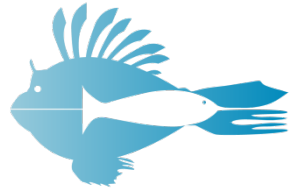




The issue

- Alien species are considered one of the greatest threats for the marine ecosystems, the local economy and the human health worldwide.
- Many studies suggest that alien species are one of the main drivers of biodiversity loss globally. Alien species costs hundreds of billions of dollars each year to local economies.
- Greece is one of the most affected countries with over than 230 alien species recorded.

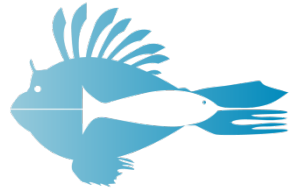


"pick The Alien"



The issue

Records of alien species through citizen science project “Is it alien to you? Share it!!!”



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it tastes good!!

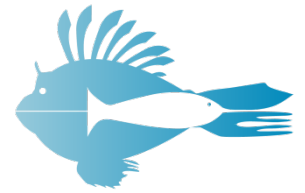


“pick The Alien”

The issue

Negative impact

Marine ecosystem – Economy – Human health



“pick The Alien”



©Manolis Emmanuel Tzortzakakis



Source: <https://www.vice.com/gr/article/qk44m3/to-kinigi-tou-mple-kavouriou-sto-voreio-aigaio>



THE PUFFER FISH
LAGOCEPHALUS SCLERATUS (GMELIN, 1789)
IN THE EASTERN MEDITERRANEAN

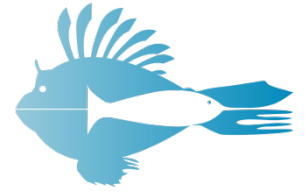


In the Mediterranean, several cases of poisoning have been recorded as *L. sceleratus* is marketed regardless of the risk it poses to public health. Its large size might be one of the reasons behind this species being sold. There have already been 13 recorded cases of death in the Eastern Mediterranean as well as other cases of intoxication (Chamandi et al., 2009; Kalogirou 2010). From the time *L. sceleratus* settled in the Mediterranean, it is being sold and consumed in Egypt, where it is now

Mitigation efforts

Innovative techniques

Pharmaceutical uses



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it tastes good!!



Η ΚΑΘΗΜΕΡΙΝΗ

ΚΟΙΝΩΝΙΑ

Μπότοξ από λαγοκέφαλο

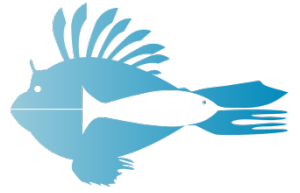


"pick The Alien"

Mitigation efforts

Innovative techniques

Commercial use



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it tastes good!!



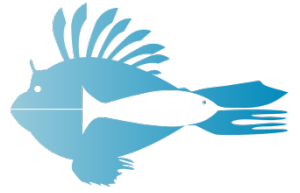
©Relionmed - Life

"Pick The Alien"

Mitigation efforts

Innovative techniques

Consumption



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it tastes good!!

“pick The Alien”



©Afros beach



Mitigation efforts

Raising awareness

ELNAIS **iSea** **PASSPORT CONTROL** **EUROPEAN ENVIRONMENTAL FOUNDATION**

Σε ξενίζει Μοιράσου το μαζί μας!!!

1 <i>Pterois milis</i> Λιονταρόψαρο Lionfish	2 <i>Sargocentron rubrum</i> Ακανθόπερκα Squirrelfish	3 <i>Lagocephalus scleratus</i> Λαγοκέφαλος Cheeked toadfish
4 <i>Lagocephalus suezensis</i> Λαγοκέφαλος του Σουέζ Suez toadfish	5 <i>Sphaeroides pachygaster</i> Βραχιοκέφαλος τετραδόντας Blunthead puffer	6 <i>Lagocephalus guentheri</i> Αδομανόκεφαλος λαγοκέφαλος Diamondback puffer
7 <i>Torquigener flavimaculosus</i> Μπλε Καβούρι - Ιταλός Yellowspotted puffer	8 <i>Gallinectes sapidus</i> Μπλε Καβούρι - Ιταλός Blue crab	9 <i>Portunus segnis</i> Μπλε Καβούρι Blue crab
10 <i>Sepioteuthis lessoniana</i> Τουπιοκαλάμαρο Bigfin reef squid		

Δυσχερής / Venomous
 Τόξικο / Toxic
 Βρώσιμο / Edible
 Μη βρώσιμο / Not edible
 Kampfi / Sting
 Αδverse / Bite
 Αδverse / Claws

Στείλε τις παρατηρήσεις σου στο Twitter και στο Facebook, στο social media της iSea.
 Report your observations of alien and new species in the social media of iSea.
 Facebook group: Σε ξενίζει... Μοιράσου το μαζί μας!!!
 Twitter: @iSeaOrg
 Email: iSea_Org@protonmail.com
 Phone: +30 6942093227
 More info: www.iSea.com.gr

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Σε ξενίζει Μοιράσου το μαζί μας!!!

1 <i>Euryasquilla massarensis</i> Κατοσίδια - Ψείρα Red Sea mantis shrimp	2 <i>Fistularia commersonii</i> Φιστουλάρια - Τρομπέτα Blue spotted cornetfish	3 <i>Hemirhamphus far</i> Ημιραμφός Black barred halfbeak
4 <i>Parupeneus forskali</i> Ερυθρό μπαρμπούνι Red sea goatfish	5 <i>Platessus lineatus</i> Ριγέτο ψαράκι Striped eel cutfish	6 <i>Scarus ghobban</i> Μπλε ριγέτο ψαράκι Blue barred parrotfish
7 <i>Syngnathus sechellensis</i> Σεϋχέλλες δράκοντες Seychelles dragonet	8 <i>Siganus rivulatus</i> Λατρινή αγριόσαλα Κουρκούνα - Γερμανός Marbled spinefoot	9 <i>Siganus luridus</i> Μαύρη αγριόσαλα Κουρκούνα - Γερμανός Dusky spinefoot
10 <i>Molita victor</i> Κοκκινόμαρο Carmian moon crab		

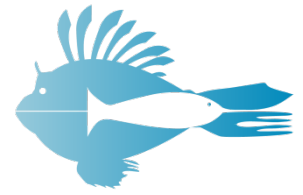
Δυσχερής / Venomous
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“Pick The Alien”

Mitigation efforts

Raising awareness



PICK THE ALIEN
it tastes good!!

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ELNAIS **iSea** **PASSPORT CONTROL** **ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ** **ΥΠΟΥΡΓΕΙΟ ΠΕΡΙΧΕΙΡΙΣΜΟΣ ΑΝΘΡΩΠΙΝΩΝ ΠΟΡΩΝ** **ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ**

Σε ξενίζει Μοιράσου το μαζί μας!!!

1 <i>Pempheris rhomboides</i>	2 <i>Chalodipterus novemstriatus</i> Indian Ocean two-spot cardinalfish	3 <i>Dyspanopeus sayi</i> Say mud crab
4 <i>Gadus quadricolor</i> Four colour nudiobranch	5 <i>Flabellina rubrolineata</i> Θαλαμηλία Red lined flabellina	6 <i>Goniobranchus annulatus</i> Ringed Goniobranchus
7 <i>Haminoea cyanomarginata</i>	8 <i>Cassiopea andromeda</i> Upside down jellyfish	9 <i>Canomurex persicus</i> The Persian canch
10 <i>Fukia fragilis</i>	11 <i>Rapana venosa</i> Purple whelk	12 <i>Spondylus spinosus</i> Spiny oyster

Legend:

- Ανεπιθύμητος / Venomous**
- Τοξικό / Toxic**
- Καντί / Sting**
- Βρώσιμος / Edible**
- Αδυνατό / Rare**
- Μη βρώσιμος / Non edible**
- Απειροχίτωνος / Claws**

Συμβουλευθείτε τον οδηγό των ξένων ειδών στην ιστοσελίδα της iSea. Report your observations of alien and new species in the social media of iSea.

Facebook group: Σε ξενίζει ... Μοιράσου το μαζί μας!!!
For more information visit: www.isea.com.gr

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Σε ξενίζει Μοιράσου το μαζί μας!!!

1 <i>Rhopilema nomadica</i> Μέδουσα Νομάδης Nomad jellyfish	2 <i>Codium</i> spp.	3 <i>Caulerpa taxifolia</i> Killer Algae
4 <i>Caulerpa cylindracea</i>	5 <i>Halophila stipulacea</i>	6 <i>Styopodium schimperi</i>
7 <i>Phallusia nigra</i> Black sea squirt	8 <i>Ganonema farinosum</i>	9 <i>Diadema setosum</i> Porcupine sea urchin

Legend:

- Ανεπιθύμητος / Venomous**
- Τοξικό / Toxic**
- Καντί / Sting**
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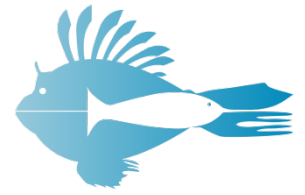
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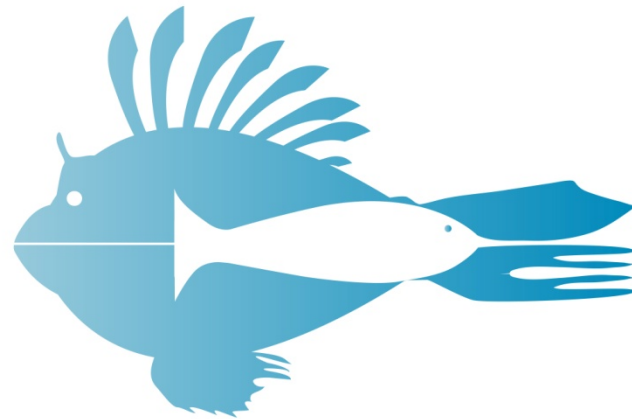
Mitigation efforts

Consumption of edible alien species in Greece

«Pick The Alien»



PICK THE ALIEN
i t t a s t e s g o o d ! !



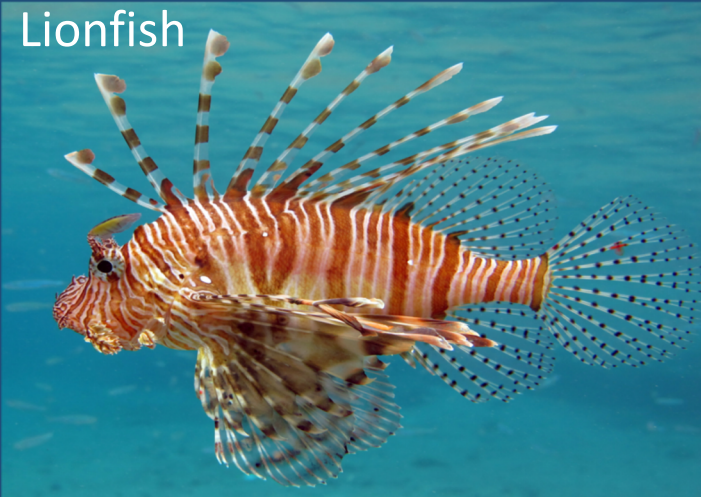
PICK THE ALIEN
i t t a s t e s g o o d ! !

“pick The Alien”

Mitigation efforts

Most of the species are edible and in many countries they are considered delicacies

Lionfish



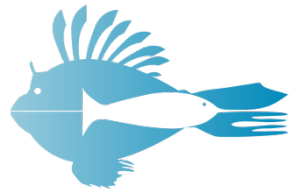
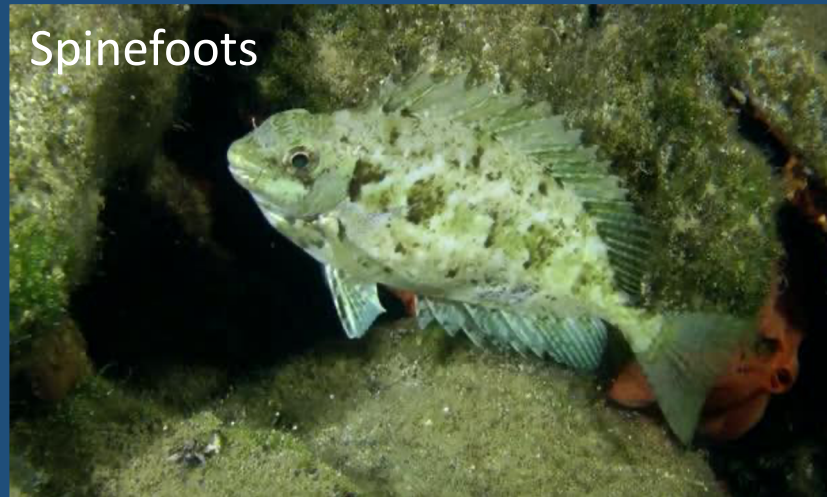
Trumpetfish



Red sea goatfish



Spinefoots



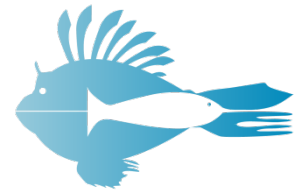
PICK THE ALIEN
it tastes good!!

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Mitigation efforts

Promoting the consumption of edible alien species to local communities

Fishers



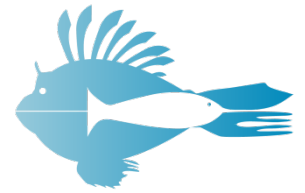
“Pick The Alien”



Mitigation efforts

Promoting the consumption of edible alien species to local communities

Chefs



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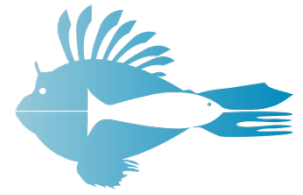


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Mitigation efforts

Promoting the consumption of edible alien species to local communities

Restaurant owners



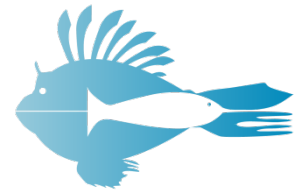
PICK THE ALIEN
it tastes good!!

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Promoting the consumption of edible alien species to local communities

Consumers



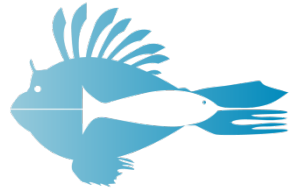
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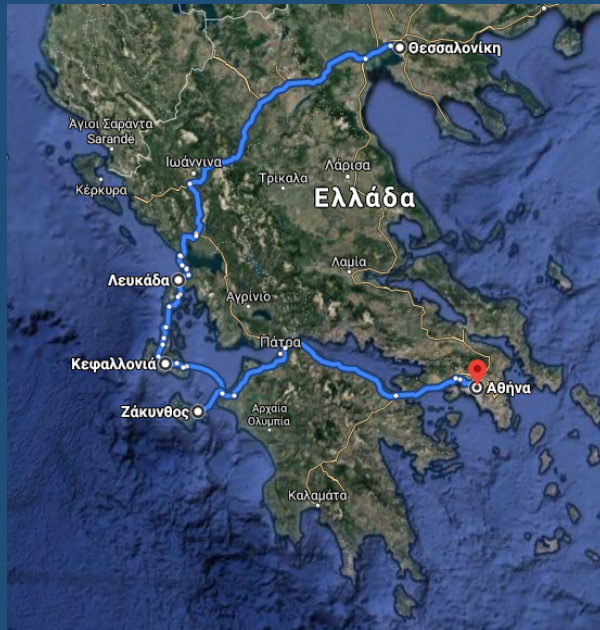
Mitigation efforts

Promoting the consumption of edible alien species to local communities

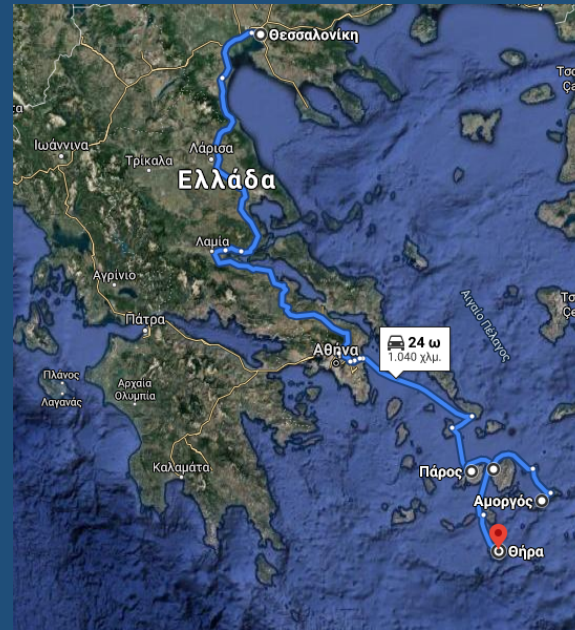


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Ionian: Lefkas, Kefallonia
and Zante islands

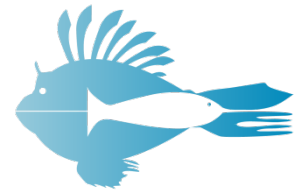


Cyclades: Paros, Amorgos,
Naxos and Santorini islands

More than 30 chef
More than 3000 consumers

Mitigation efforts

Promoting the consumption of edible alien species to local communities



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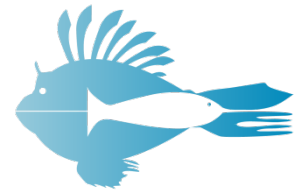


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