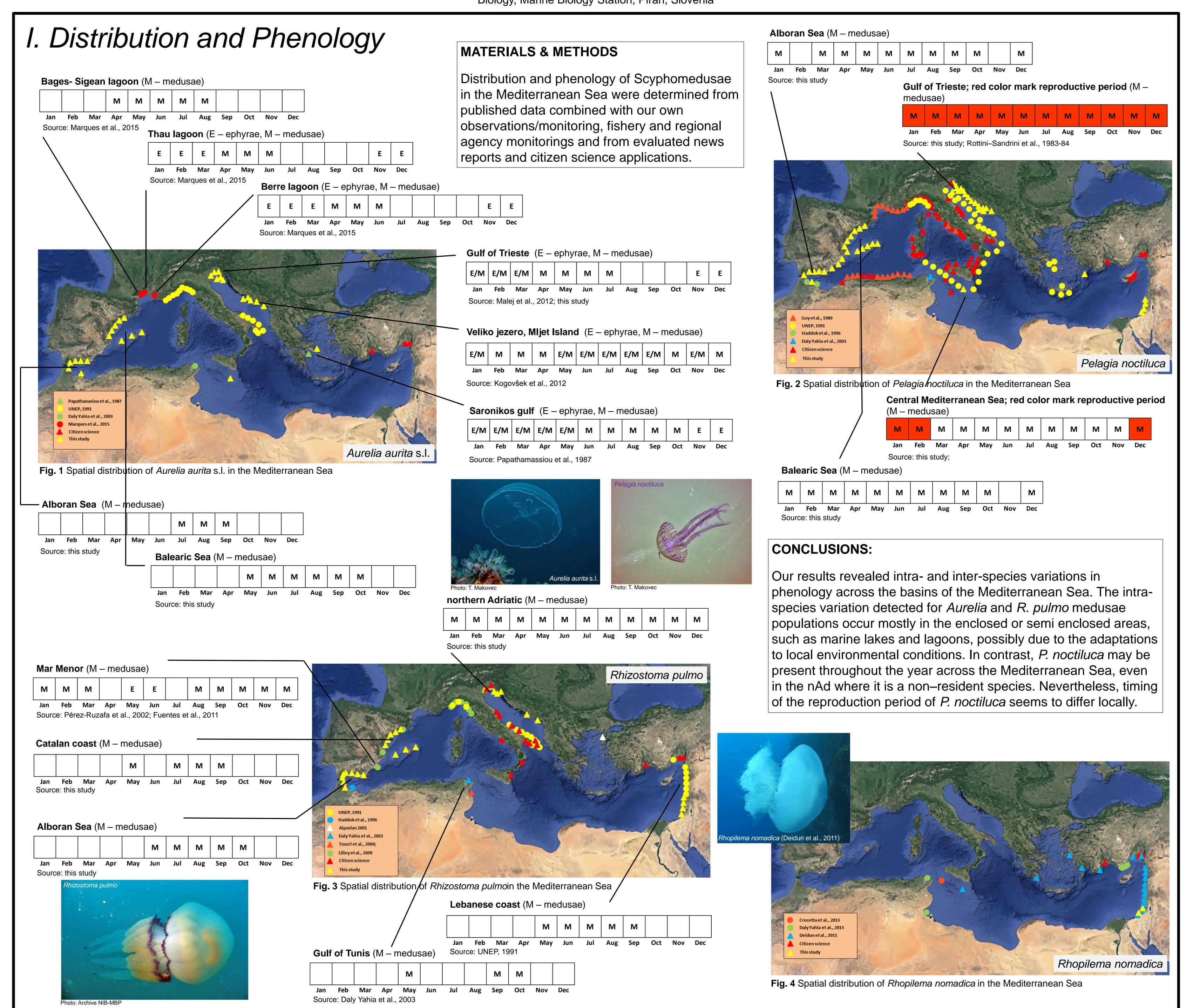
PROGRESS IN UNDERSTANDING SCYPHOMEDUSA OUTBREAKS IN THE MEDITERRANEAN SEA: DISTRIBUTION AND PHENOLOGY

Kogovšek, T.¹, Angel, D.L.², Deidun, A.³, Lučić, D.⁴, Pestorić, B.⁵, Prieto, L.⁶, Tirelli, V ⁷., Vodopivec, M ⁸. and Malej, A.⁸

¹ Graduate School of Biosphere Science, Hiroshima University, Higashihiroshima, Japan, <u>tjasa@hiroshima-u.ac.jp</u>; ² Recanati Institute for Maritime Studies, University of Haifa, Haifa, Israel; ³ Physical Oceanography Research Group, University of Malta, Msida, Malta; ⁴ University of Dubrovnik, Dubrovnik, Croatia; ⁵ Institute of Marine Biology, Kotor, Montenegro; ⁶ Instituto de Ciencias Marinas de Andalucía (ICMAN-CSIC), Cadiz, Spain; ⁷ OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale), Trieste, Italy; ⁸ National Institute of Biology, Marine Biology Station, Piran, Slovenia



II. Coastal visual count of jellyfish

METHOD:

Visual censuses of jellyfish abundance were carried out weekly along three shoreline transects and bi-monthly/monthly along an offshore transect in the Gulf of Trieste, the northern Adriatic Sea (nAd). Visual counting was performed from the shore by walking along the same track of fixed distance in calm weather at the time of the predicted high tide. An observer identified and counted jellyfish along the offshore transect using the same procedure as for coastal transects.

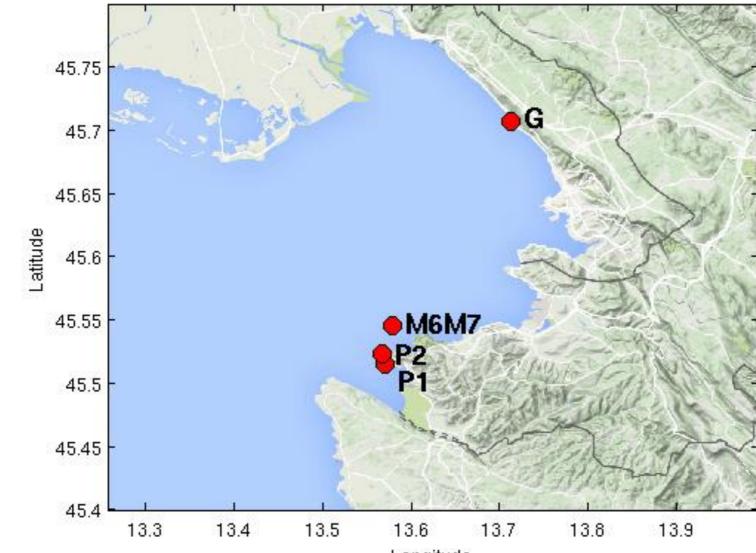


Fig. 5 Location of transects in the Gulf of Trieste, northern

Adriatic Sea

Table 1 Visual count of jellyfish at 3 onshore (P1, P2 and G) and one offshore (M6–M7) transect. A–Aurelia aurita s.l., Rp–Rhizostoma pulmo; N–number

	P 1	P 2	M6-M7	G
N of counts	51	49	20	19
N of species	1	3	4	4
total N of medusae	97	34	351	58
most common species (N_{sp}/N_{tot})	A(4/4)	A (6/9)	A (7/13)	Rp(5/8)

CONCLUSION:

Observations differ between transects. The offshore count gave higher medusae abundances as well as higher frequency of observations than any of the onshore counts.

Literature: Alpaslan M (2001) Succession of Scyphozoa-Ctenophora in the Harbour of Çanakkale Limanmdaki Scyphomedusae (Cnidaria) in Tunis Gulferranean Marine Science. Toology of Medusae and Scyphomedusae (Cnidaria) in Tunis Gulferranean Marine Science.