





avvistAPP

how to get jellyfish sightings by a click!



Valentina Tirelli



OGS

National Institute of Oceanography and Applied Geophysics















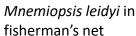






Project NOCE DI MARE







How to monitor the spreading of **Mnemiopsis** in the Gulf of Trieste (nortern Adriatic Sea)?

INFO: Where? When? How many?

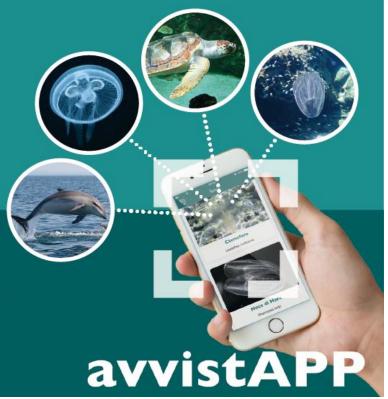




























REGIONE AUTONOMA FRIULI VENEZIA GIULA

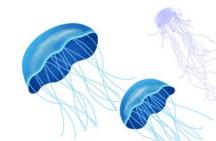
App Store













avvistAPP is a citizen science mobile app, freely available for iOS and Android, and working worldwide. The English version launched in 2020.



Citizens can download the app on their smartphone and send their sightings from everywhere simply by taking a photo with their mobile phone and sending it through the app



20 taxa

Ctenophores, jellyfish, dolphins, turtles, Pinna nobilis, Blue crab



every sighting is validated by researchers



avvistAPP was launched by OGS on 12 July 2019 and till now received more than 1500 sightings



www.avvistapp.it

avvistAPP

APPlicati! e condividi i tuoi avvistamenti in mare. Ctenofori, meduse, tartarughe e delfini: segnalali con avvistAPP e aiutaci a studiarli. Share your sightings of ctenophores, jellyfish, sea turtles and dolphins with a click!











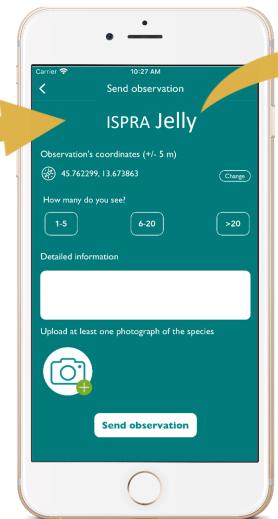


















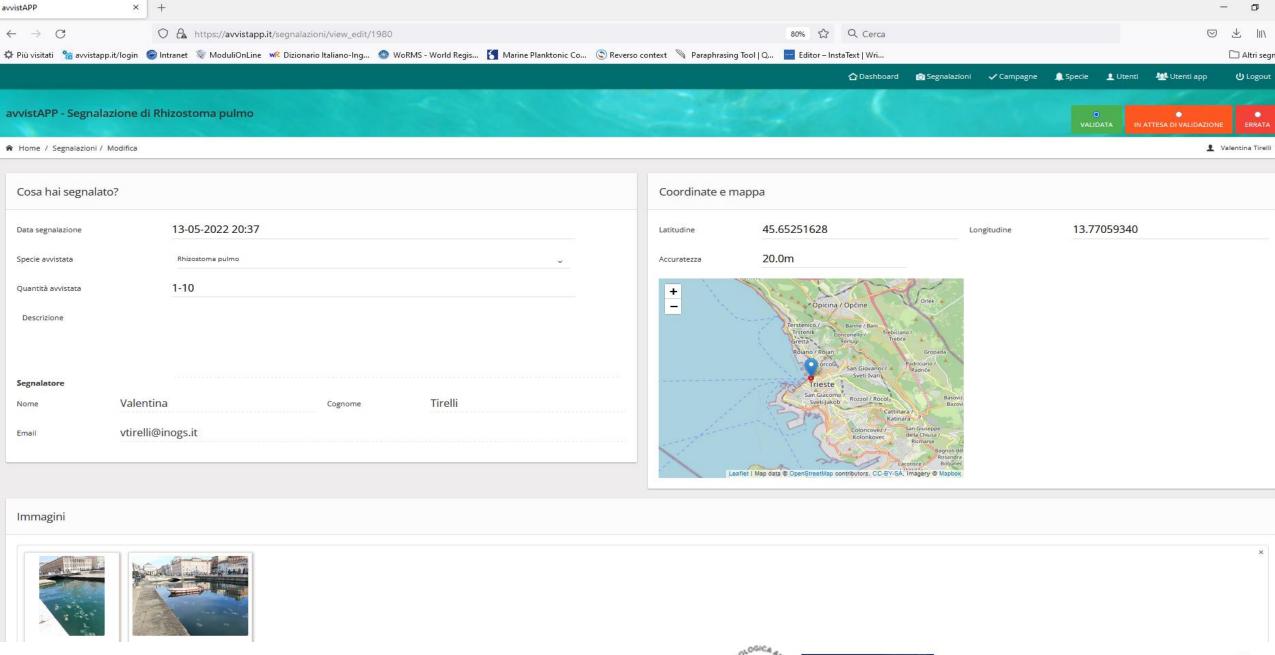




















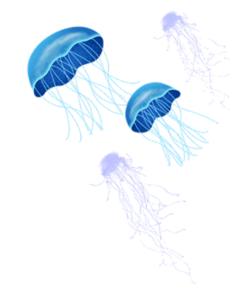




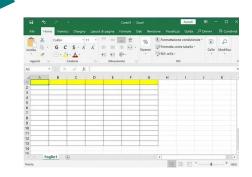


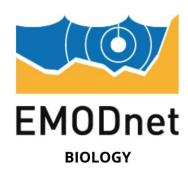












and freely available for all interested people



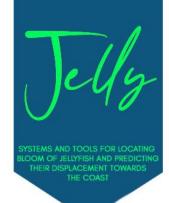






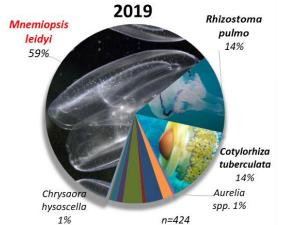


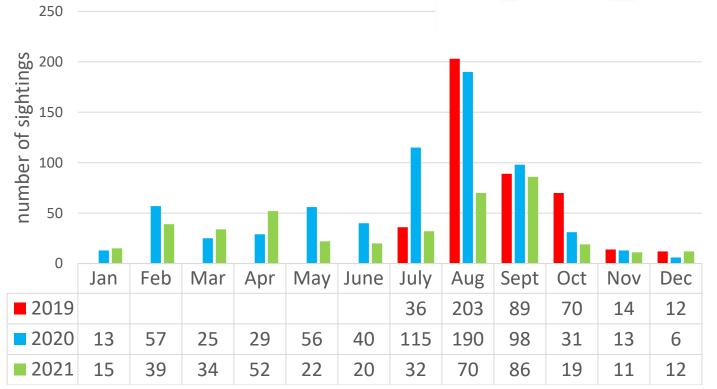


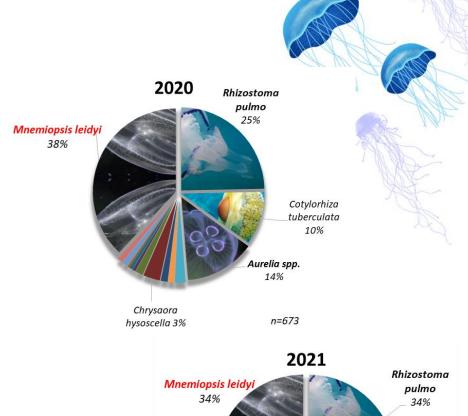


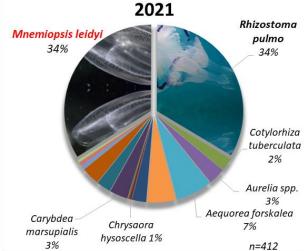




























Citizen science: *Mnemiopsis* in Italian seas











Fig. 14: Sighting localities of Mnemiopsis leidyi along the Apulian coast in summer 2019.

3.2. New records of the invasive alien species Mnemiopsis leidyi along the Apulian coast (Italy, southern Adriatic Sea) collected by crowdsourcing

Valentina TIRELLI and Alenka GORUPPI

Medit. Mar. Sci., 20/3, 2019, 645-656



Aquatic Invasions (2009) Volume 4, Issue 4: 675-680 DOI 10.3391/ai.2009.4.4.13 Journal compilation © 2009 REABIC (http://www.reabic.net)

Short communication

First records of Mnemiopsis leidyi (Ctenophora) from the Ligurian, Thyrrhenian and Ionian Seas (Western Mediterranean) and first record of Phyllorhiza punctata (Cnidaria) from the Western Mediterranean

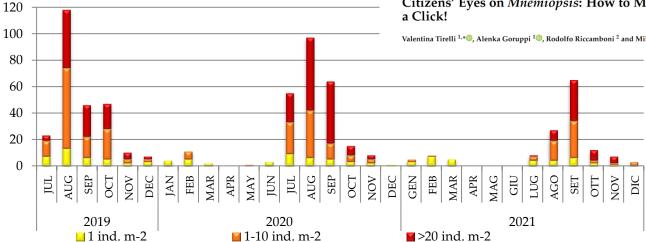
Ferdinando Boero1*, Marco Putti2, Egidio Trainito3, Emanuele Prontera1, Stefano Piraino1 and Tamara A. Shiganova4





Citizens' Eyes on *Mnemiopsis*: How to Multiply Sightings with a Click!

Valentina Tirelli 1,*0, Alenka Goruppi 10, Rodolfo Riccamboni 2 and Milena Tempesta 3



Dati avvistAPP (Tirelli et al.2021)

















STRENGHTS

- It takes advange of the human curiosity for the marine world and the predisponition to use of mobile phone
- Easy to use and free
- Very versatile: useful for monitoring NIS but also many other species

WEAKNESSES

It requires a lot of effort:

- to keep the validation of sightings up to date
- to promote the app and keep citizens interested

OPPORTUNITIES

- A lot of data can be «easly» collected
- Citizens' awareness about marine biodiversity and the problems arising from NIS increases

THREATS

The target audience must be willing to partecipate and must continue to do so over time





















for any question vtirelli@ogs.it











