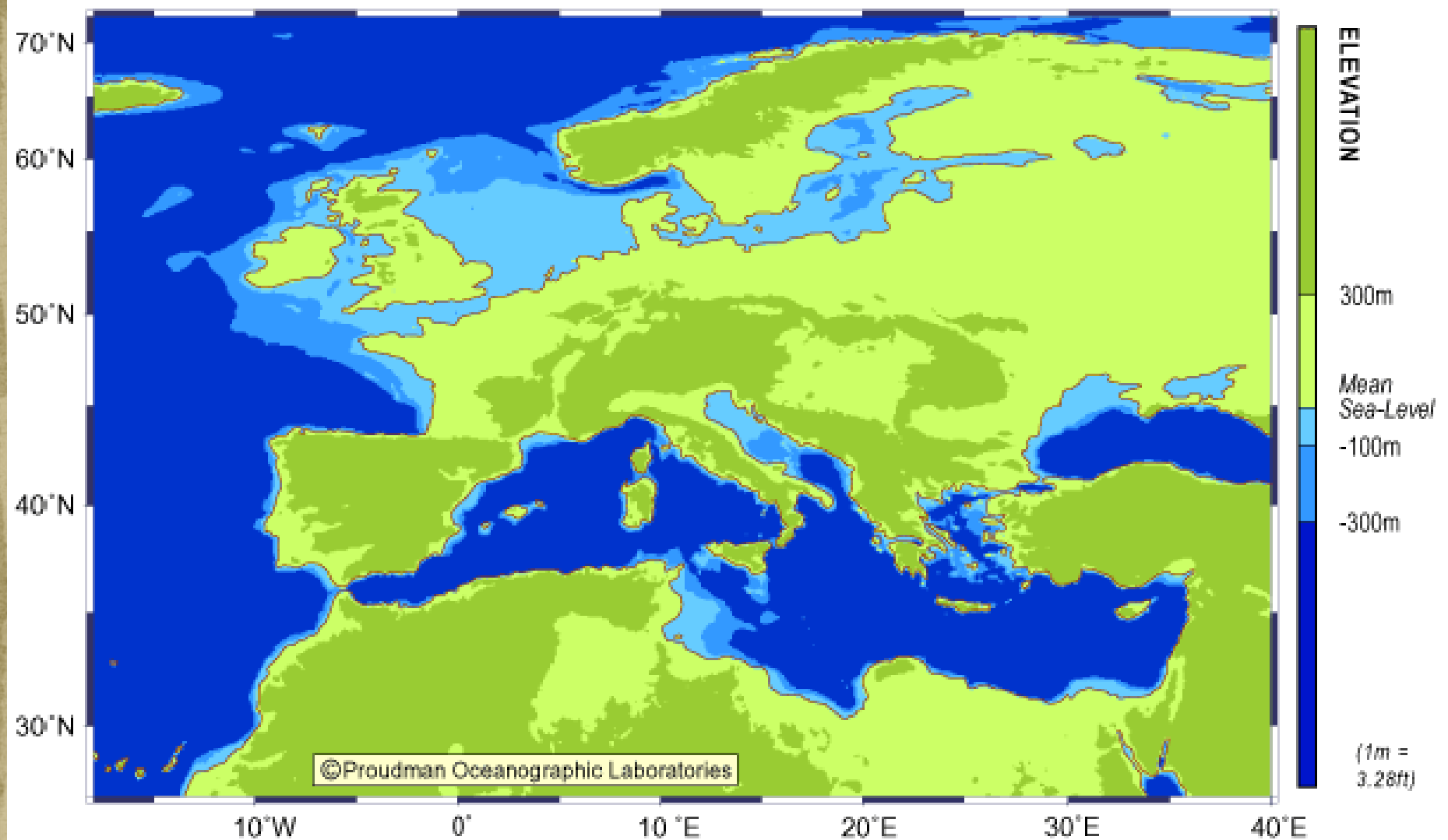
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 3.000 ΕΤΗ



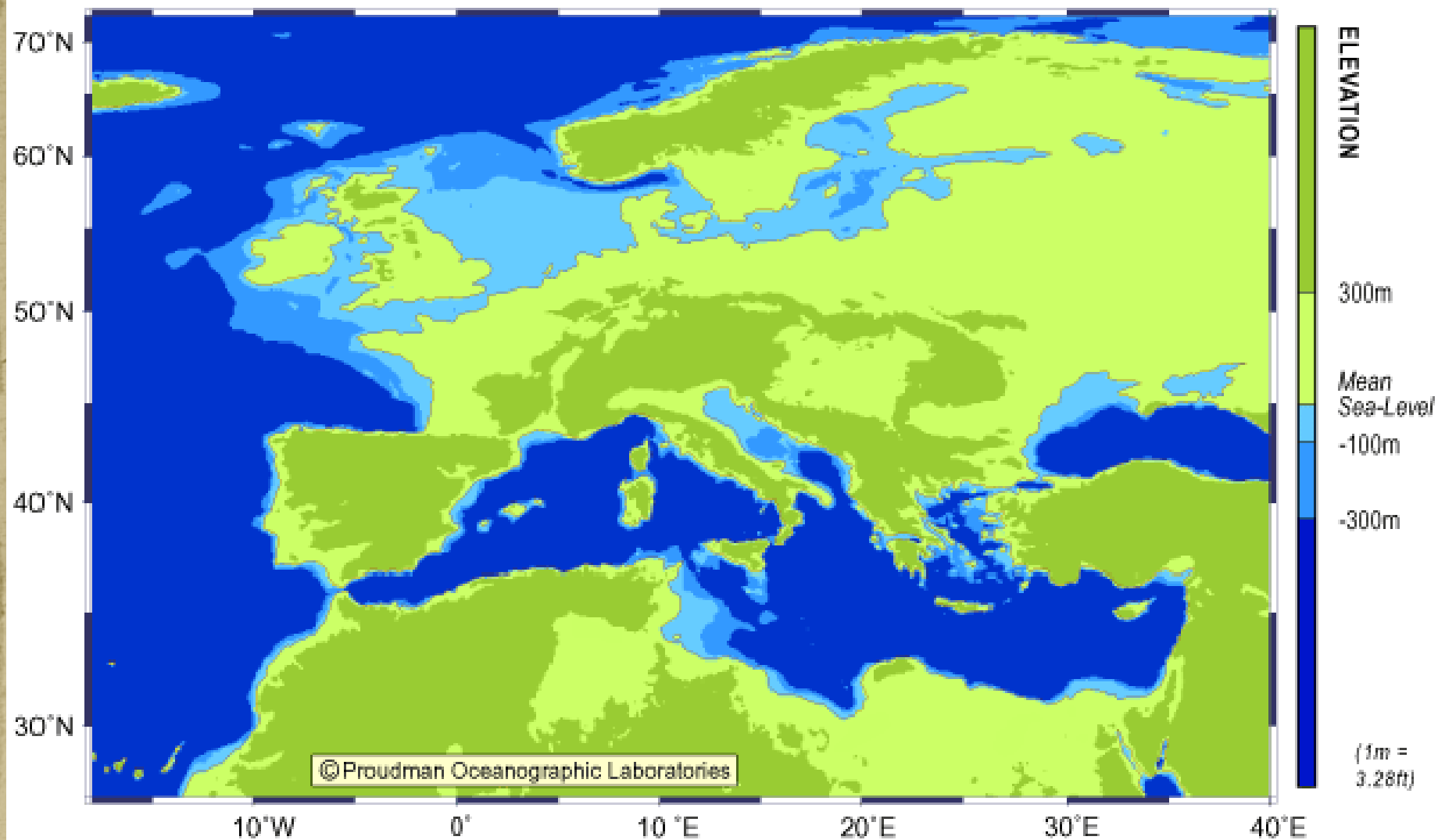
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

PRIN 2.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 1.000 ΕΤΗ



Behrman Cylindrical Equal-Area projection
Scale 1: 20 000 000

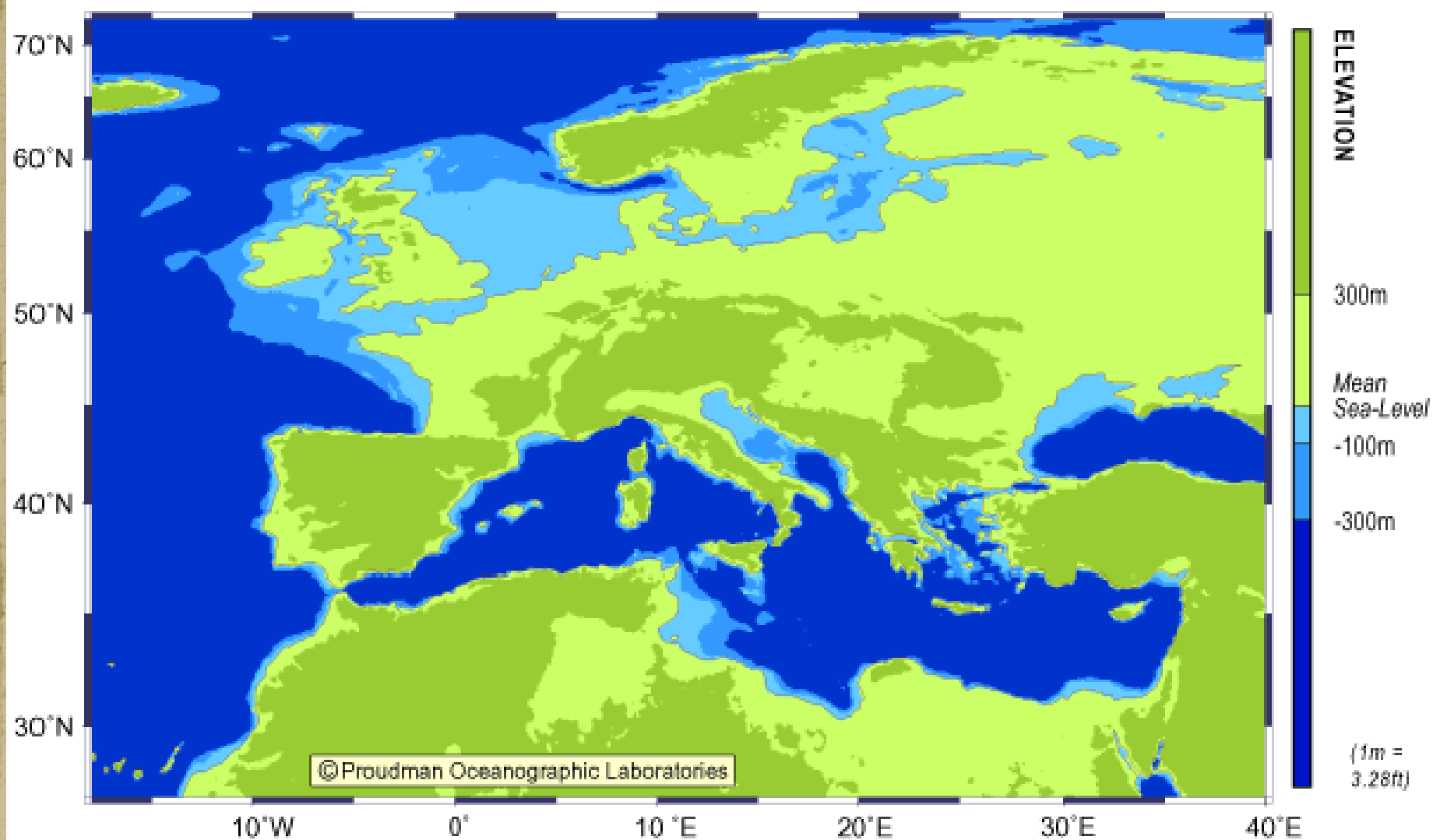
ΣΗΜΕΡΑ

Παλαιογεωγραφική εξέλιξη της ΕΥΡΩΠΗΣ τα τελευταία 20.000 έτη

Από:

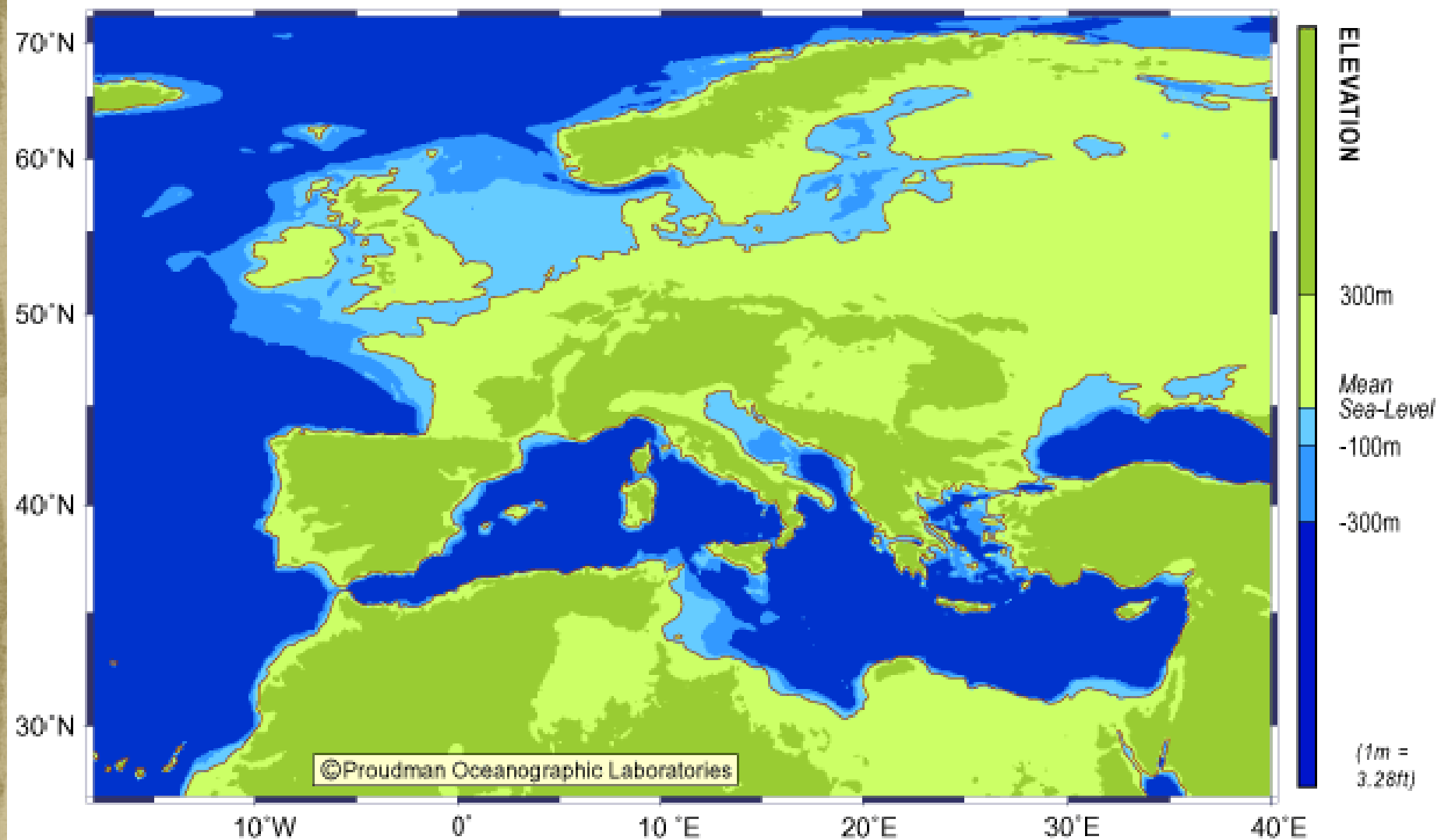
Βαγγέλη Μαρκατσέλη, Γεωλόγο, Υπεύθυνο ΚΠΕ Στυλίδας
Παναγιώτη Ψύχα, Φυσικό, Μουσικό σχολείο Πρόσυμνας
Παπαγεωργίου Μαρίνα, γεωλόγο, Αν.Υπεύθυνη ΚΠΕ Στυλίδας

Οι Μεταβολές της Στάθμης της θάλασσας
Από 0 μέτρα σήμερα
έως -150 μέτρα πριν 20.000 έτη



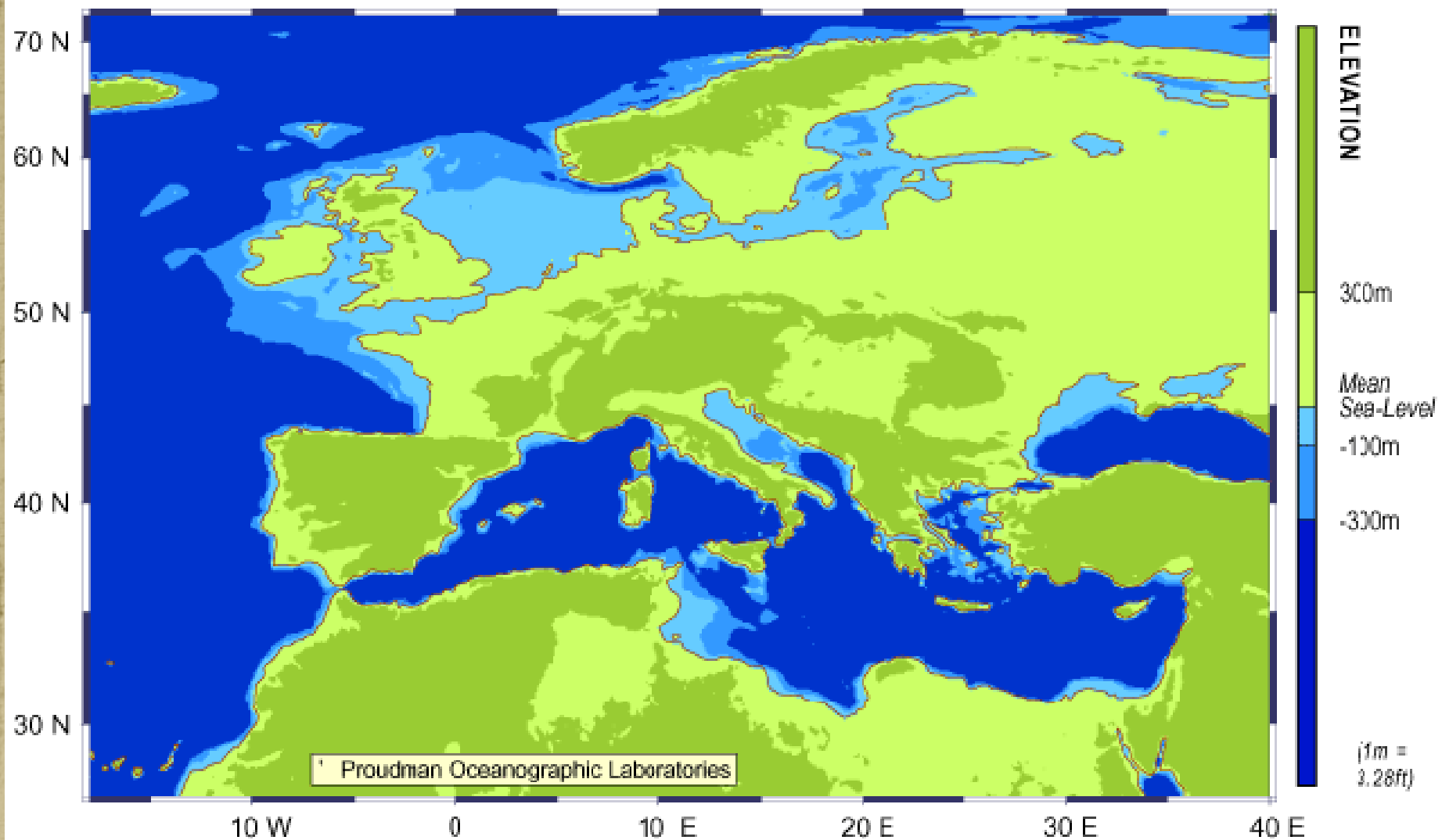
Behrman Cylindrical Equal-Area projection
Scale 1: 20 000 000

ΣΗΜΕΡΑ



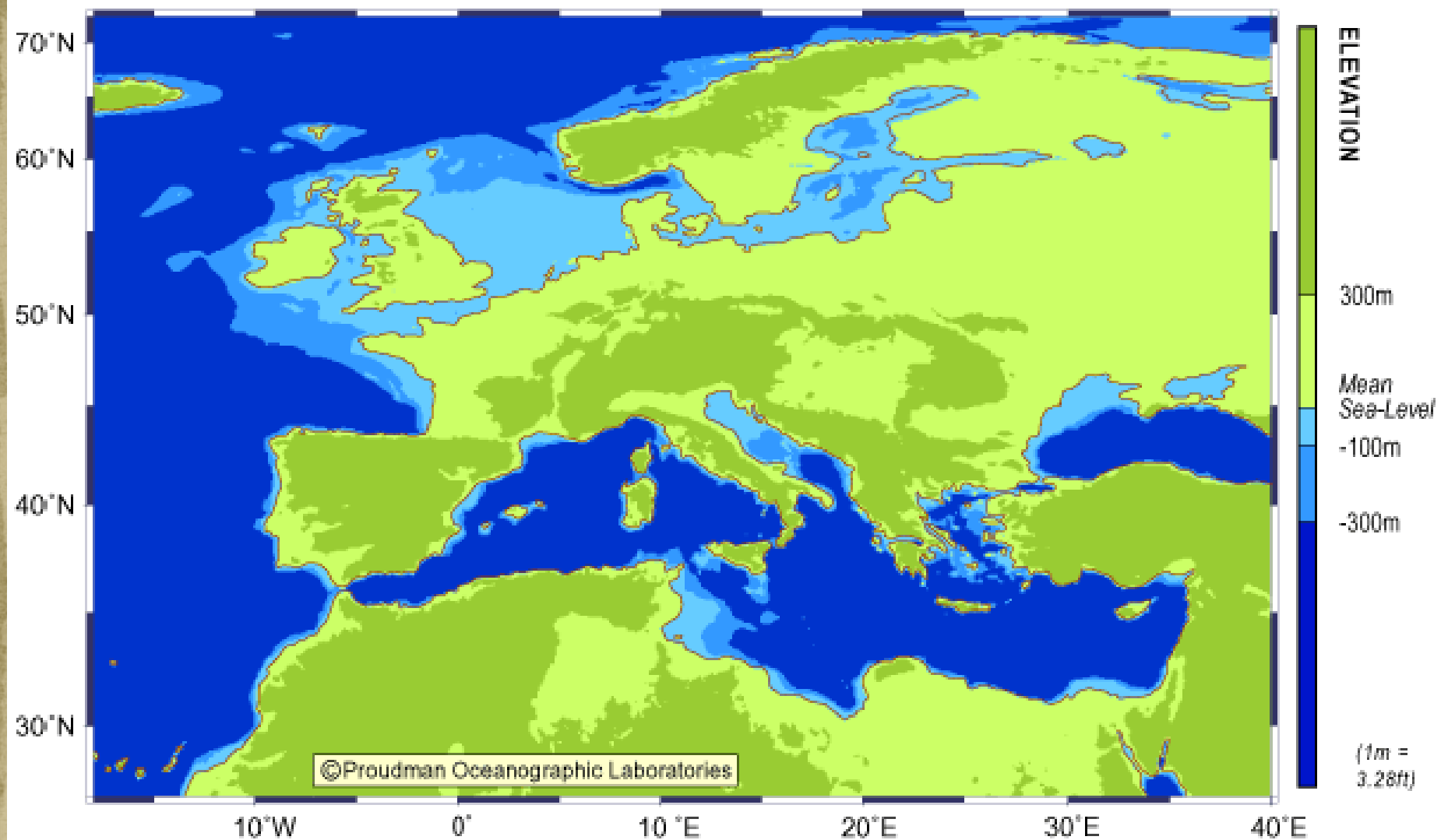
Behrmann Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 1.000 ΕΤΗ



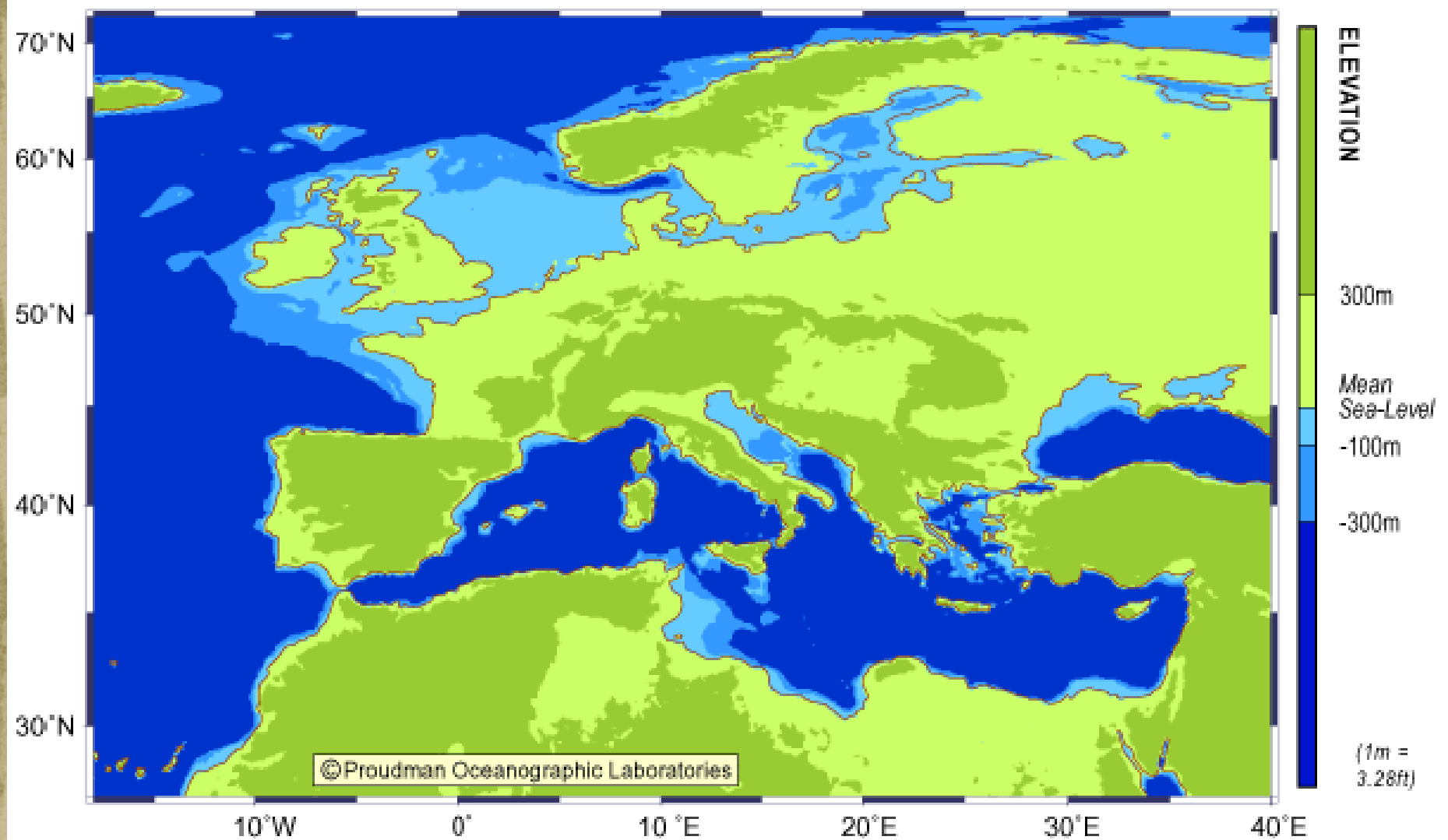
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

PRIN 2.000 ETH



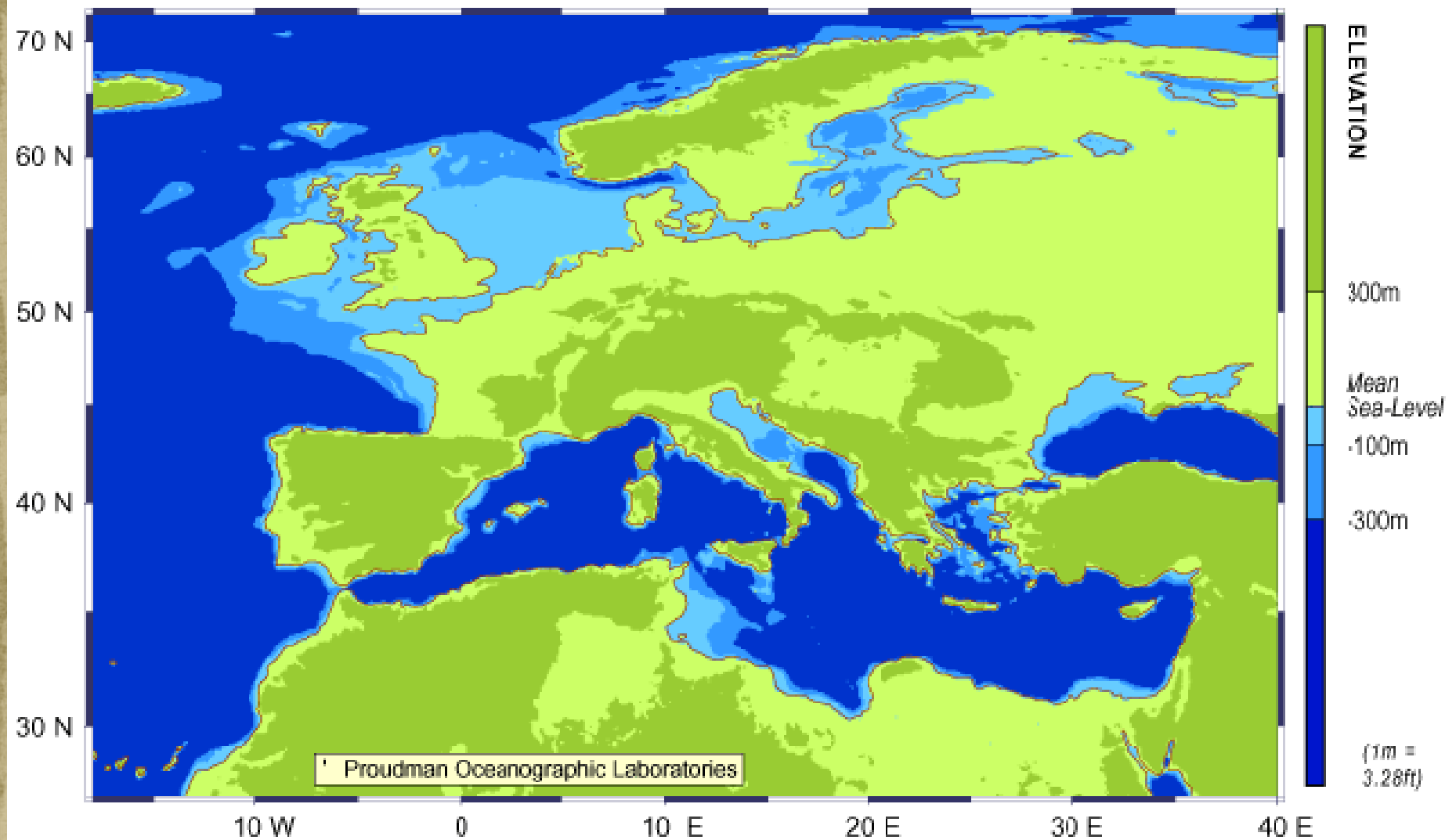
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 3.000 ΕΤΗ



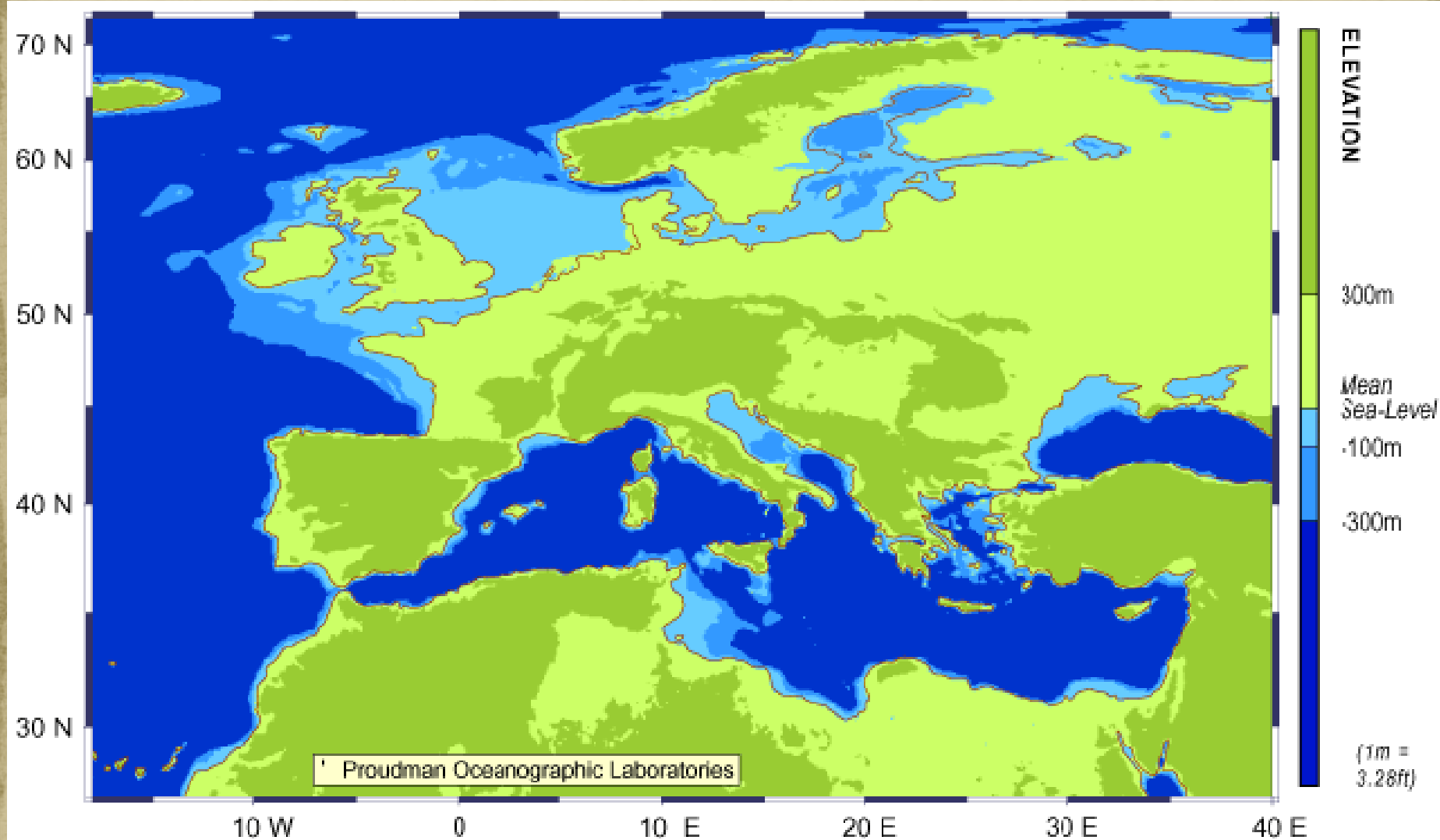
Behrmann Cylindrical Equal-Area projection
Scale 1:30 000 000

PRIN 4.000 ETH



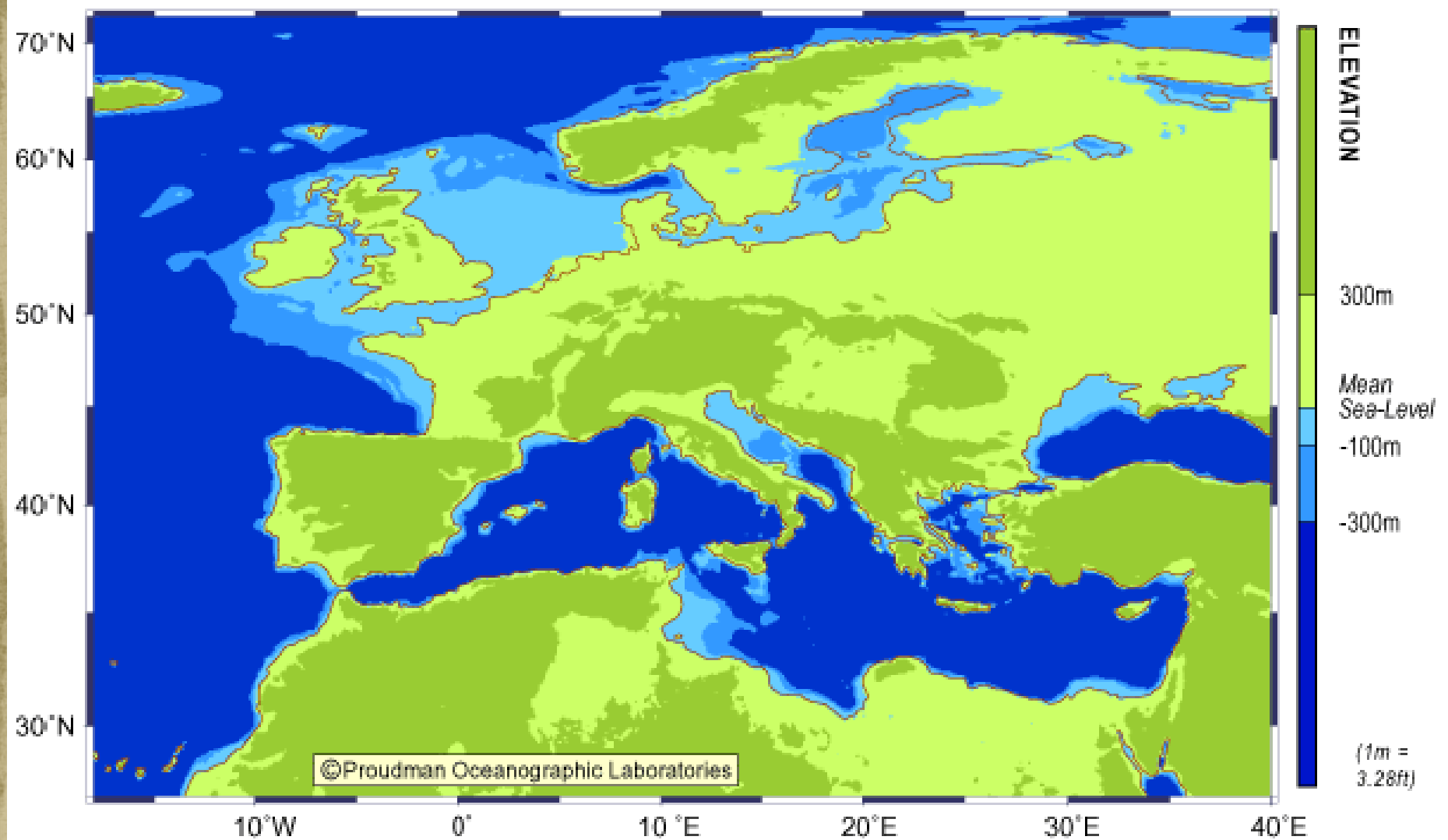
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

PRIN 5.000 ETH



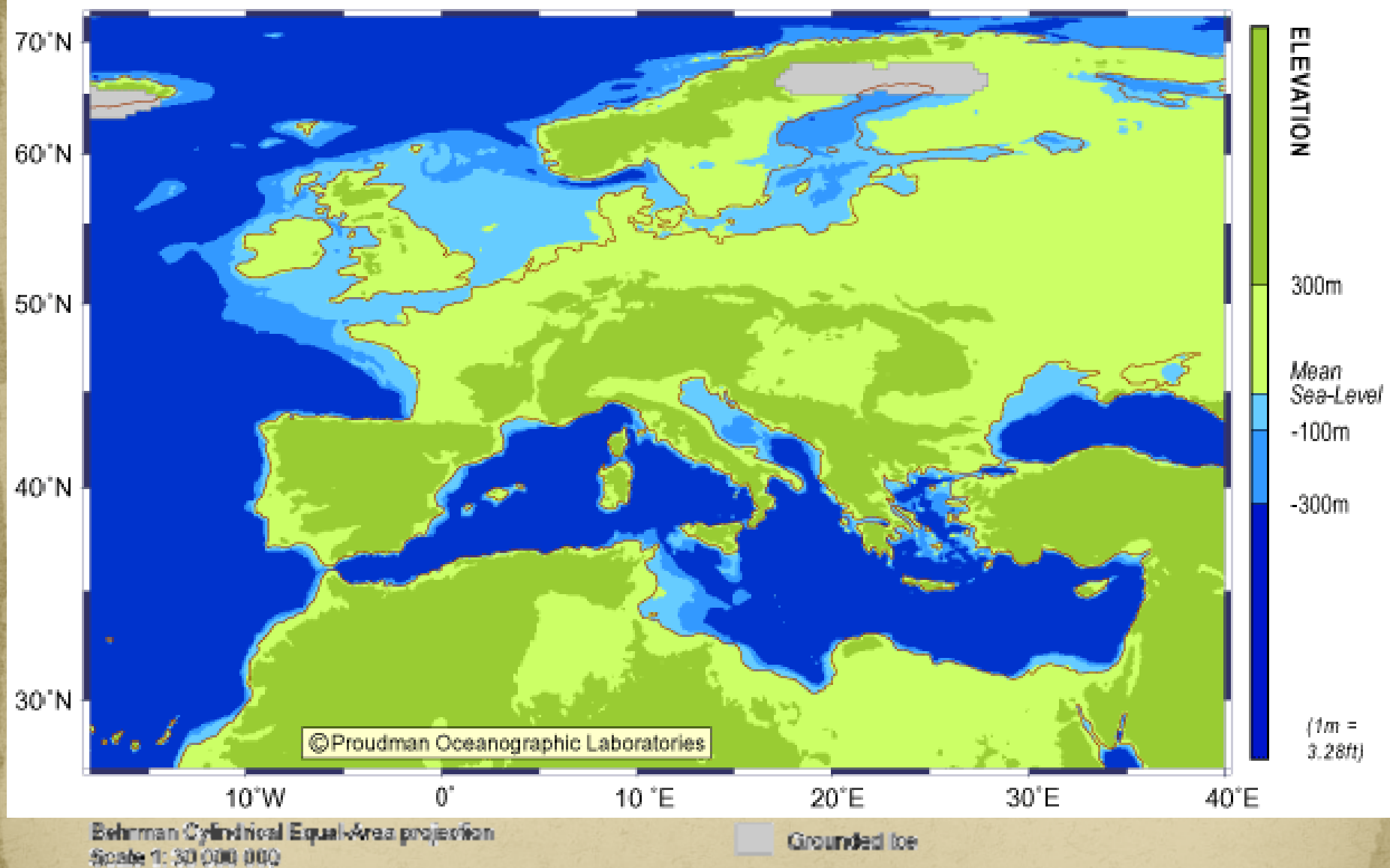
Behrman Cylindrical Equal-Area projection
Scale 1: 20 000 000

ПРИН 6.000 ETH

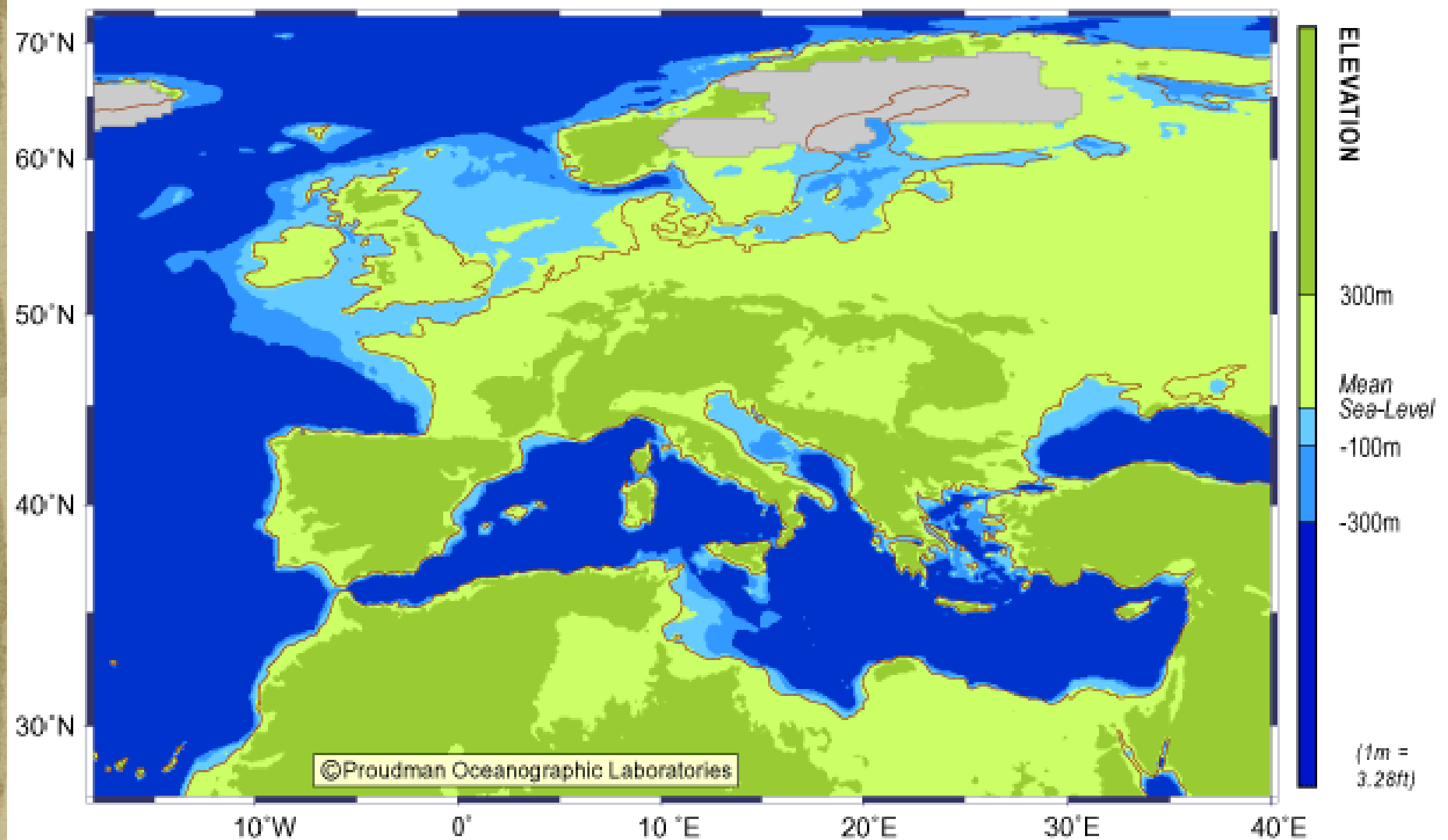


Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 7.000 ΕΤΗ

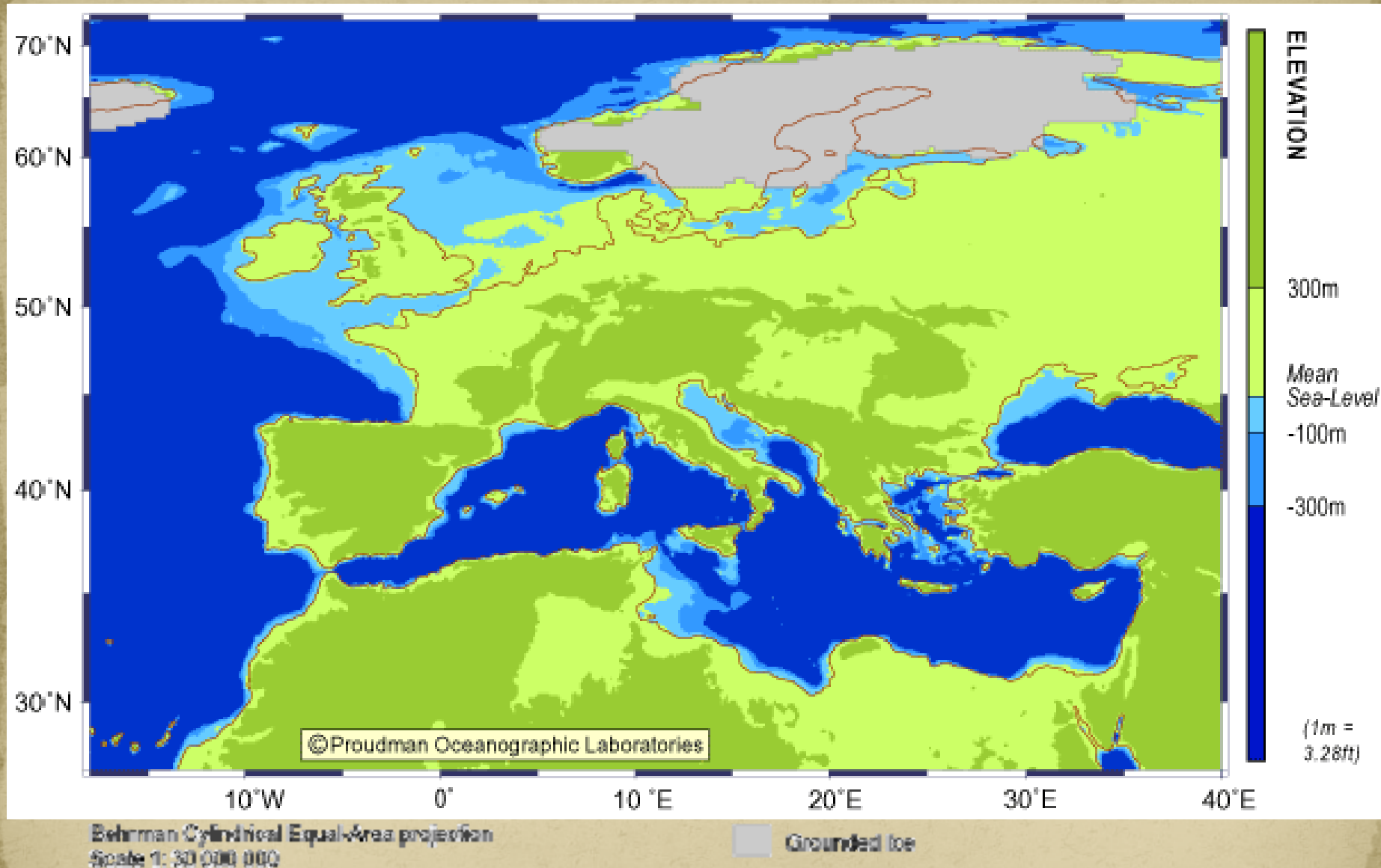


PRIN 8.000 ETH

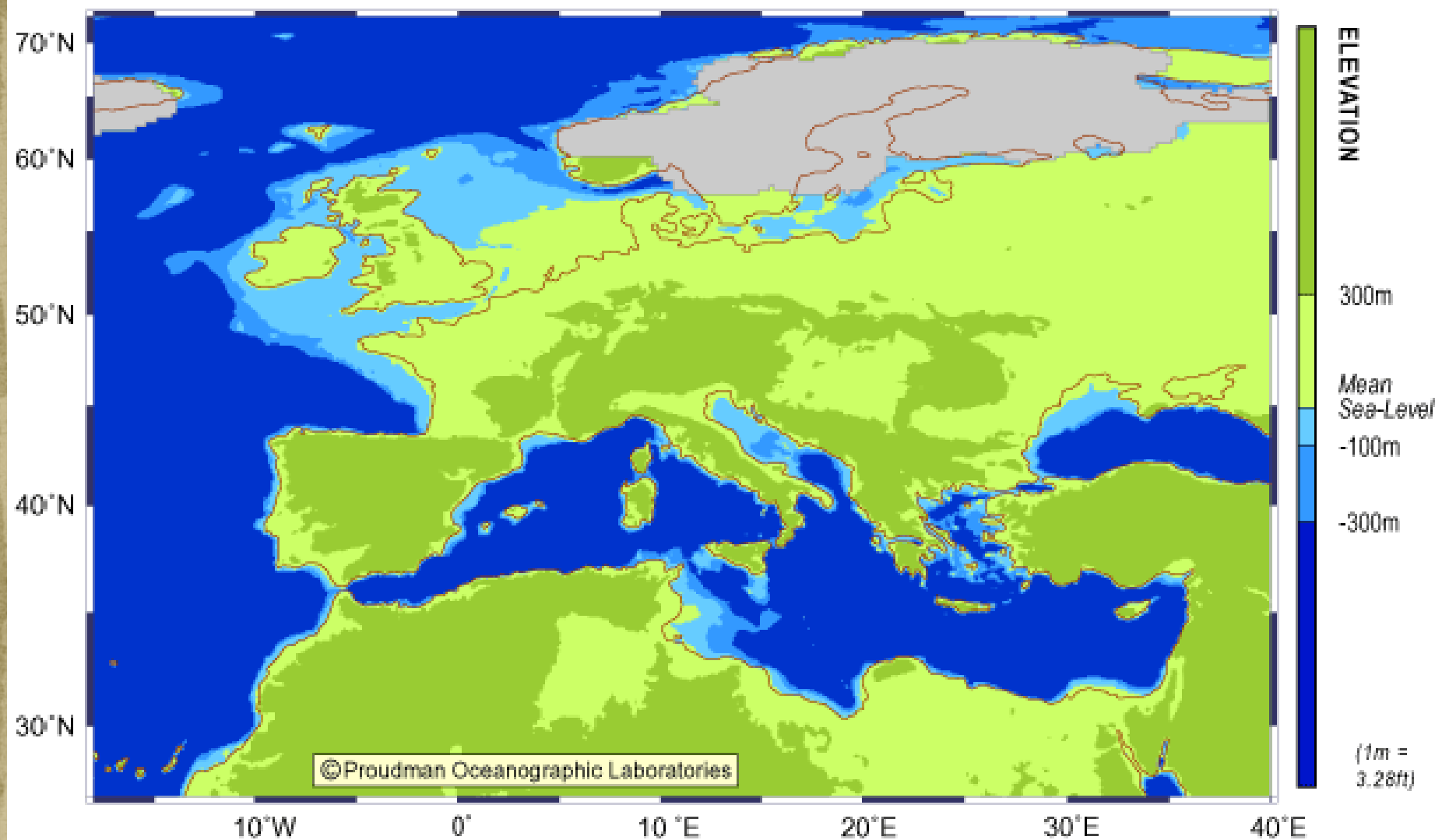


Bathymetric Cylindrical Equal-Area projection
Scale 1: 30 000 000

ΠΡΙΝ 9.000 ΕΤΗ

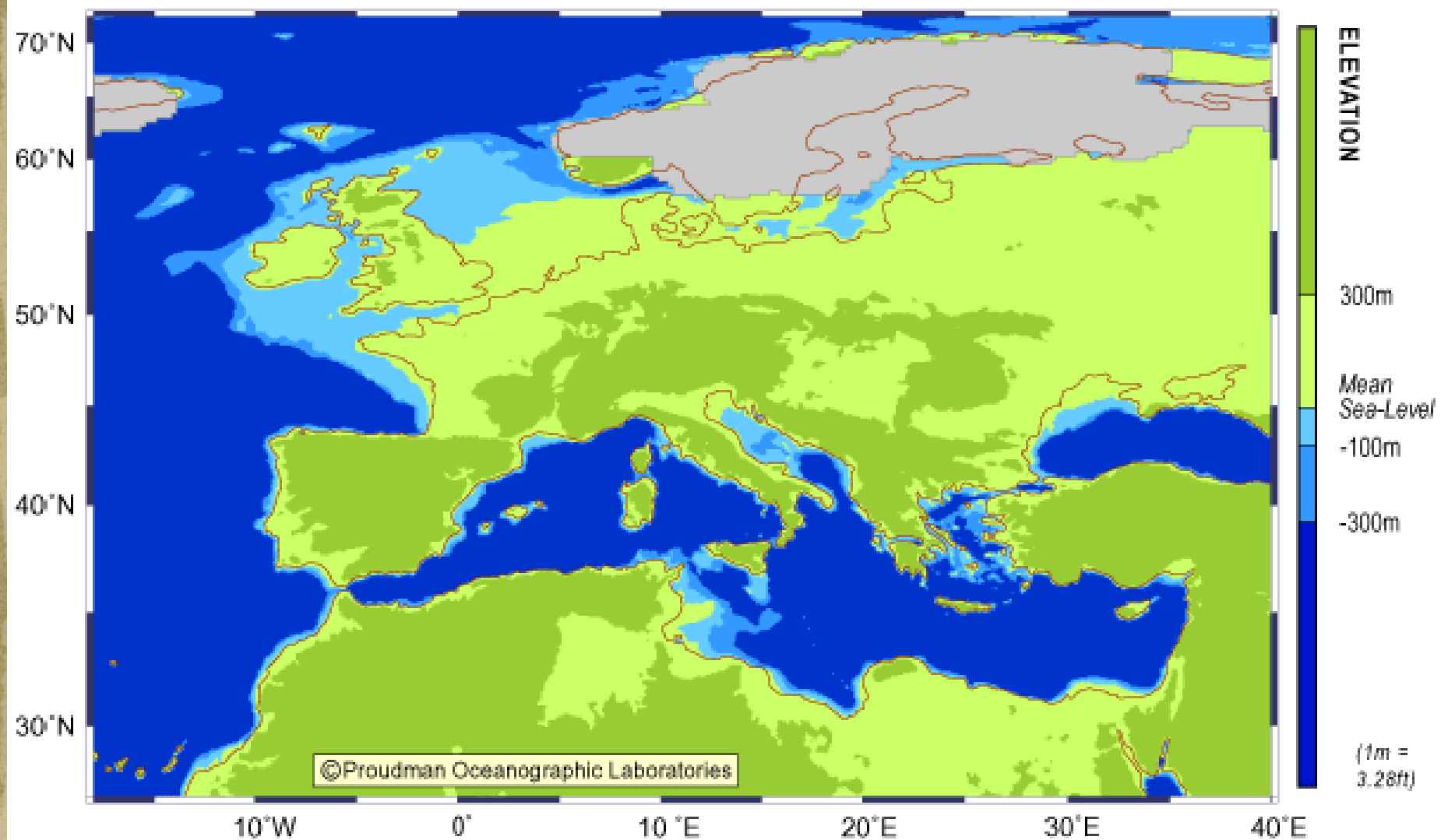


PRIN 10.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

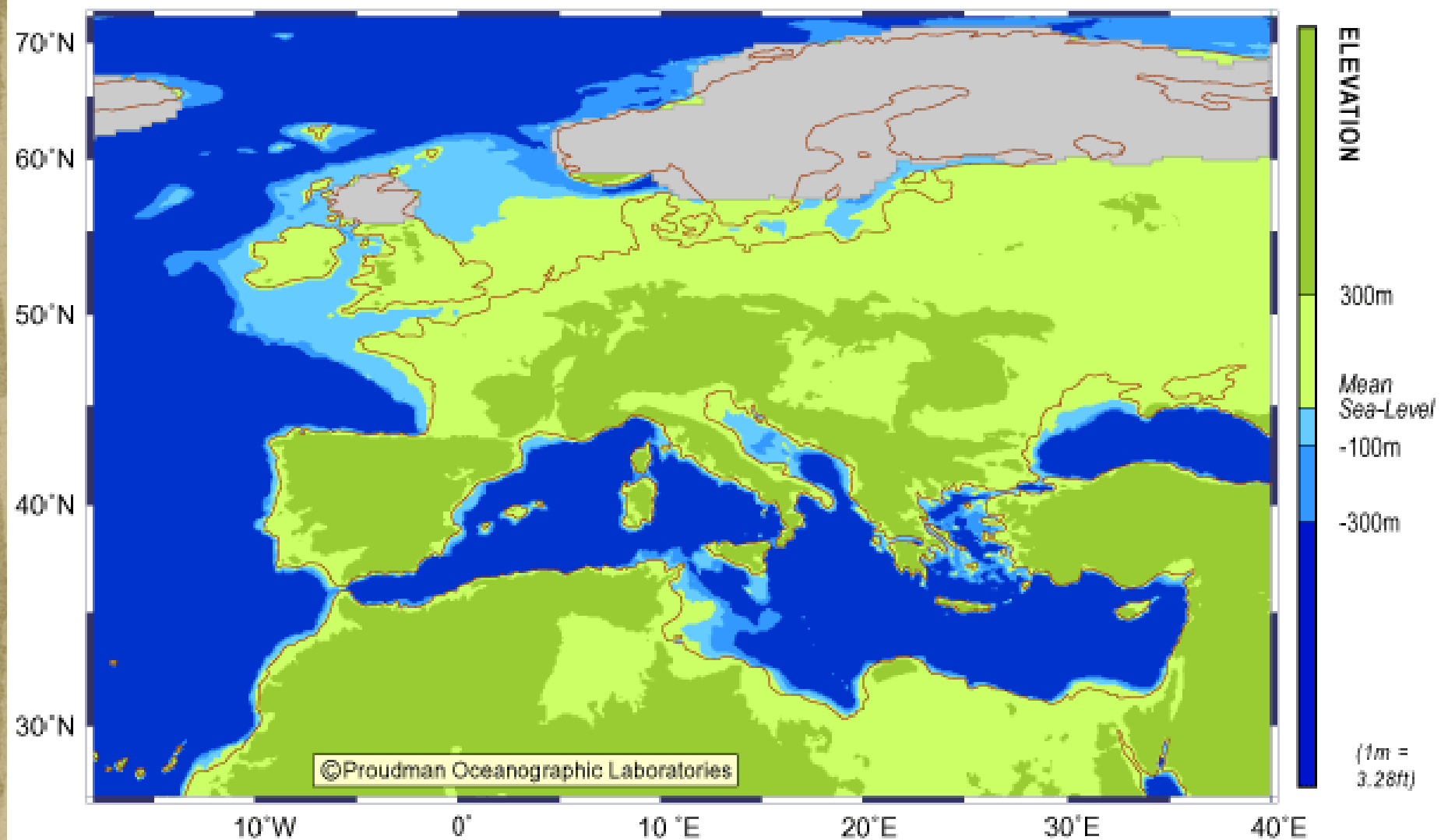
PRIN 11.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

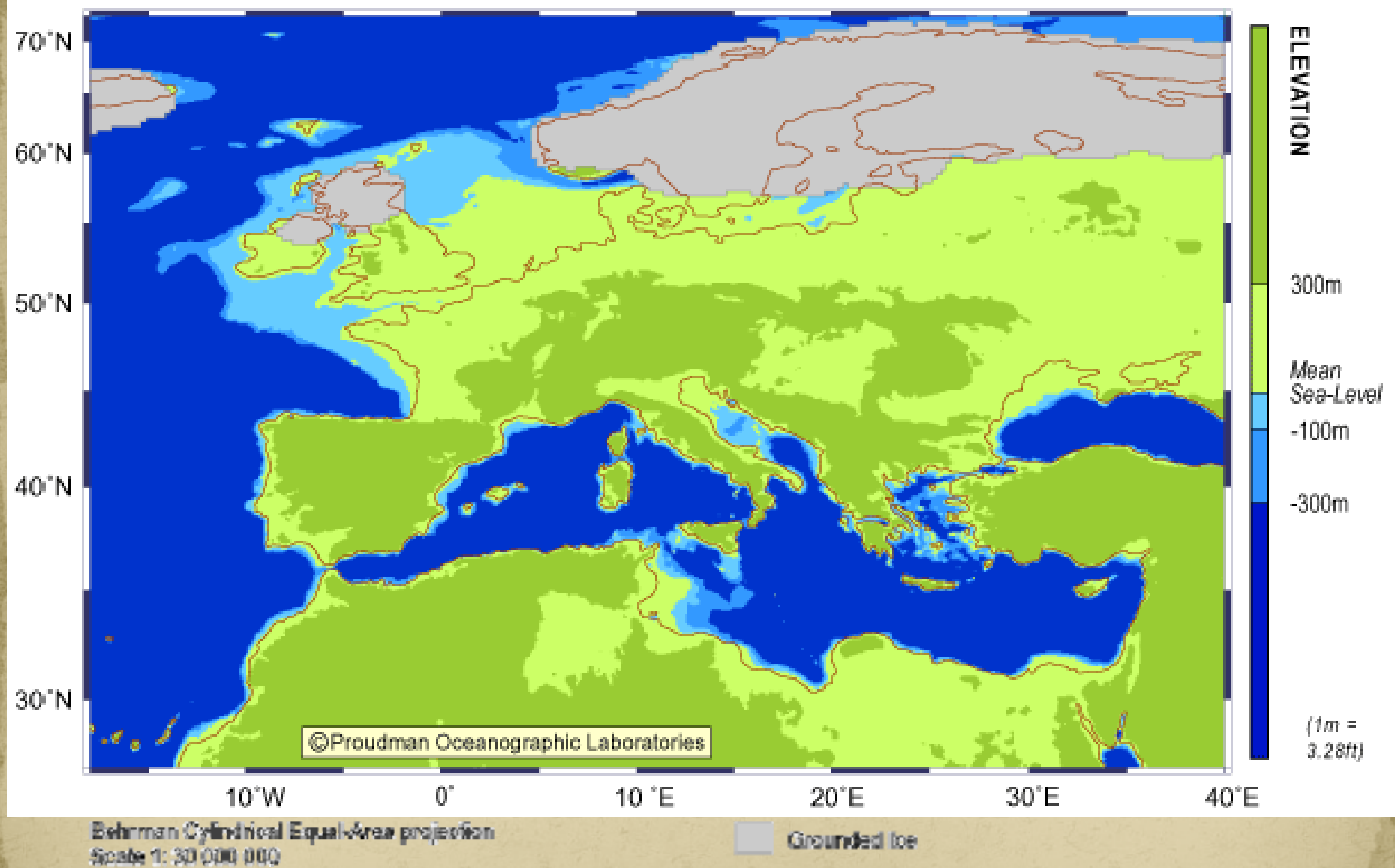
Grounded ice

PRIN 11.000 ETH

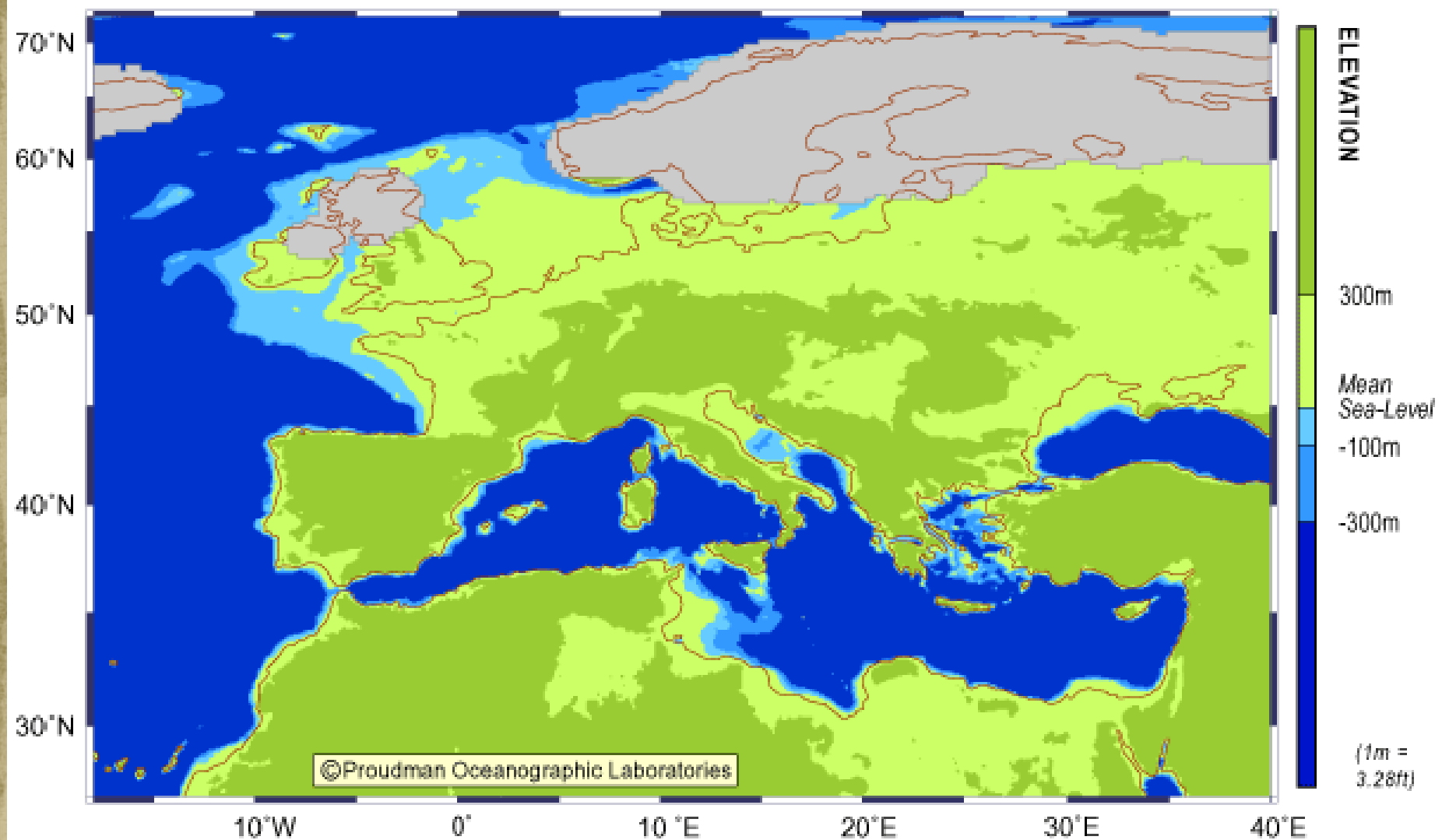


Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

PRIN 12.000 ETH



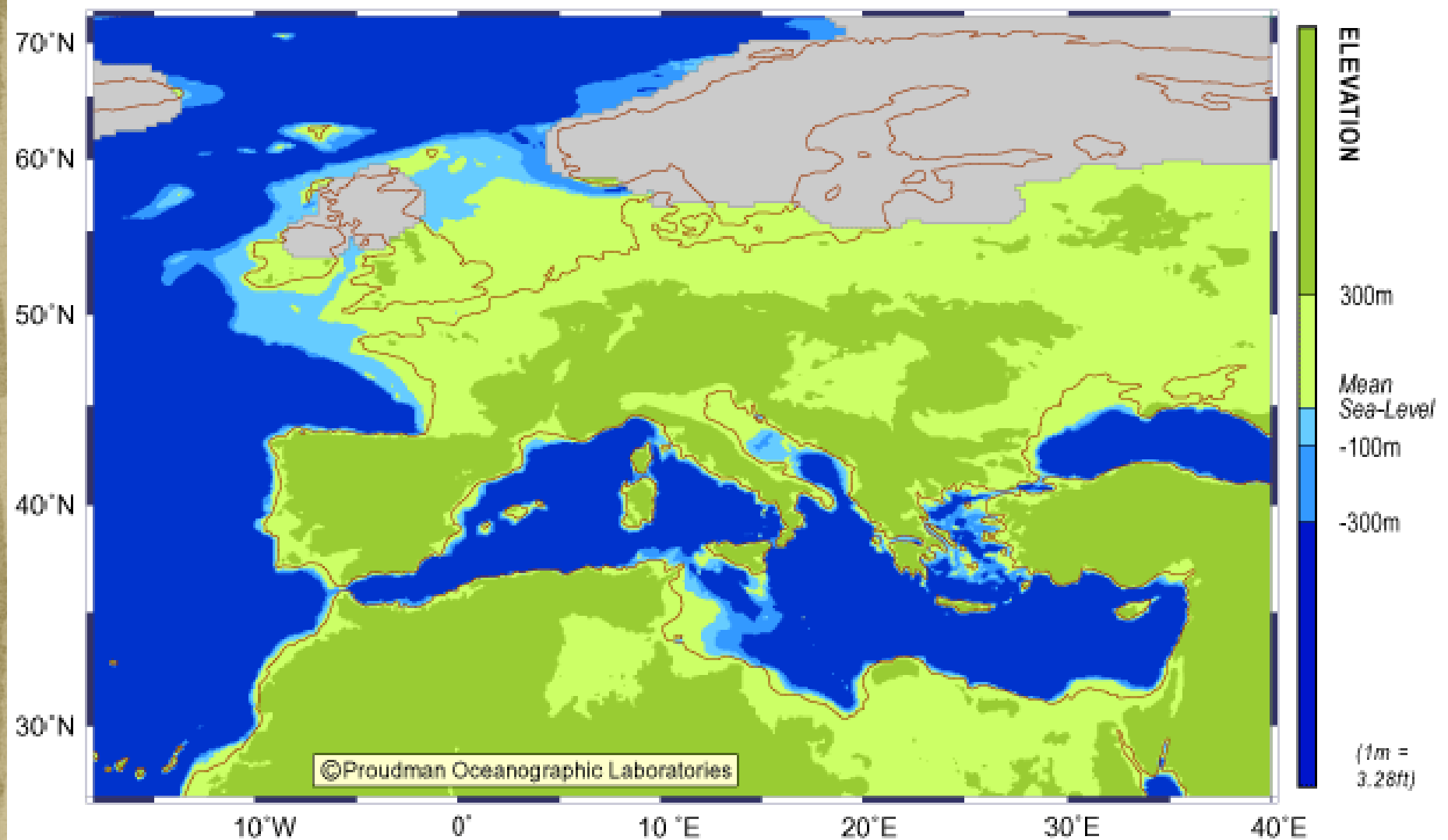
PRIN 13.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

Grounded ice

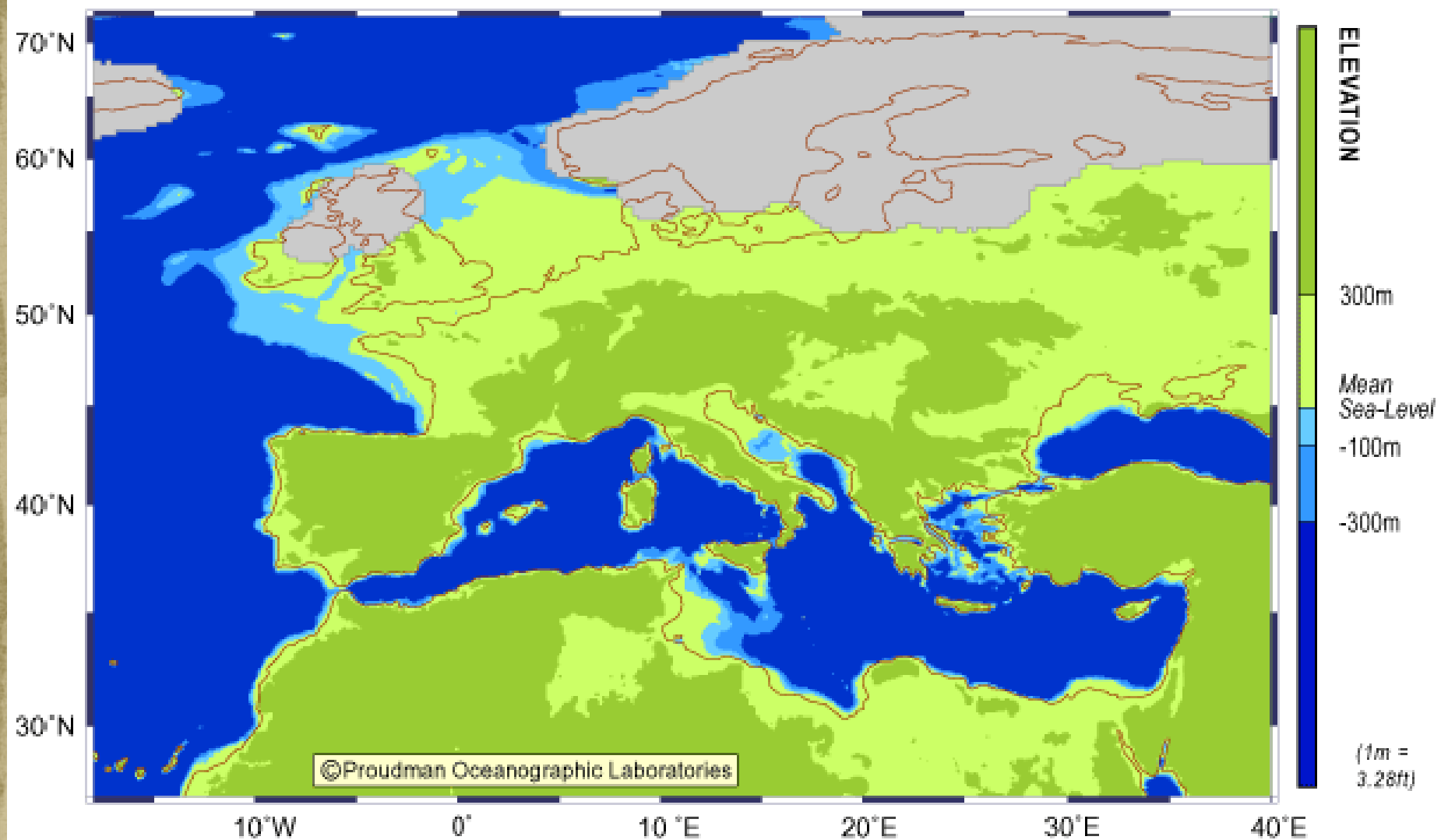
PRIN 14.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

Grounded ice

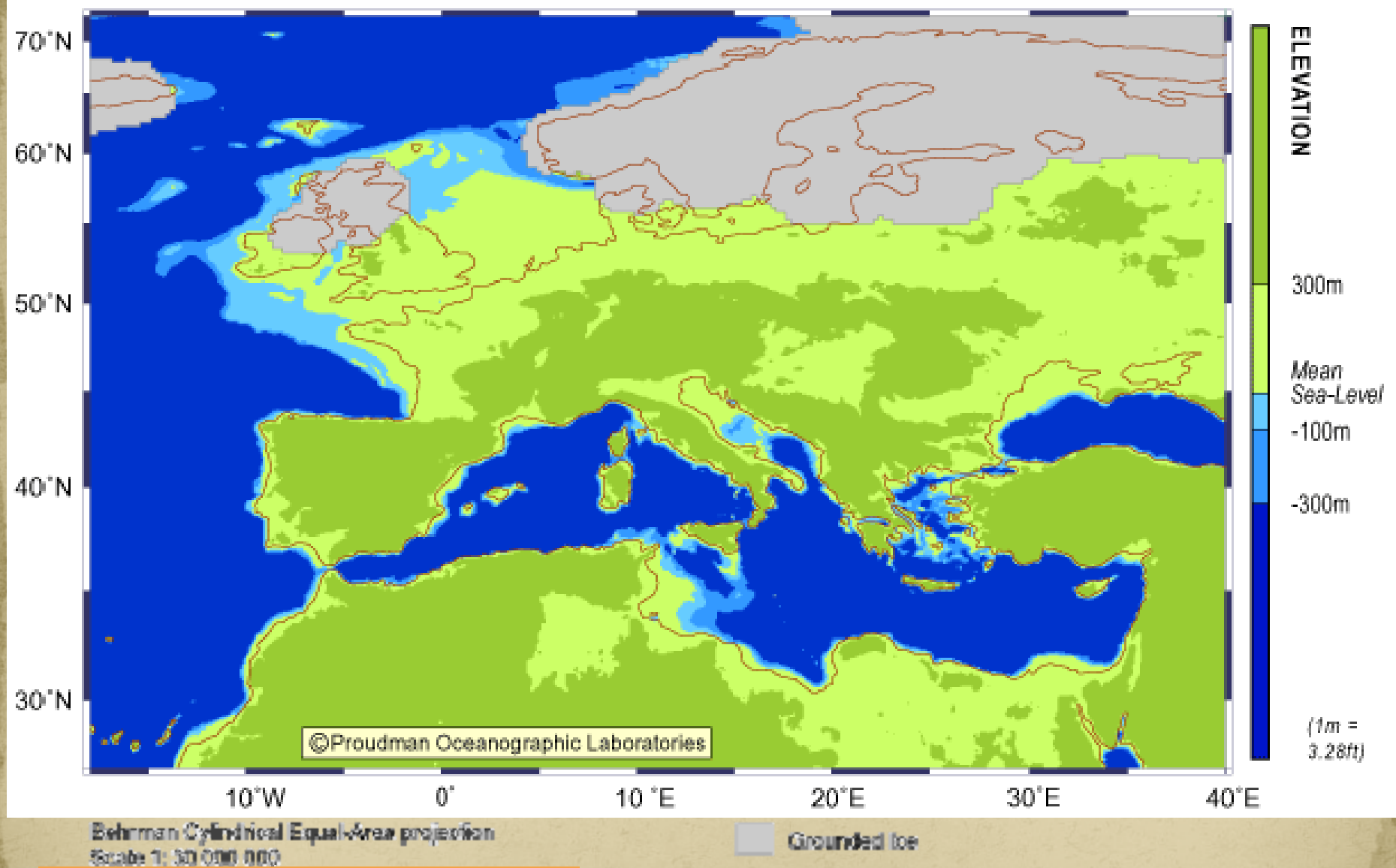
PRIN 15.000 ETH



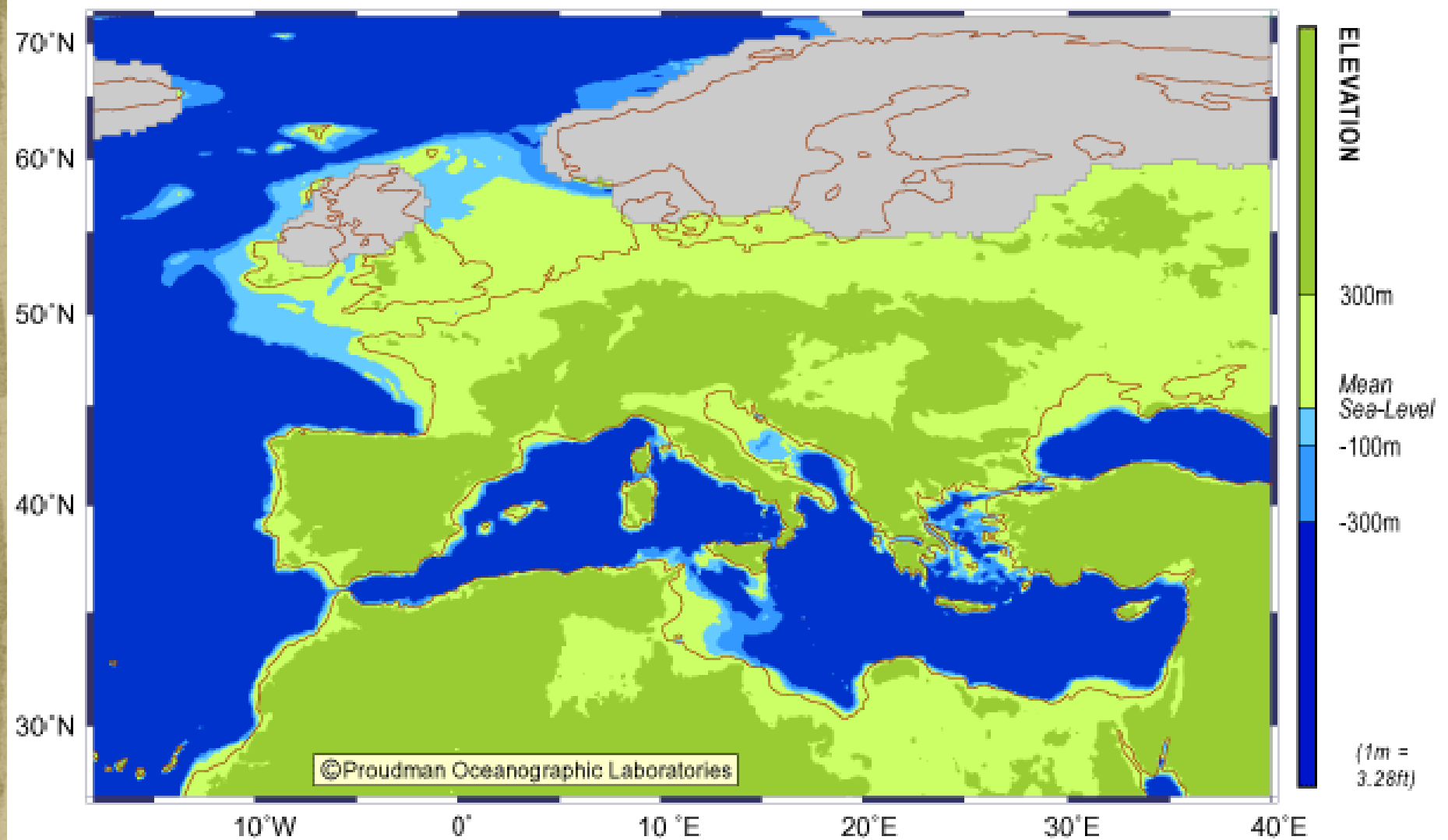
Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

Grounded ice

PRIN 16.000 ETH



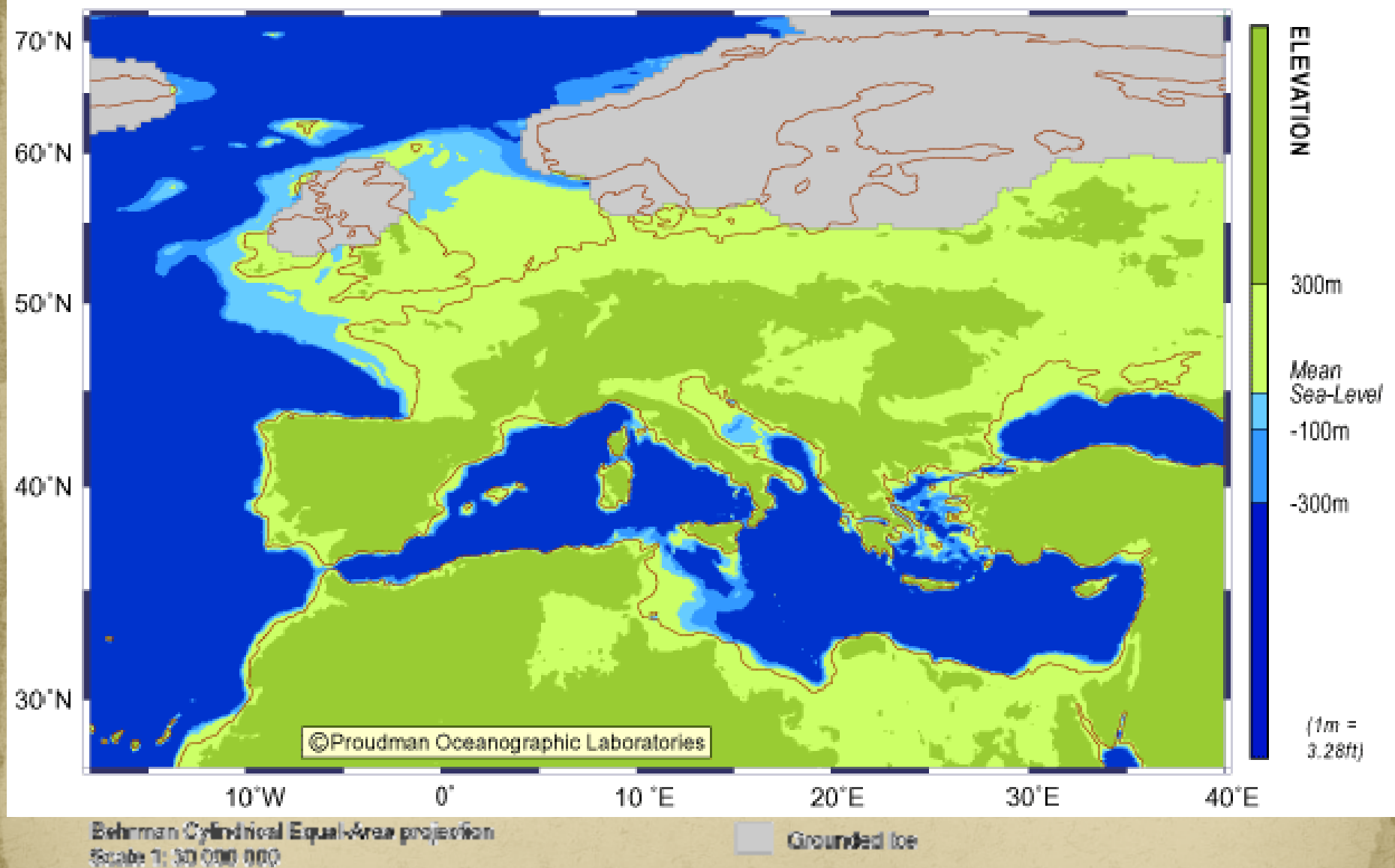
PRIN 17.000 ETH



Behrman Cylindrical Equal-Area projection
Scale 1: 30 000 000

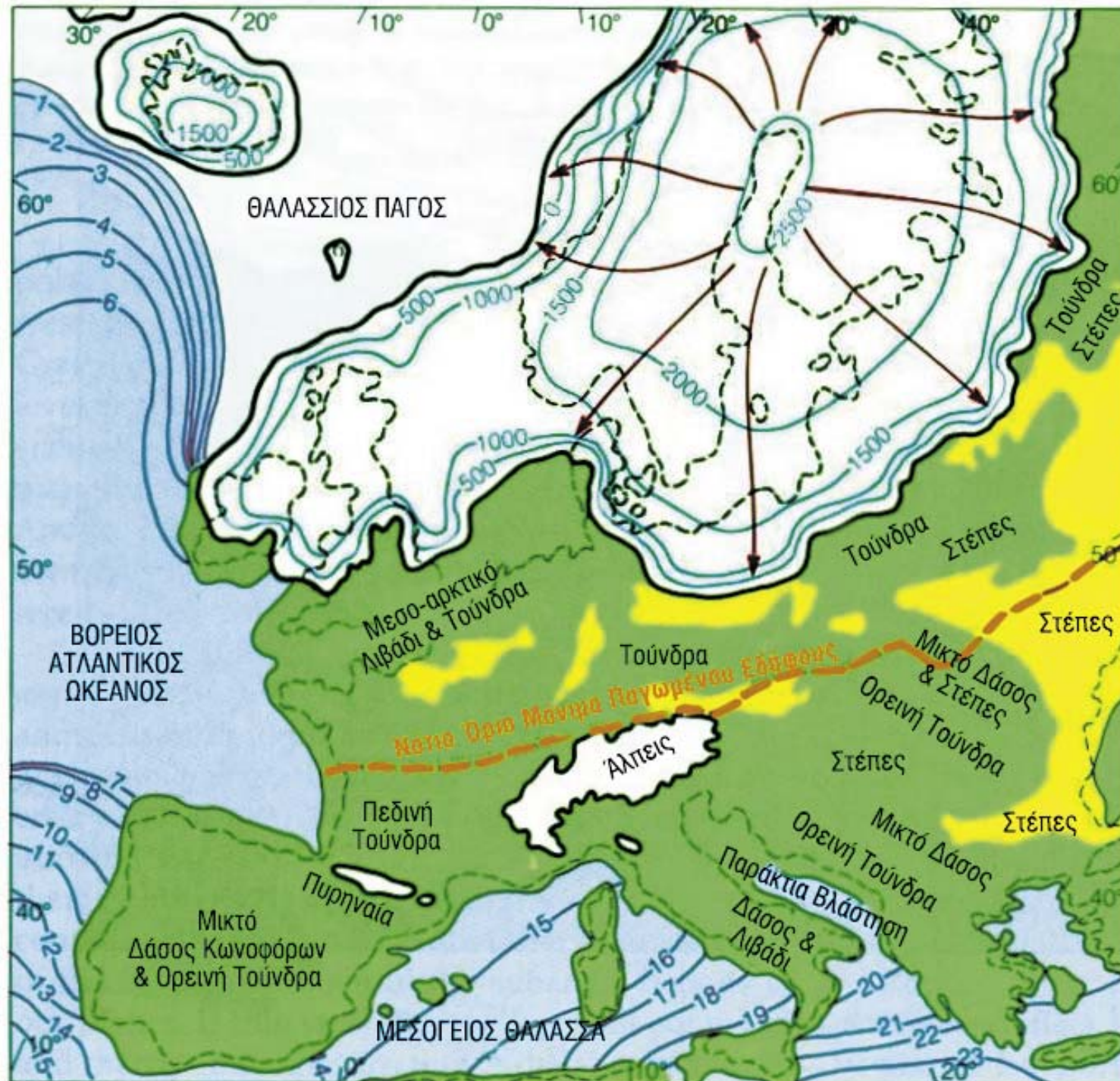
Grounded ice

PRIN 18.000 ETH



PRIN 19.000 ETH

ΠΡΙΝ 18.000 ΧΡΟΝΙΑ



ΣΥΓΧΡΟΝΗ
ΑΚΤΟΓΡΑΜΜΗ

ΠΙΘΑΝΟ ΝΟΤΙΟ
ΟΡΙΟ ΜΟΝΙΜΑ
ΠΑΓΩΜΕΝΟΥ ΕΔΑΦΟΥΣ

ΘΕΡΜΟΚΡΑΣΙΑ
ΕΠΙΦΑΝΕΙΑΣ
ΘΑΛΑΣΣΗΣ
ΤΟΝ ΑΥΓΟΥΣΤΟ (°C)

ΟΡΙΟ ΠΑΓΕΤΩΝΑ &
ΥΨΟΜΕΤΡΟ (ΠΑΧΟΣ)
ΠΑΓΕΤΩΝΑ (m)

ΕΔΑΦΙΚΕΣ ΑΠΟΘΕΣΕΙΣ
ΑΣΒΕΣΤΟΥΧΟΥ ΠΗΛΟΥ









