



WHEN SCIENTISTS GO UNDER THE WATER
BİLİM İNSANLARI SUYUN ALTINA İNDİĞİNDE

AKDENİZ SUALTI KÜLTÜREL MİRASI



Funded by
the European Union





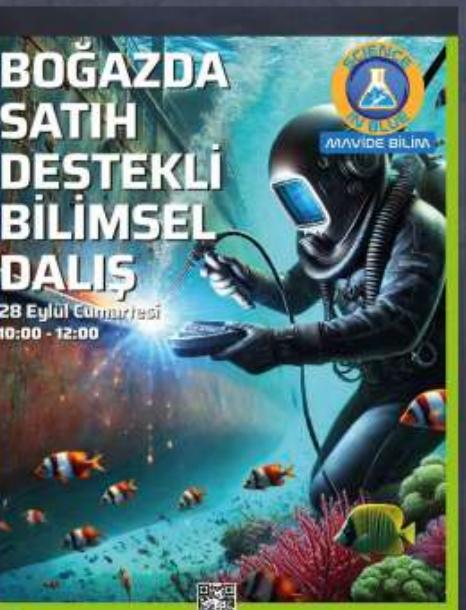
Mavide Bilim (Science in Blue) nedir?

SCIENCEinBLUE Projesi, okyanus, su altında yapılan araştırma ve inovasyon farkındalığını artırmak amacıyla sualtı bilimi ve teknolojisi alanında çalışan araştırmacıları kamuoyuyla buluşturmayı amaçlayan, Avrupa Birliği tarafından fonlanan bir projedir. Galatasaray Üniversitesi, Akdeniz Üniversitesi ve Boğaziçi Sualtı Araştırma Merkezi'nden oluşan konsorsiyum, dünya çapındaki deneyimlerine, özellikle de personelinin geçmişte çalıştığı Avrupa Birliği projelerine atıfta bulunarak, araştırmacının toplum ve ekonomi için rolünü gösterecektir.



Funded by
the European Union







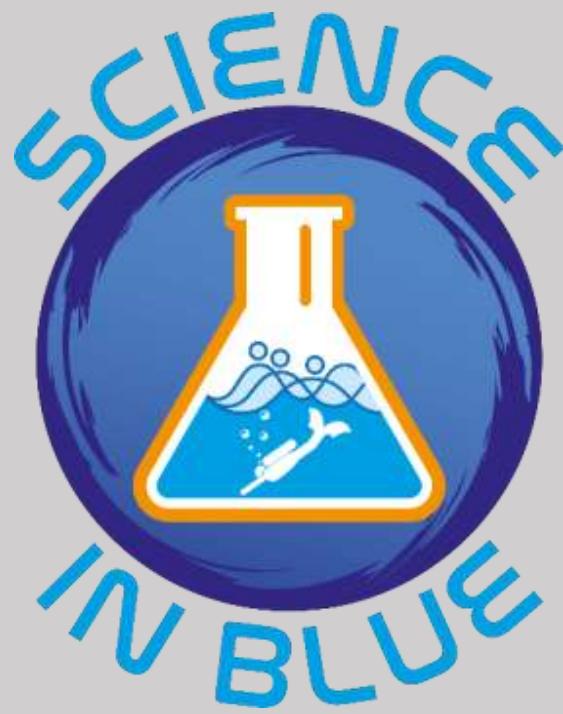
Dr. Ceyda Öztosun
Polonya Bilimler Akademisi, Arkeoloji-Etnoloji
Enstitüsü
Akdeniz Üniversitesi İletişim Fakültesi





AÜ Kemer Sualtı Arkeolojisi Araştırma Merkezi





AKDENIZ UNIVERSITY, FACULTY
OF ART
DEPARTMENT OF
RESTORATION AND
CONSERVATION OF CULTURAL
HERITAGE

AKDENIZ UNIVERSITY,
MEDITERRANEAN
CIVILIZATIONS RESEARCH
INSTITUTE
DIVISION OF UNDERWATER
CULTURAL HERITAGE





Araştırmacılar Okulda



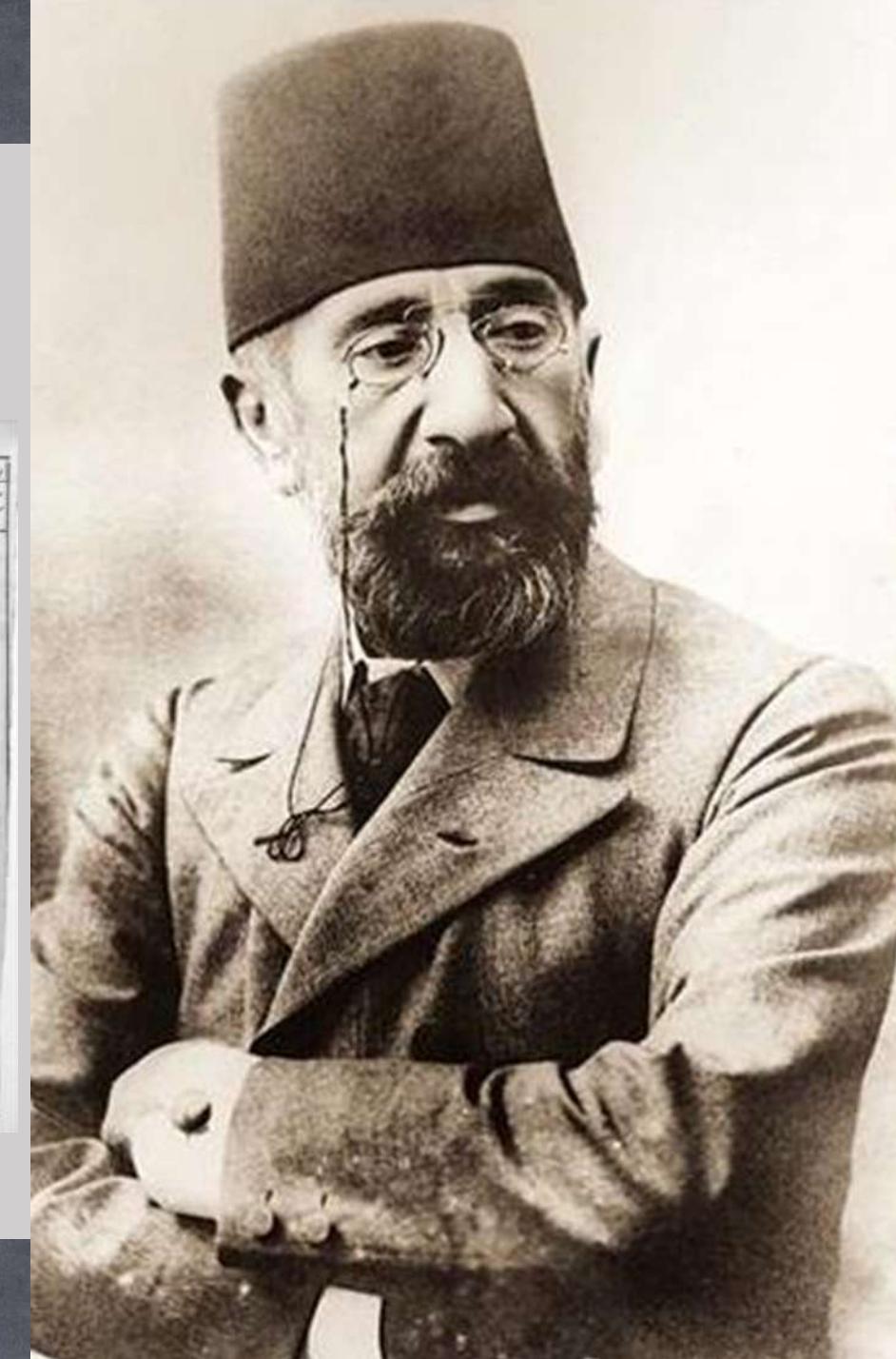
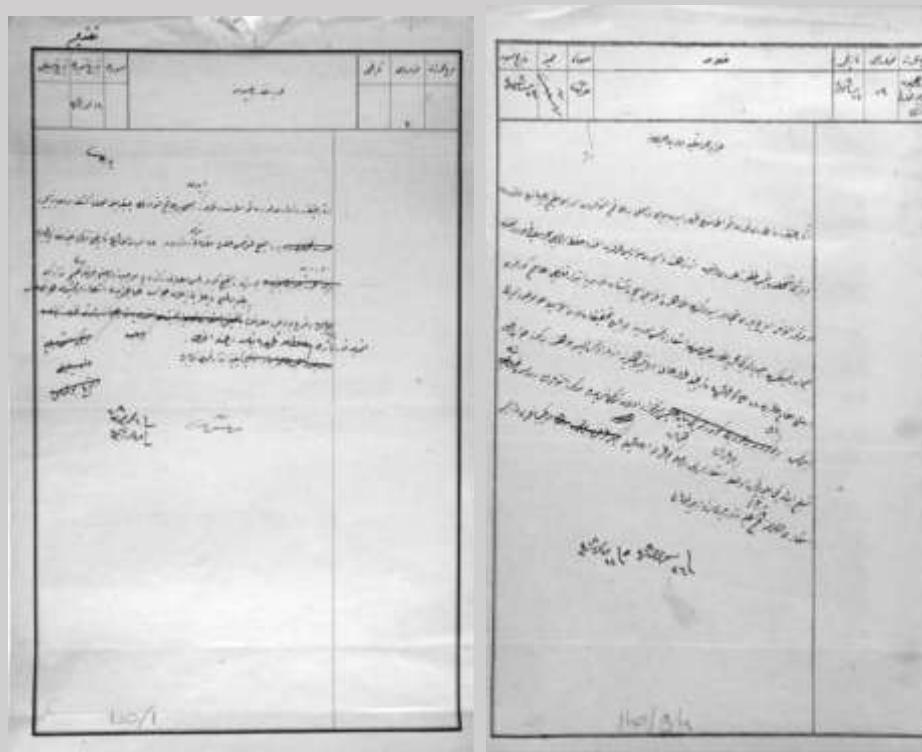
SUALTI KÜLTÜR MİRASI NEDİR?

SUALTI ARKEOLOJİSİ NEDİR?



Funded by
the European Union

OSMAN HAMDİ BEY (1842-1910)





Araştırmacılar Okulda



Arkeo – 25 m. Scientific Research Ship



UPL – 38 m. Scientific
Research Ship



Funded by
the European Union



Araştırmacılar Okulda



Funded by
the European Union



Araştırmacılar Okulda



RECOMPRESSION
CHAMBER in UPL
RESEARCH SHIP



Funded by
the European Union



Araştırmacılar Okulda



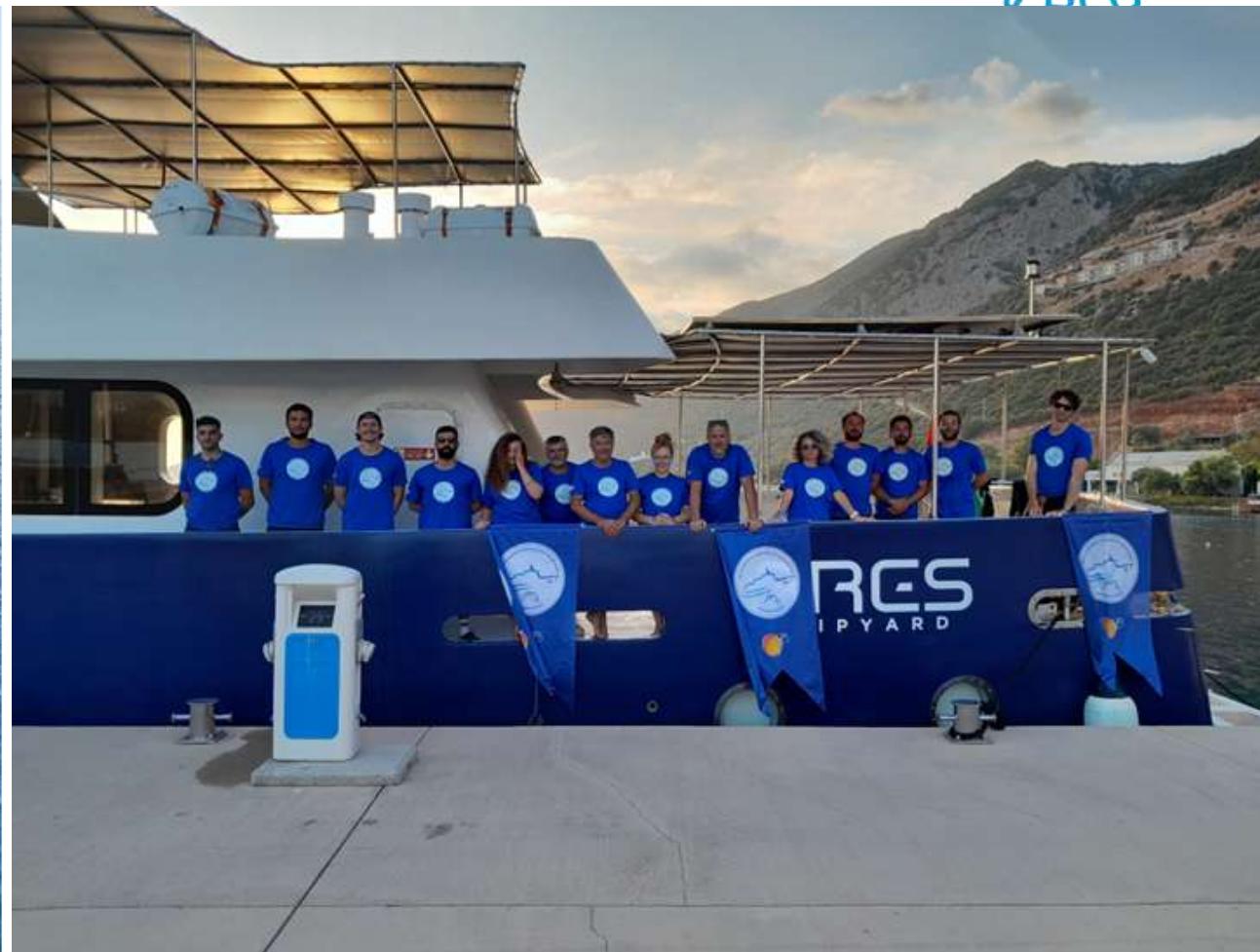
LABORATORY
in UPL RESEARCH
SHIP



Funded by
the European Union



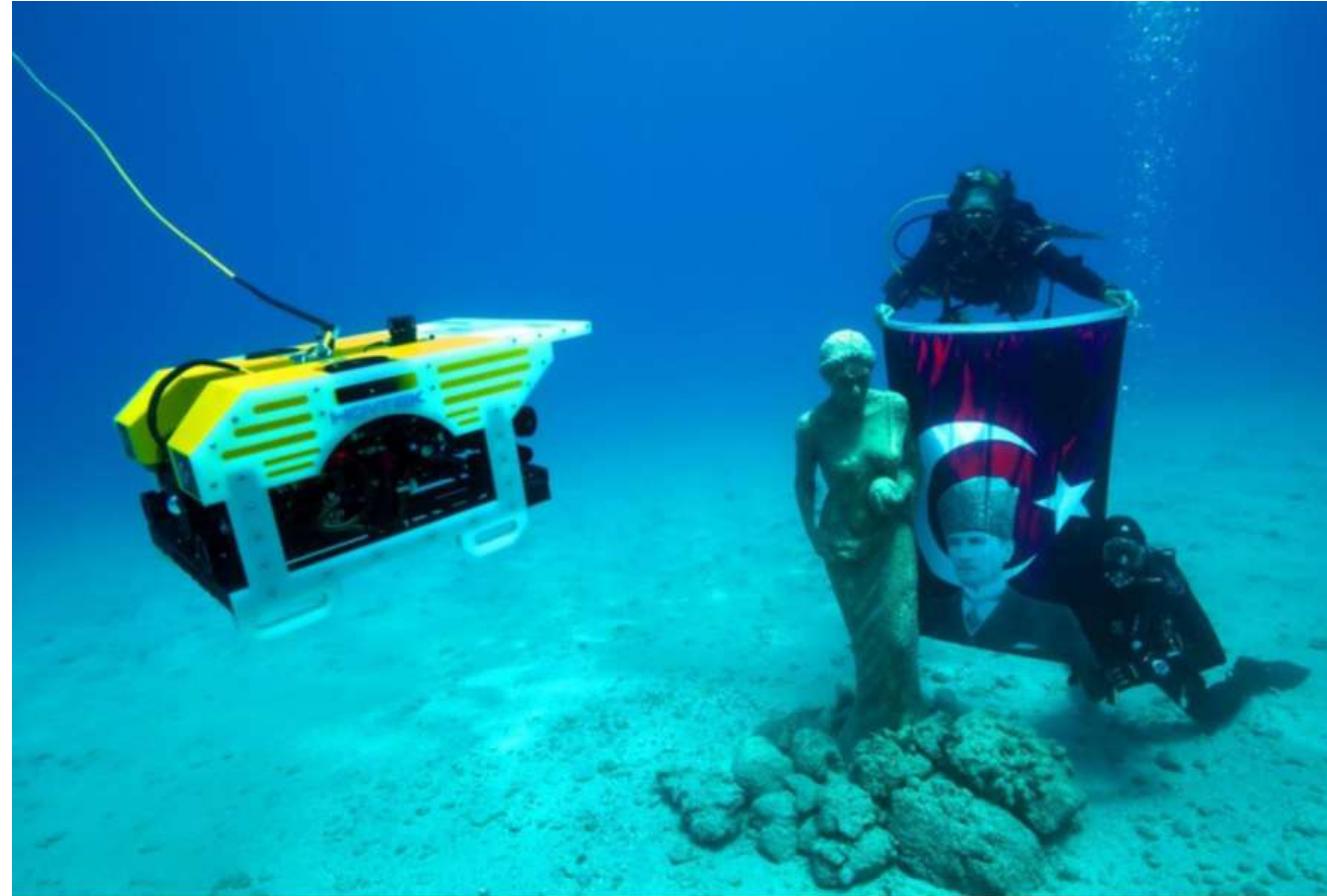
Araştırmacılar Okulda



Funded by
the European Union



Araştırmacılar Okulda



Senegal, Mozambique, Algeria, Tunisia, Egypt, Cabo Verde, Kenya,
Maritius, Comoros, Cibuti, Madagaskar, Eritre, Gambia, Morocco



Funded by
the European Union



Araştırmacılar Okulda



Professors
are from:
Türkiye,
Portugal,
Italy and
Poland



Funded by
the European Union



Araştırmacılar Okulda



407 Shipwrecks have been found between 2012-2024



Funded by
the European Union

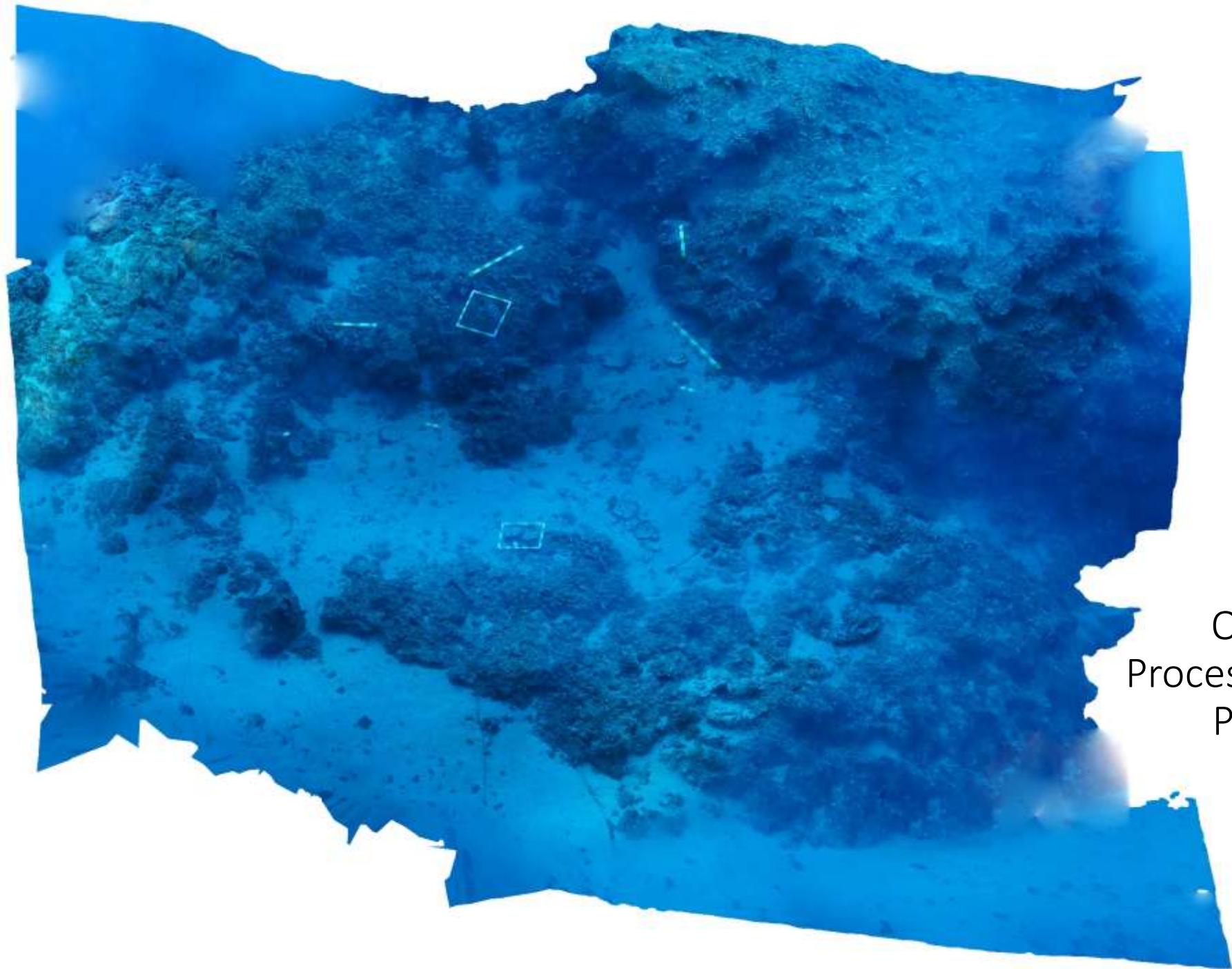


Araştırmacılar Okulda



Adrasan Plate Wreck
(3rd-1st Century
BC.)





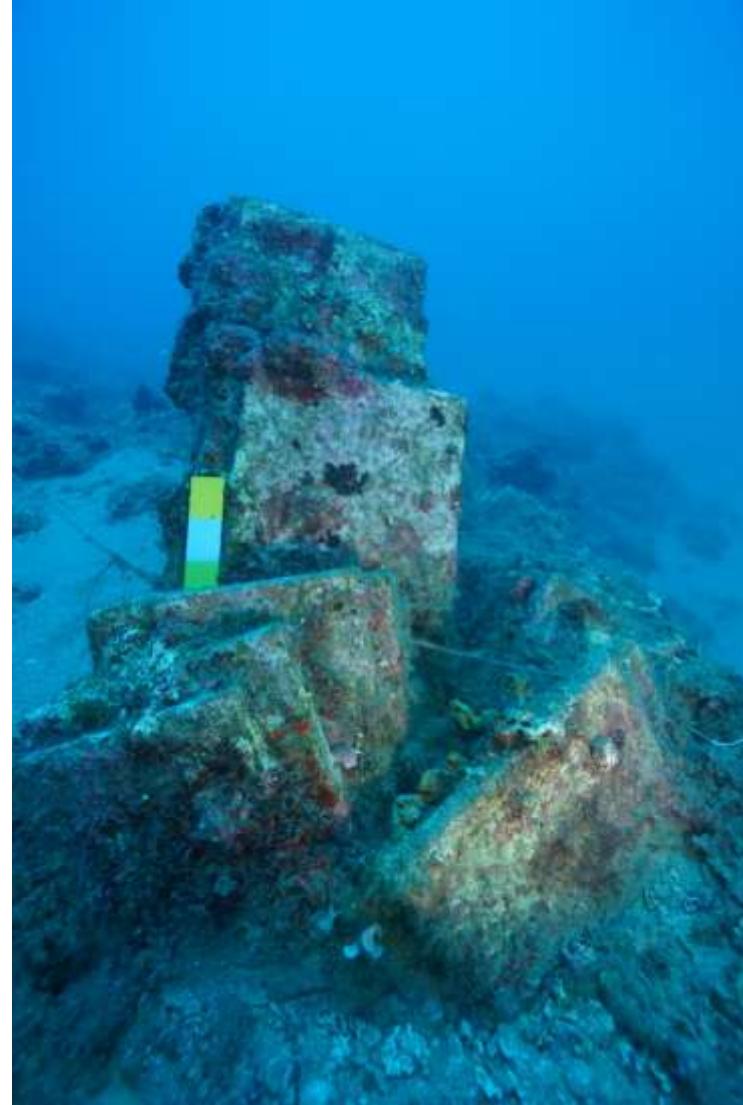
Ortophoto
Processes by Agisoft
Photoscan



Funded by
the Europe



Araştırmacılar Okulda



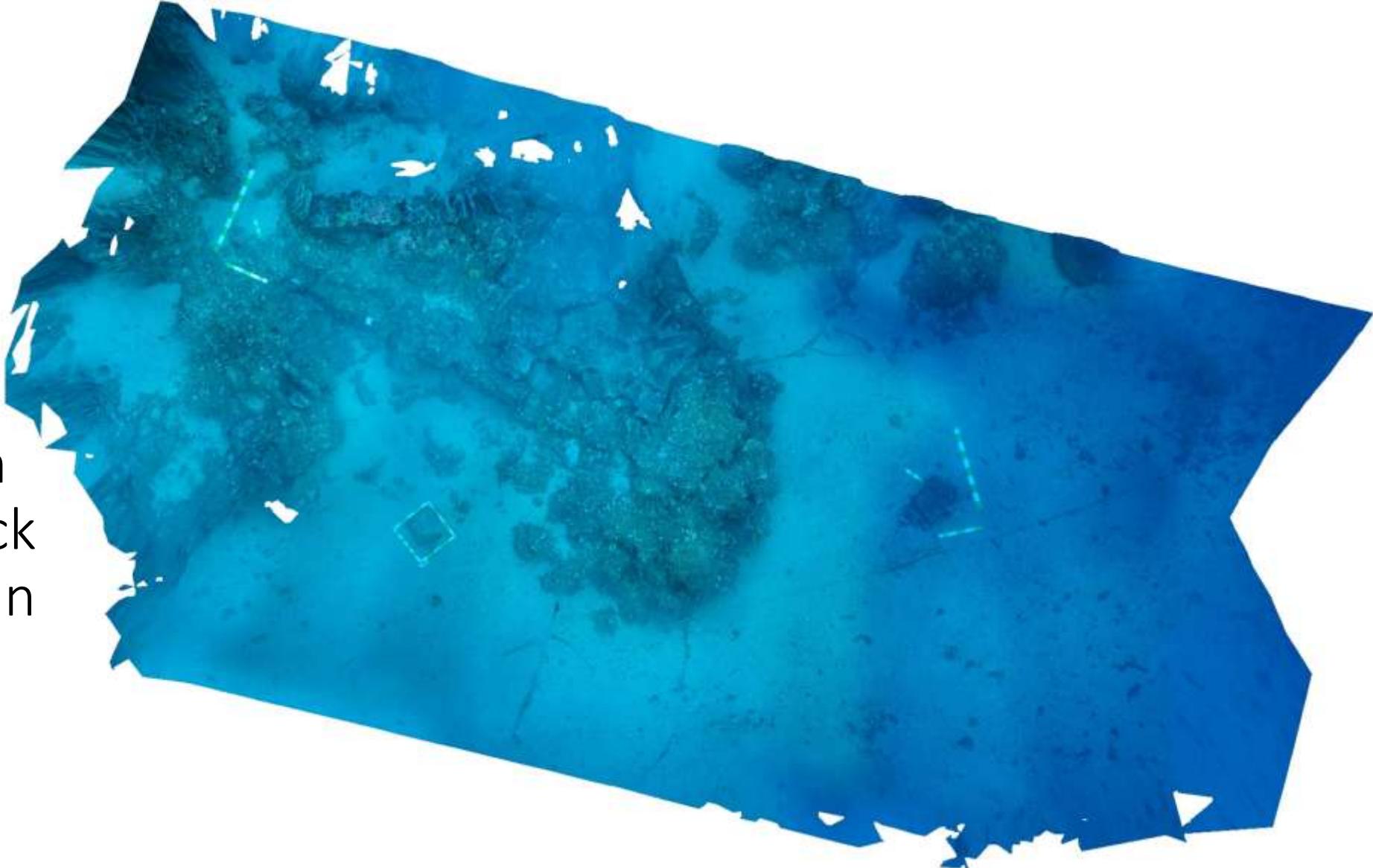
A tile
wreck
from
Adrasan



Funded by
the European Union



Araştırmacılar Okulda



Adrasan
Tile Wreck
Photoscan



Funde
the European Union



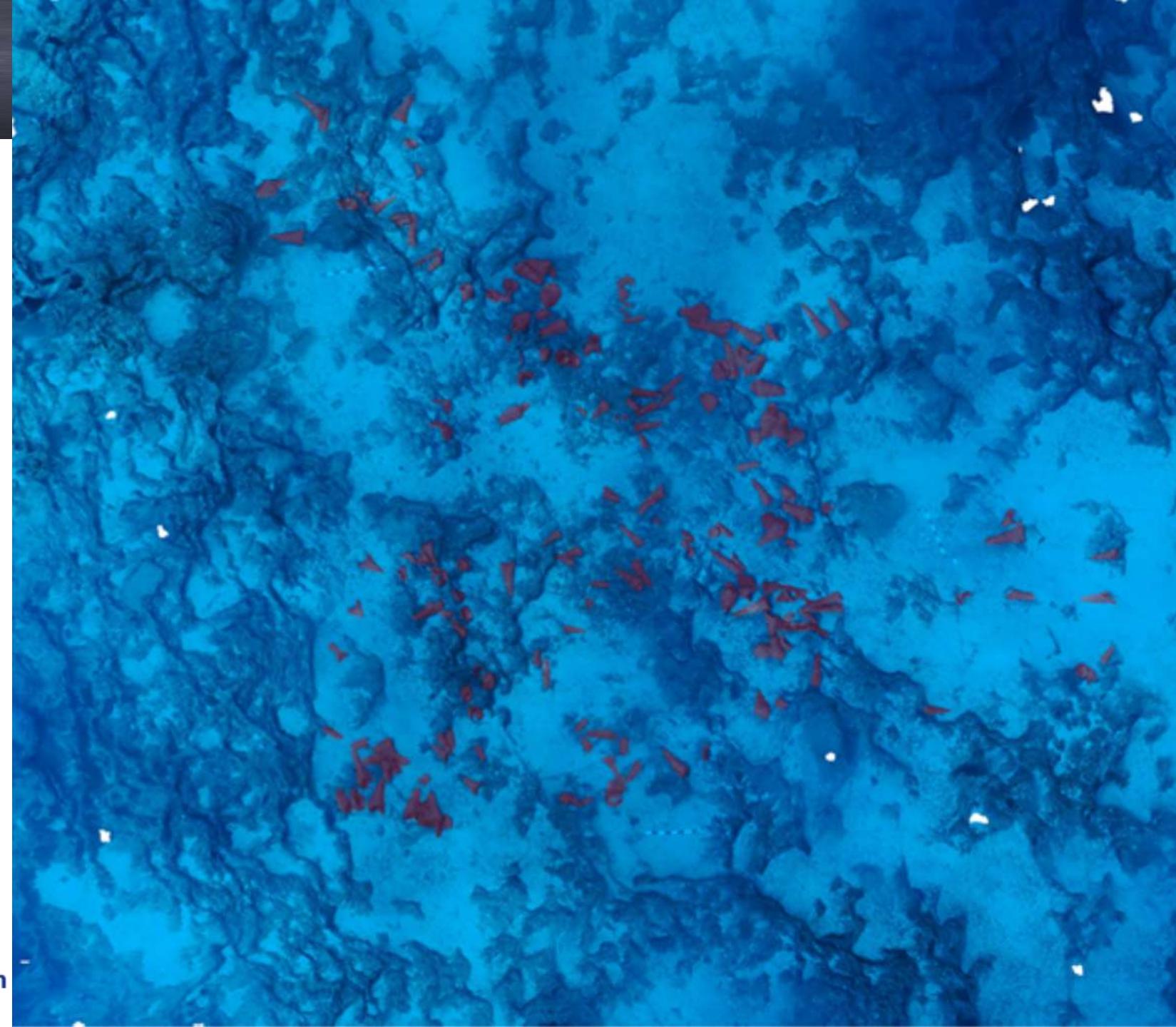
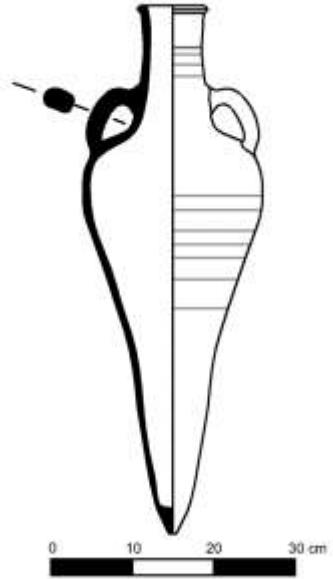
Araştırmacılar Okulda



Shipwrecks of
Kekova Akar
Boğazi



Funded by
the European Union



Kalkan 4th-7th
Century LRA7
Sinope
Amphora
Wreck

Photoscan



Funded by
the European Union



Araştırmacılar Okulda



Submerged sites - earthquakes



Funded by
the European Union



Araştırmacılar Okulda





Araştırmacılar Okulda



Funded by
the European Union

KARA MAĞARA – ÜÇAĞIZLI PALEOLITHIC PERIOD

Antakya Samandağ



Araştırmacılar Okulda



A Project for 2025
in the coast of the
Mediterranean of
Türkiye

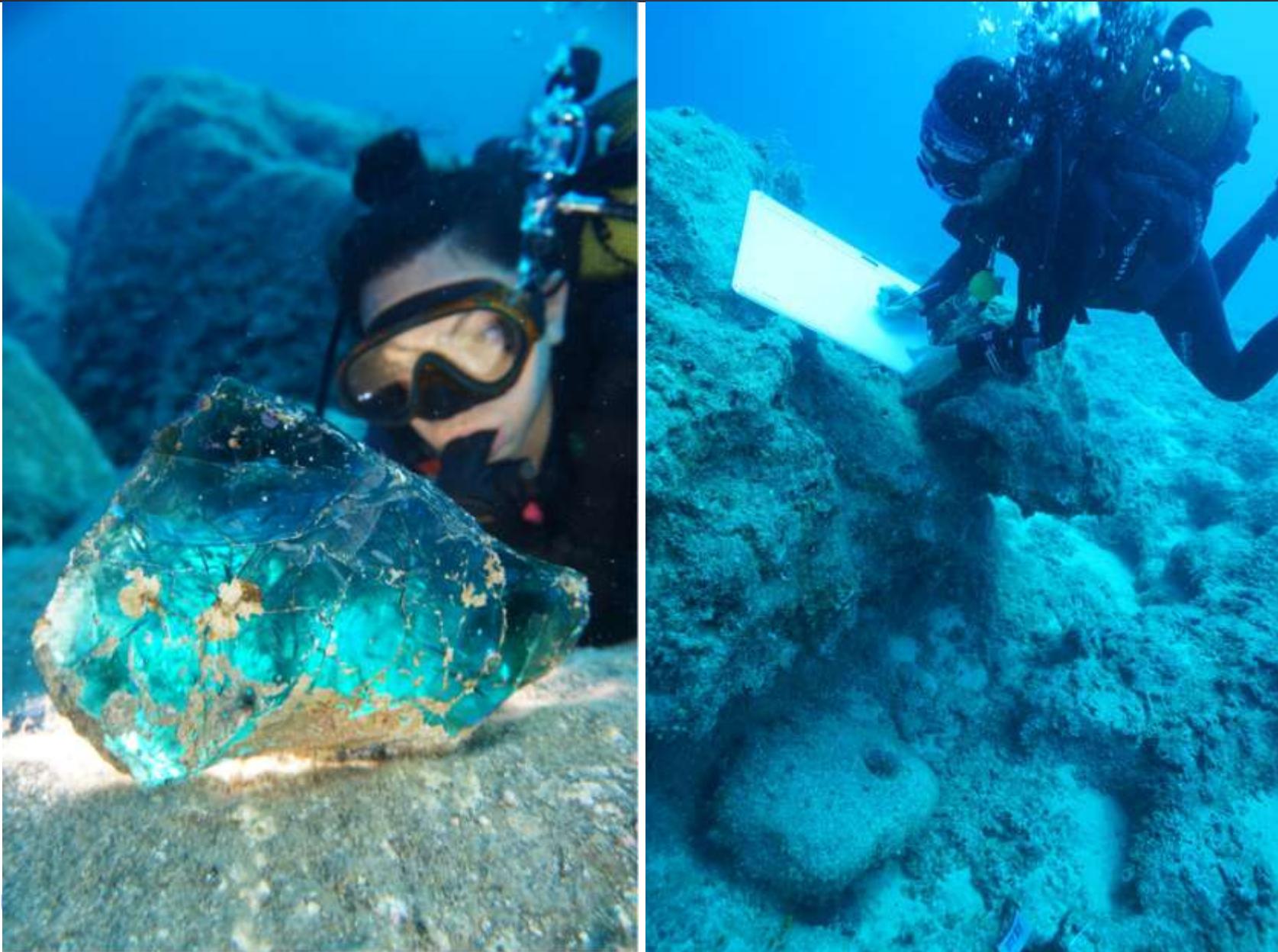
Mersin Coastline



Funded by
the European



Araştırmacılar Okulda



Bronze Age
Stone
Anchors –
Kekova Akar
Boğazı

Roman Glass
Wreck –
Adrasan



Funded by
the European



Araştırmacılar Okulda



Taş Çipolu
Ahşap
Çapa
ve
Teredo
Navalis
Girmiş
ahşap



Funded by
the European Union



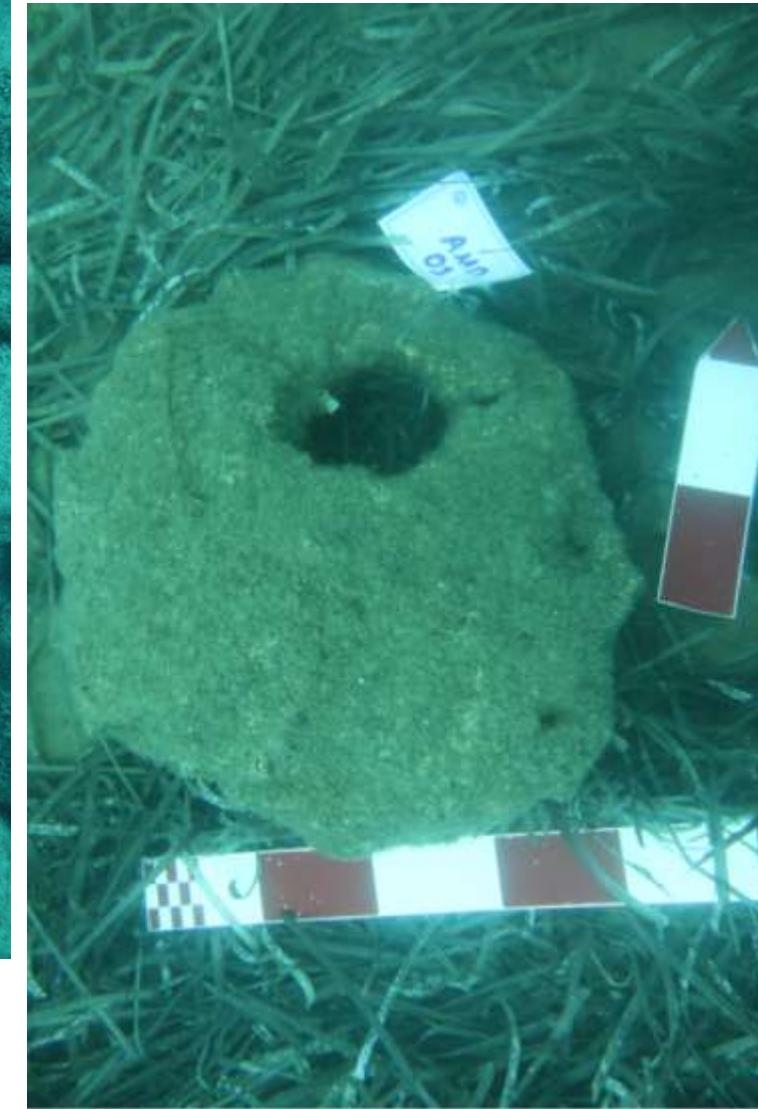
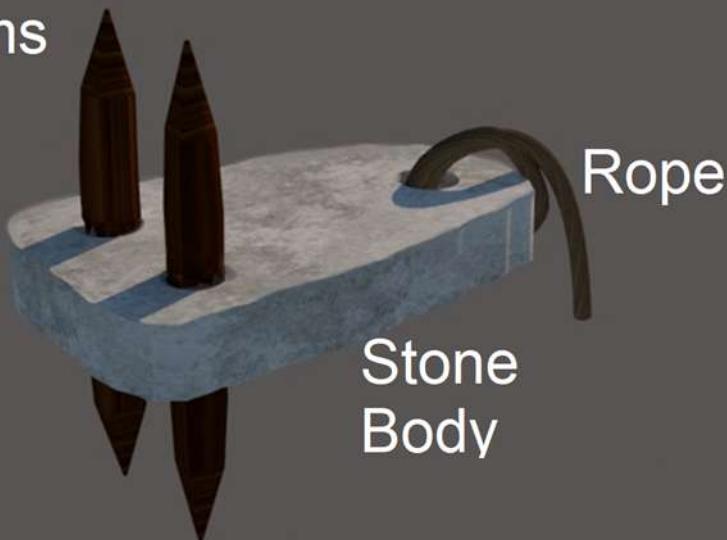
Araştırmacılar Okulda



<http://honorfrostfoundation.org/wp/wp-content/uploads/2017/03/Duncan-Howitt-Marshall-Maritime-Horizons-on-Early-Cyprus-Interim-Report-1.pdf>



Wooden Arms



Funded by
the European Union

Tunç Çağı Taş Çapaları



Araştırmacılar Okulda



Iron Age
Stone
Stocks - Kaş
Two Holed
stone
anchors -
Kekova



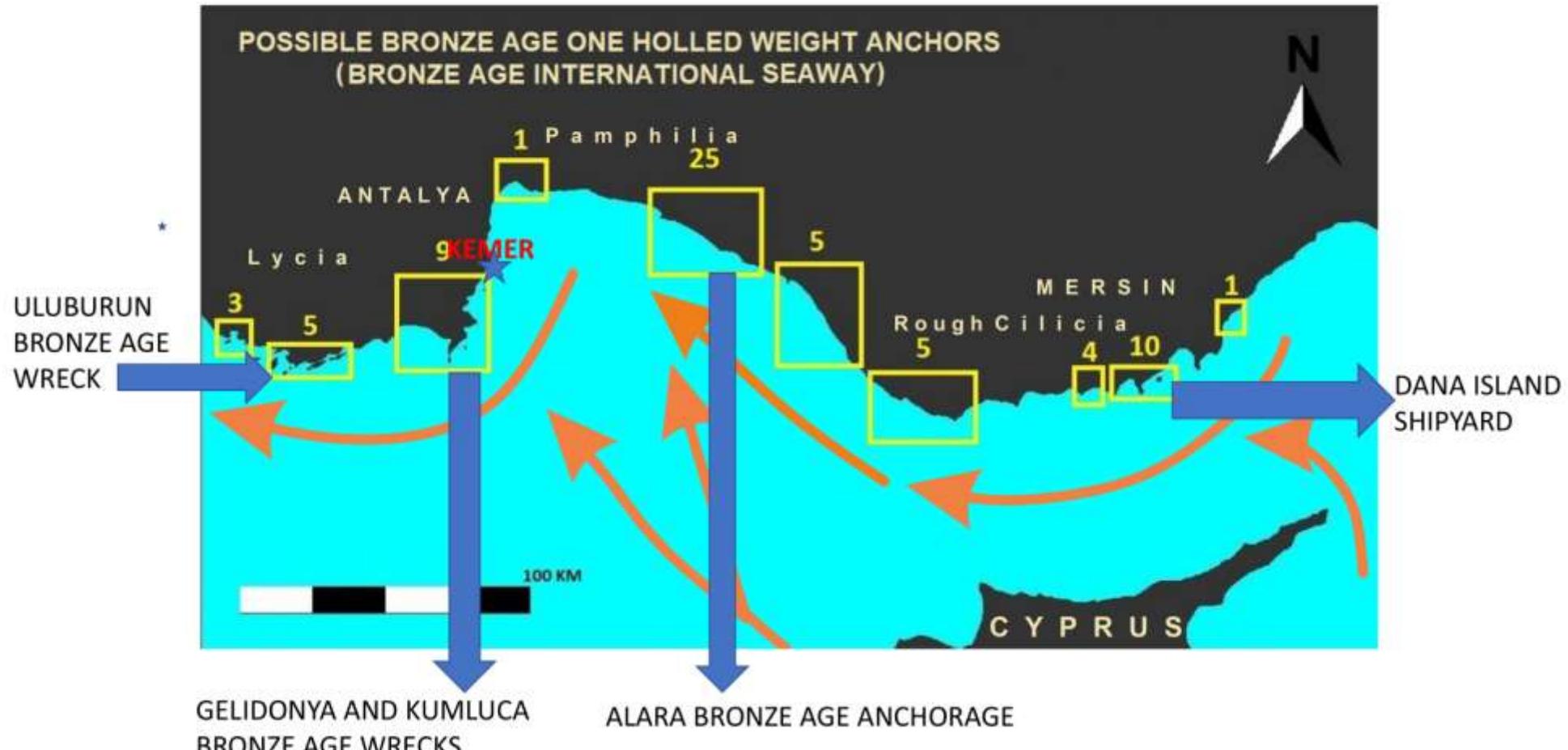
Funded by
the European Union



Araştırmacılar Okulda



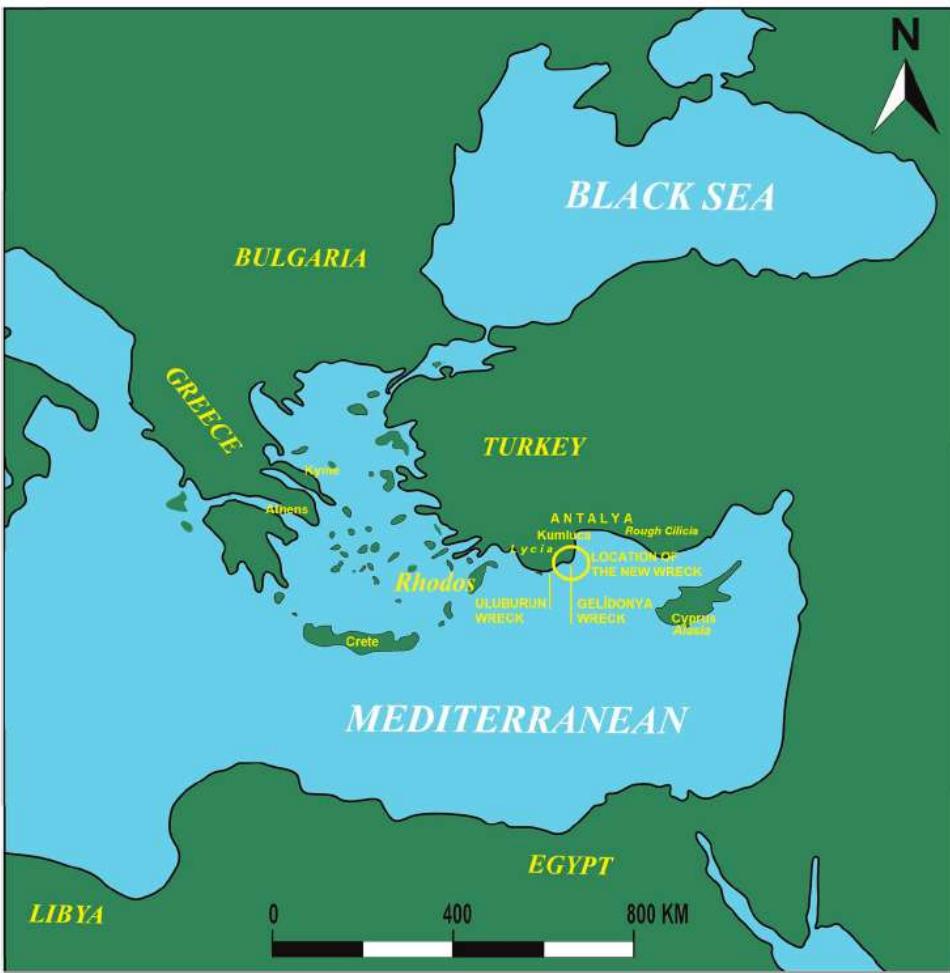
Bronze Age Sea Routes in the frame of stone anchors and known wrecks



Funded by
the European Union



Araştırmacılar Okulda



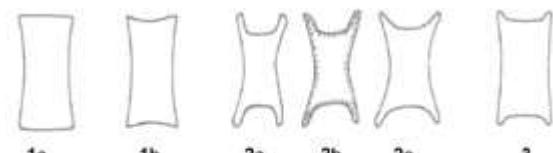
**Kumluca
Orta Tunç
Çağı Batığı
2018 Yılında
Belgelenmiş
tir**



Funded by
the European Union



Araştırmacılar Okulda



BUCHHOLZ/BASS OXHIDE INGOT TYPES
From: Bass, 1967: 53, Fig 55

«pillow shaped»
copper ingots
1 New York
Metropolitan
Museum
4 Athens
National
Museum

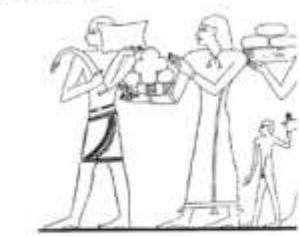


Funded by
the European Union



Araştırmacılar Okulda

TABLE 1



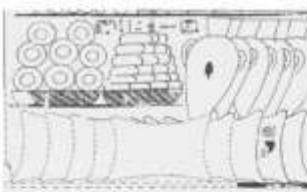
TOMB OF USERAMON AT THEBES
Reign of Hatshepsut or Thutmose III (1490 - 1436 BC)
(Bass, 1967: 63, Fig. 66)
(Poppe, 2014: 202, Fig. 18)



TOMB 159 AT THEBES
Reign of Hatshepsut or Thutmose III (1490 - 1436 BC)
(Bass, 1967: 62, Fig. 62)



THE TOMB OF PUDEMRE
Reign of Thutmose III (1479 - 1425 BC)
(Davies, 1922: 257)



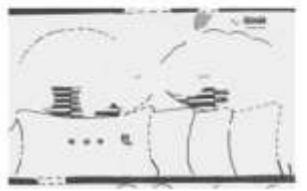
THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XLVIII)



THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl LIII)



THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XXII)



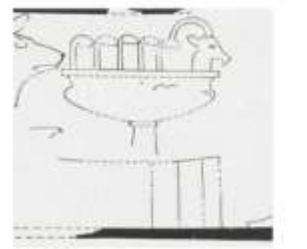
THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XXI)



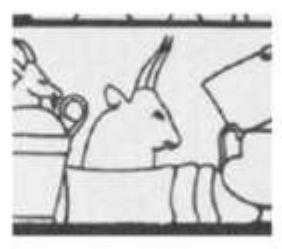
THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XXII)



THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XX)



THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XVIII)



THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XXII)



THE TOMB OF REKH-MI-RE
Reign of Thutmose III (1471 - 1448 BC)
(Davies, 1943: pl XIX)

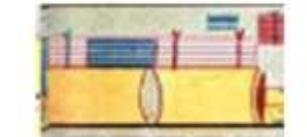
TABLE 2



PAINTINGS FROM THE TOMB OF REKH-MI-RE
Reign of El II, Thutmose (1475 - 1448 BC)
(Davies, 1935: pl III-V-XII.)



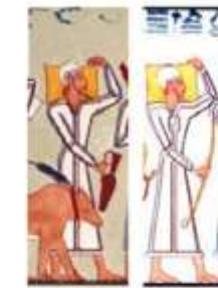
FROM A TOMB AT THEBES
Reign of El II, Thutmose (1471 - 1448 BC)
(Haskins, 1885: 234)



FROM A TOMB AT THEBES
Reign of El II, Thutmose (1471 - 1448 BC)
(Haskins, 1885: 234)



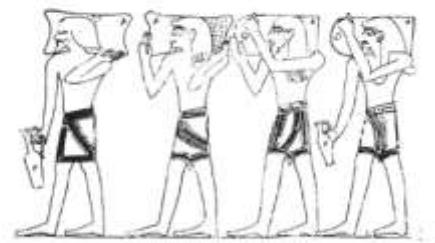
FROM A TOMB AT THEBES
Reign of El II, Thutmose (1471 - 1448 BC)
(Haskins, 1885: 238)



FROM A TOMB AT THEBES
Reign of El II, Thutmose (1471 - 1448 BC)
(Haskins, 1885: 232)



FROM A TOMB AT THEBES
Reign of El II, Thutmose (1471 - 1448 BC)
(Haskins, 1885: 228)



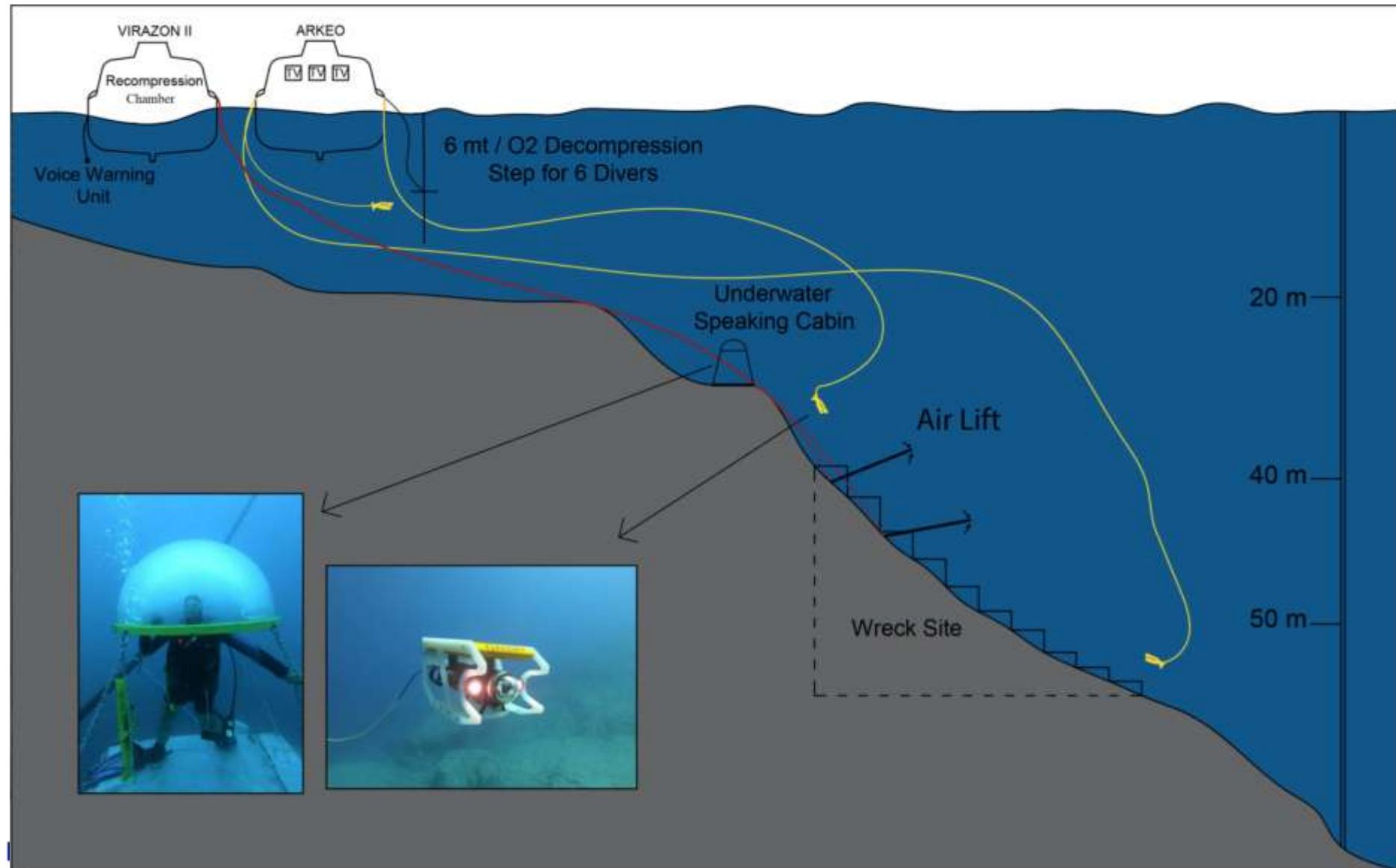
TOMB OF AMEN-EM-GEF AT THEBES
Reign of Amenophis I (1441 - 1397 BC)
(Bass, 1967: 65, fig. 78)



TOMB OF HEMU AT THEBES
Reign of Thutmose IV (1433 - 1397 BC)
(Bass, 1967: 66, fig. 79)



Araştırmacılar Okulda



Funded by
the European Union



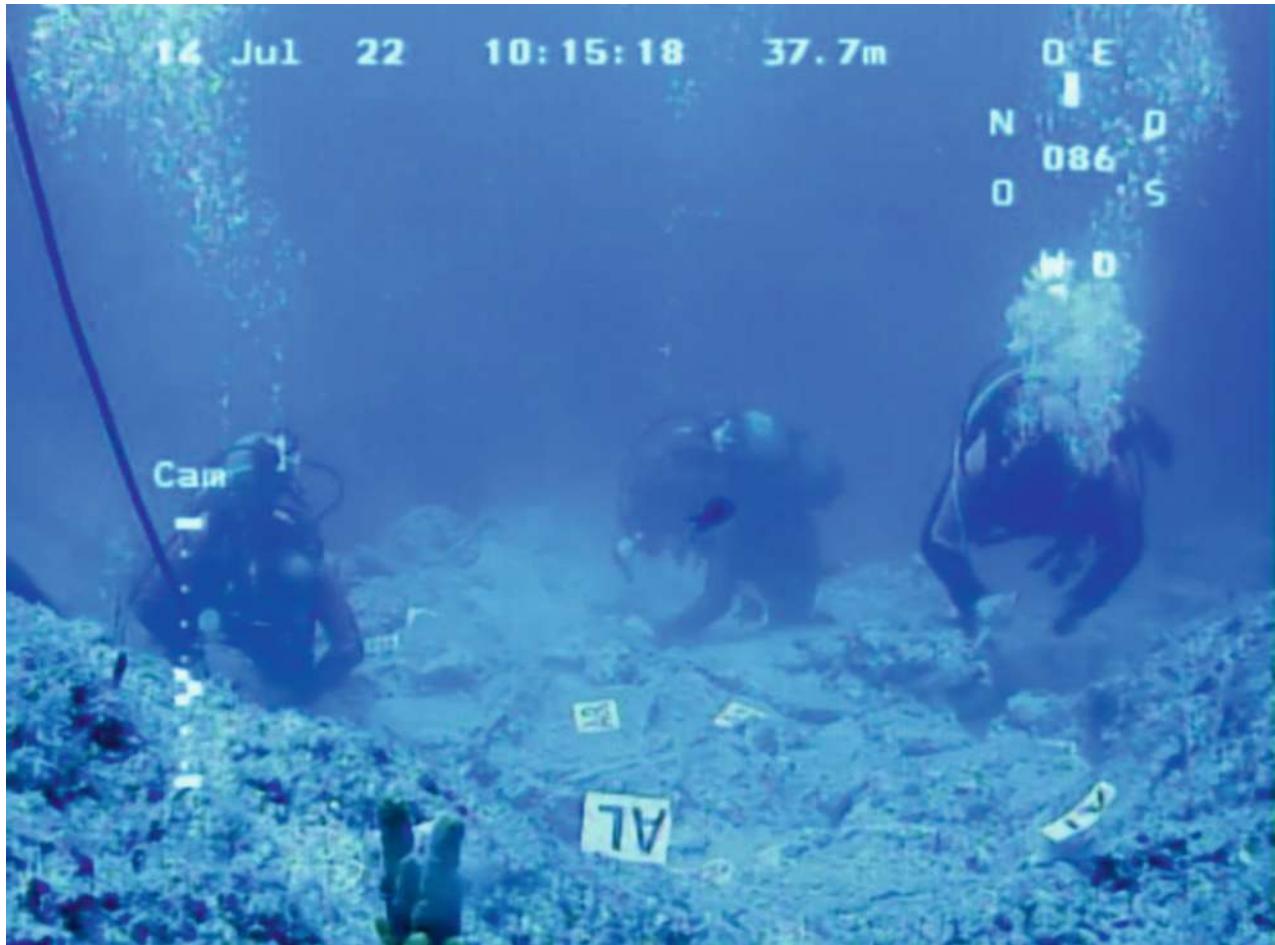
Araştırmacılar Okulda



Funded by
the European Union



Araştırmacılar Okulda

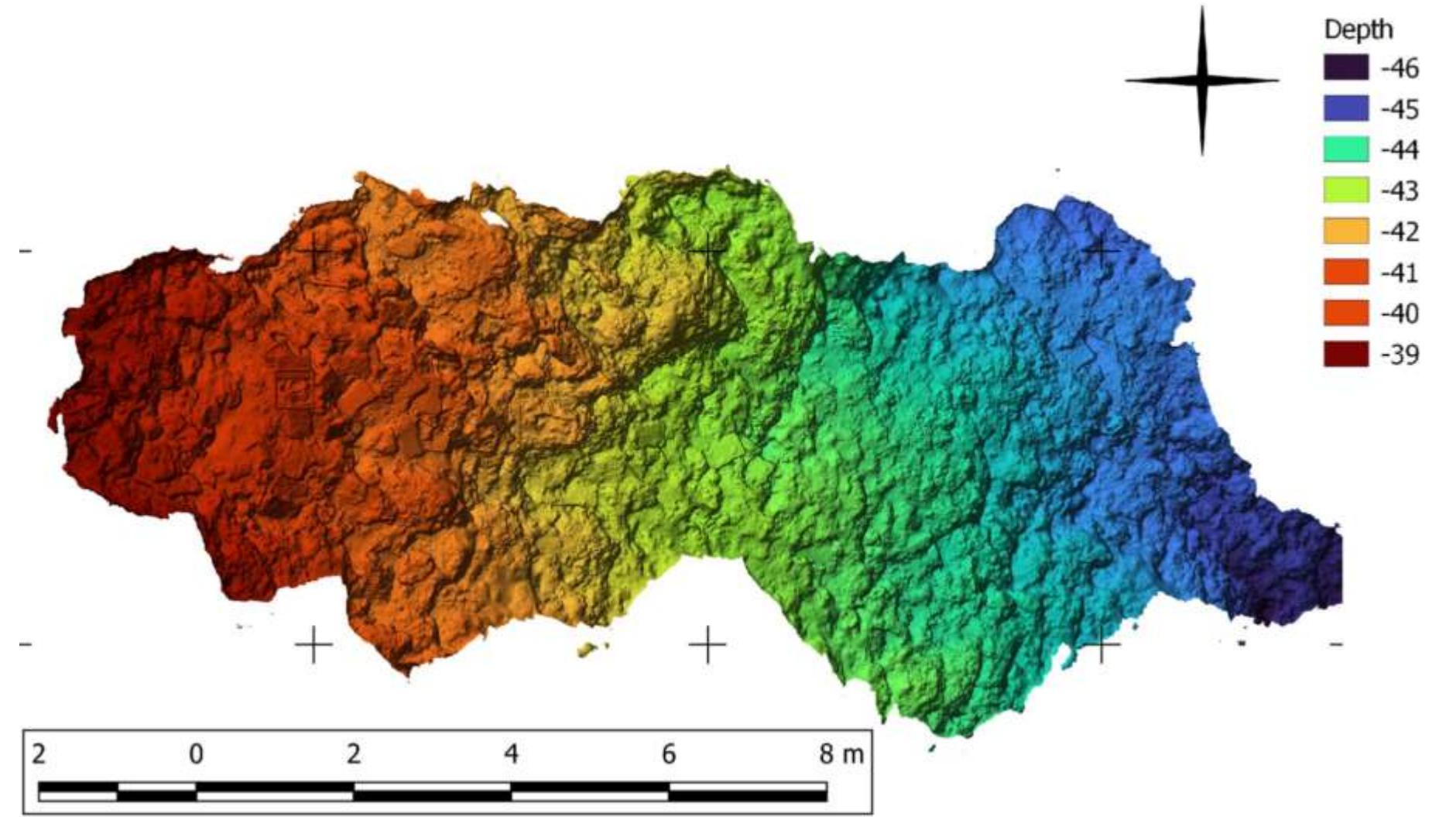


Funded by
the European Union

Robot (ROV) Kullanımı



Araştırmacılar Okulda



Funded by
the European Union





Araştırmacılar Okulda



Funded by
the European Union

- Film Aslan Balığı



- Film Ahtapot





Araştırmacılar Okulda



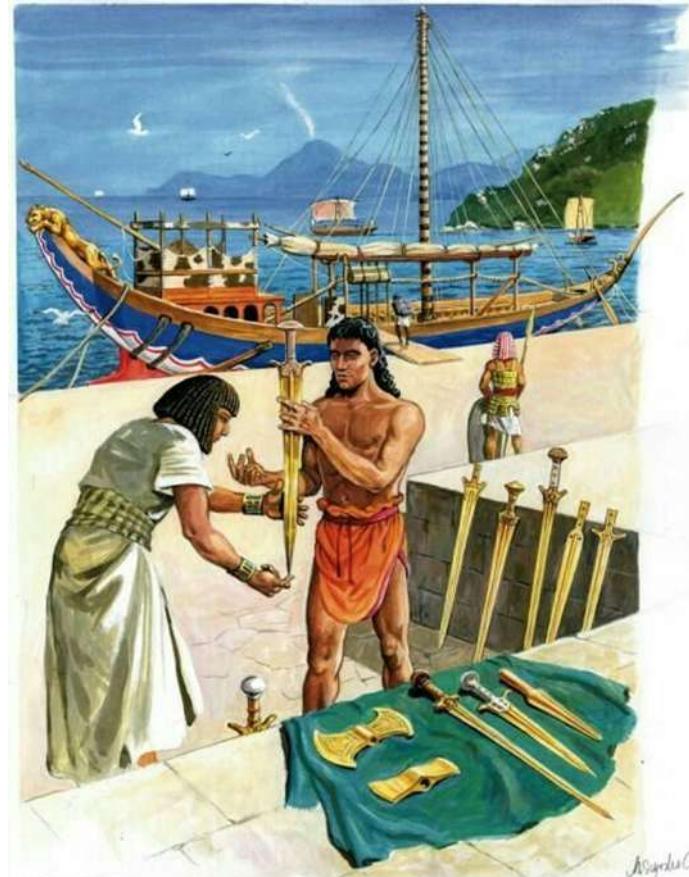
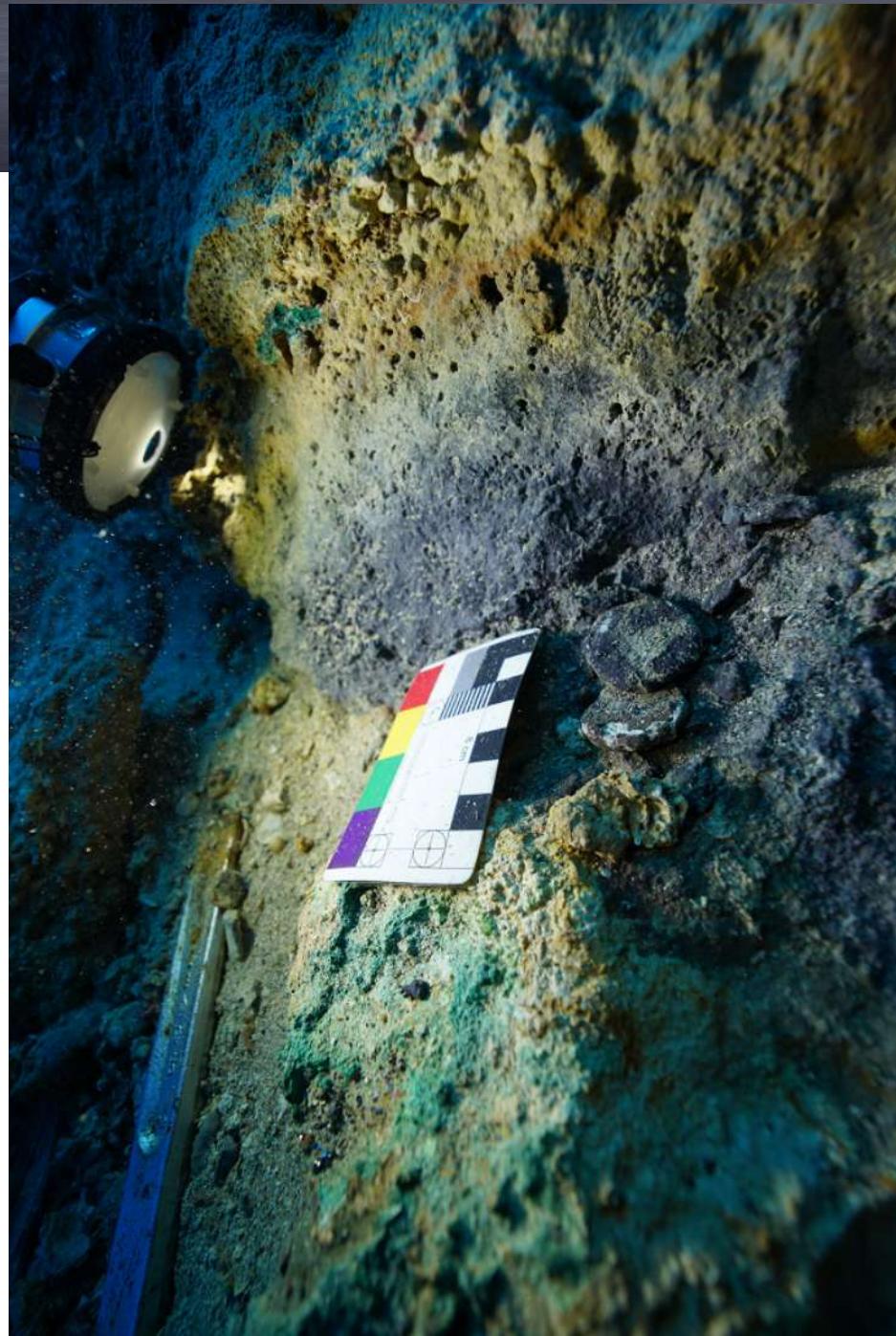
Funded by
the European Union



Araştırmacılar Okulda



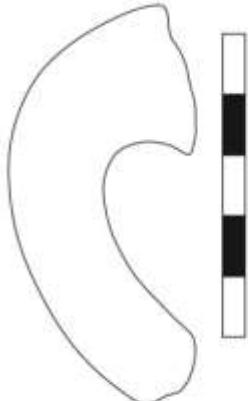
Funded by
the European Union



<https://jp.pinterest.com/pin/142215300721100103/>



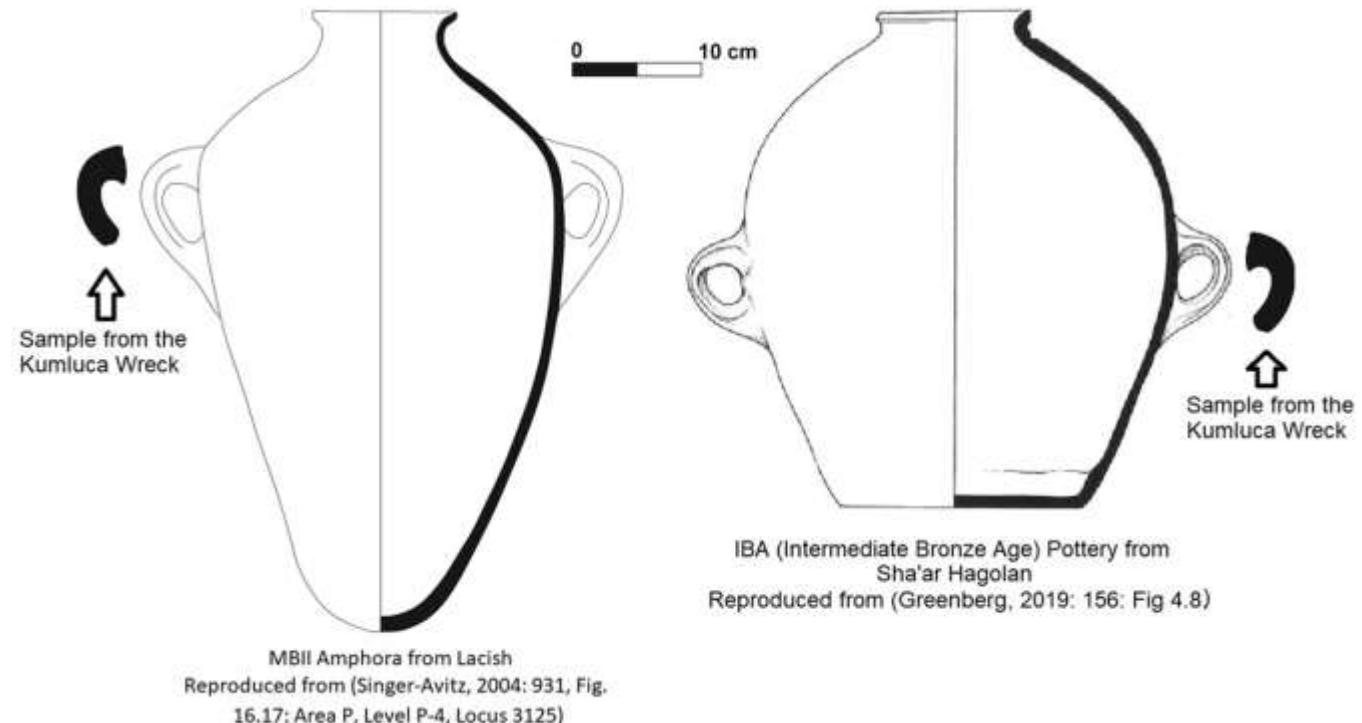
Funded by
the European Union



A

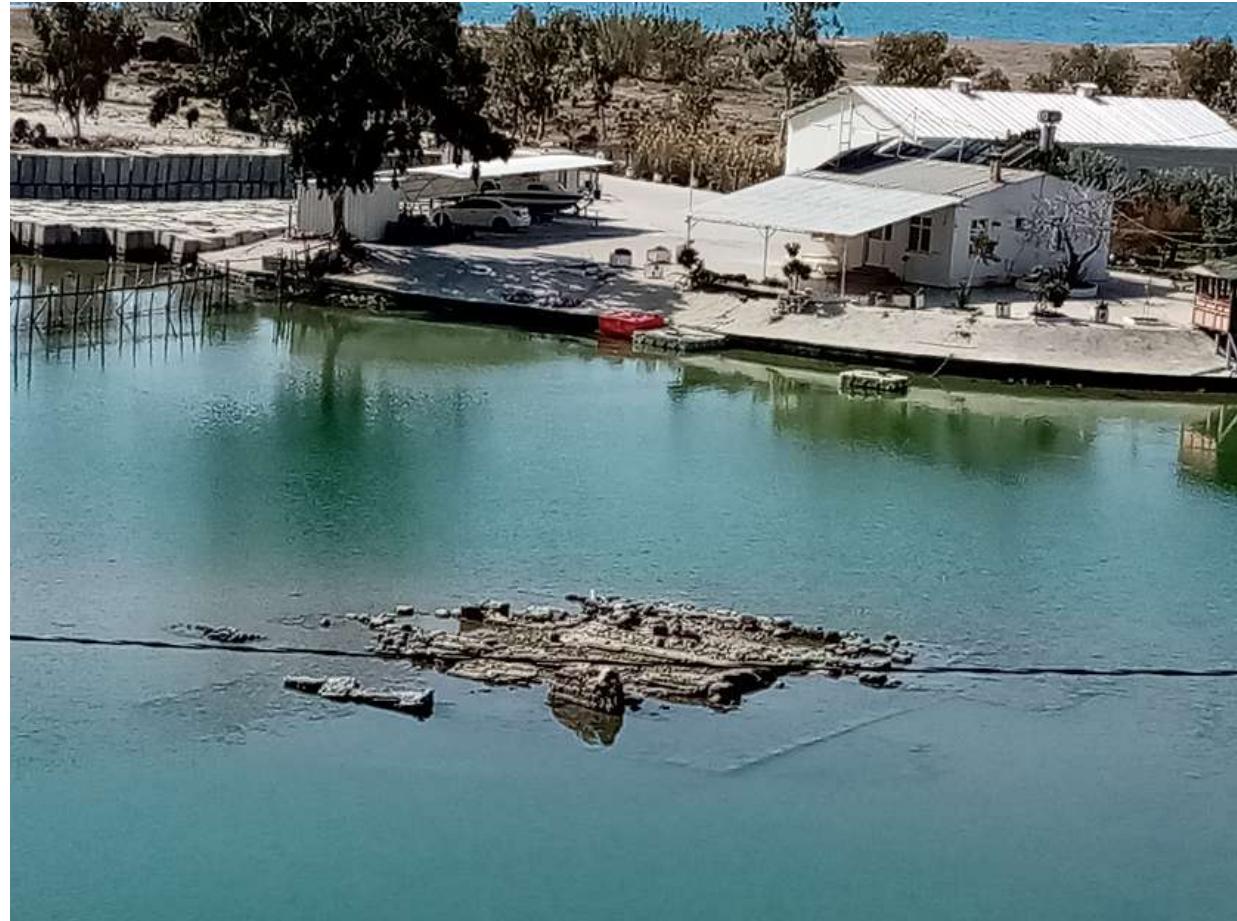


B





Araştırmacılar Okulda

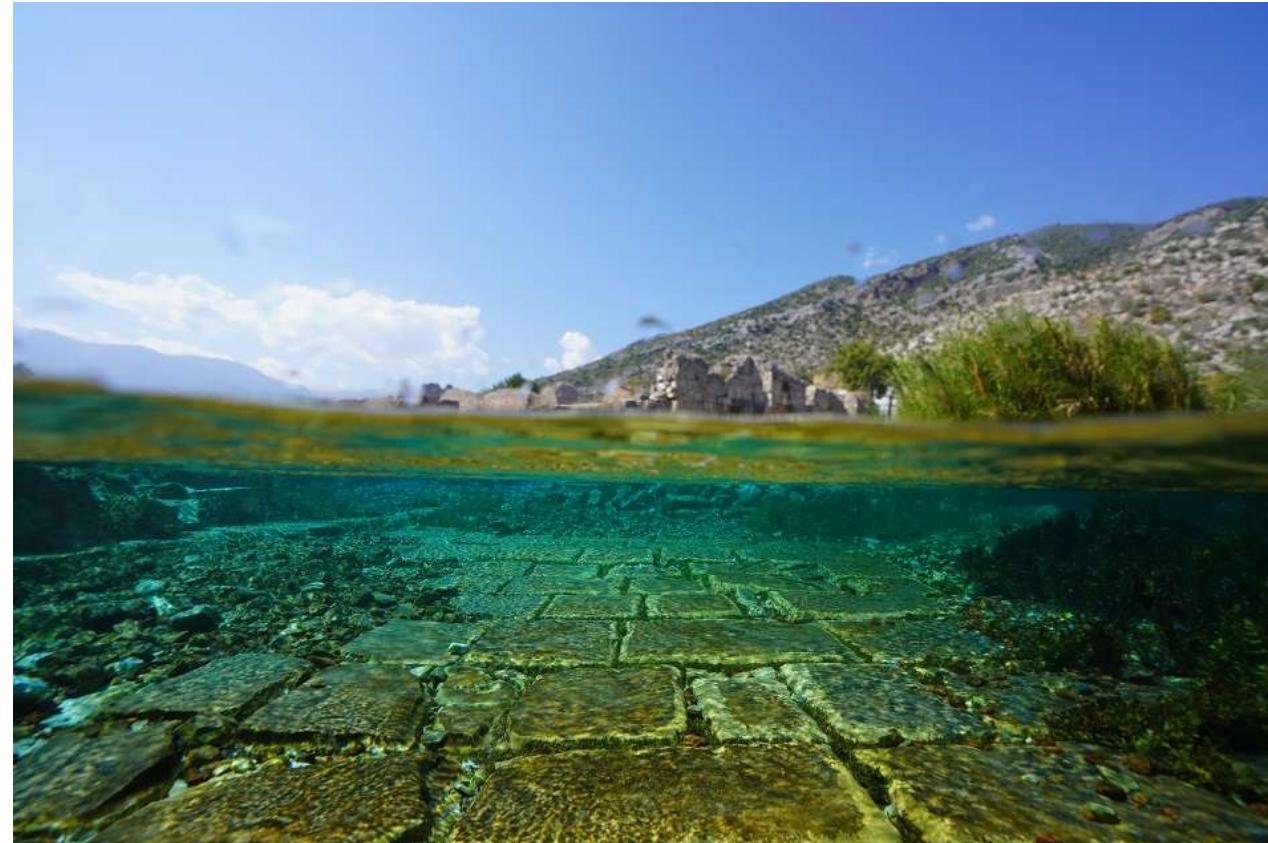
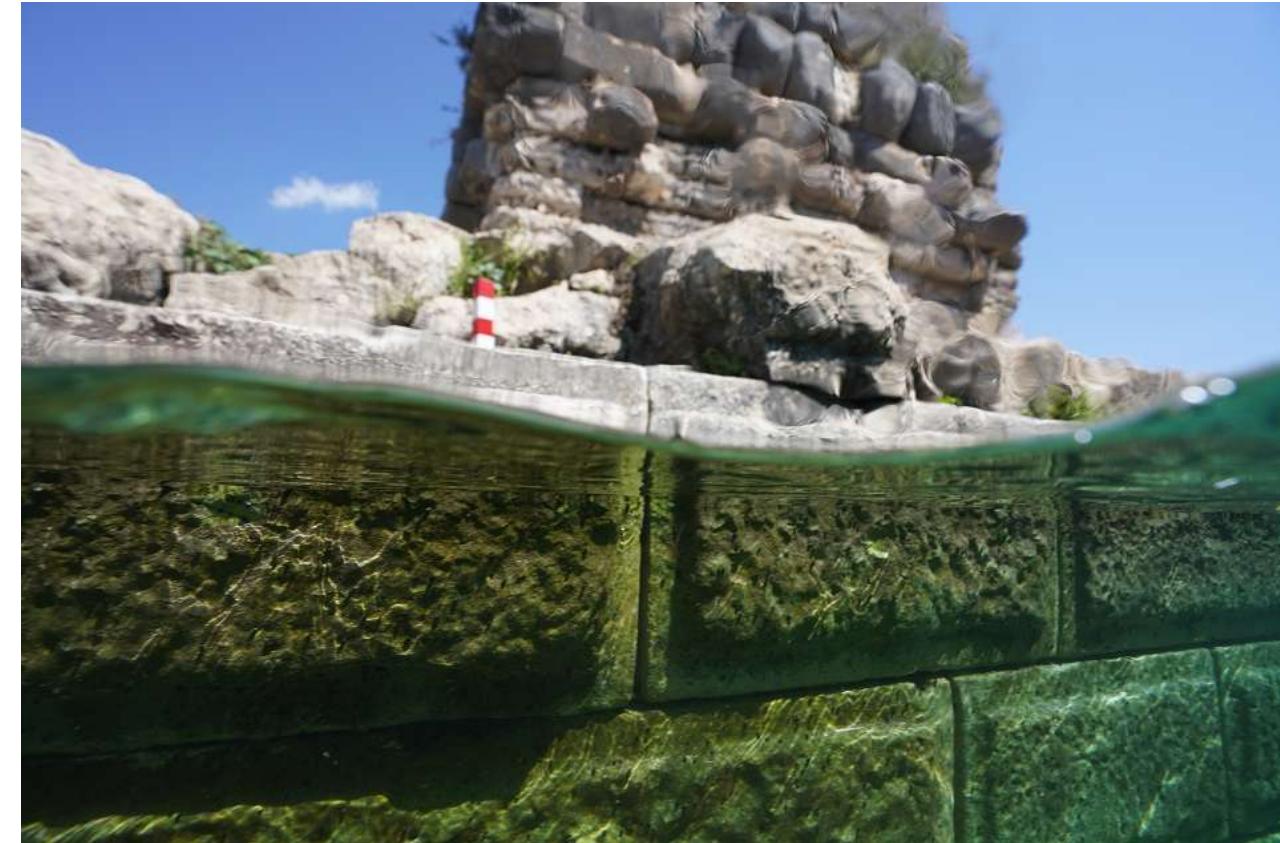


Funded by
the European Union

Demre Beymelek Gölü – Batık Roma Hamamı



Araştırmacılar Okulda



Funded by
the European Union

Lymra Antik Kenti – Kenotaph / Sütunlu Cadde



Araştırmacılar Okulda



Funded by
the European Union

SORULARINIZ ?



Araştırmacılar Okulda



Funded by the European Union.

ScienceinBlue Avrupa Birliği tarafından finanse edilmektedir. Ancak ifade edilen görüş ve fikirler yalnızca yazarlara aittir ve Avrupa Birliği'nin veya European Research Executive Agency (REA)'nin görüşlerini yansıtmayabilir. Bunlardan ne Avrupa Birliği ne de hibeyi veren REA sorumlu tutulamaz.



Funded by
the European Union



WHEN SCIENTIST GO UNDER THE WATER

scienceinblue.eu

Teşekkür ederiz

Bizi sosyal medyada takip edin!



Funded by
the European Union

