Welcome to the Monitoring and reporting on the health of wetlands in the eastern Mediterranean Webinar

17<sup>th</sup> and 18<sup>th</sup> February 2021 We will start the webinar at 0800 UTC

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#### **Addressing drivers of ecological change in** Lake Akrotiri, SBA, Cyprus **DPLUS088 (and DPLUS056)**

1 April 2019 – 31 March 2021

**Jodey Peyton** UKCEH AEEC **ISHU** (and many fantastic collaborators)

Monitoring and reporting on the health of wetlands in the eastern Mediterranean 17th and 18th February









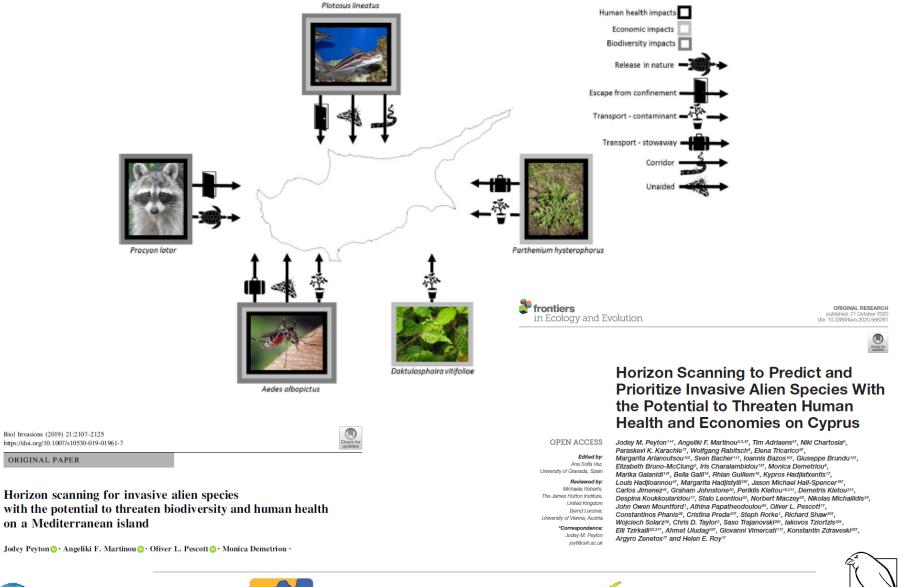


Researching Invasive Spe

#### Sovereign Base Areas of Cyprus



#### Horizon scanning...







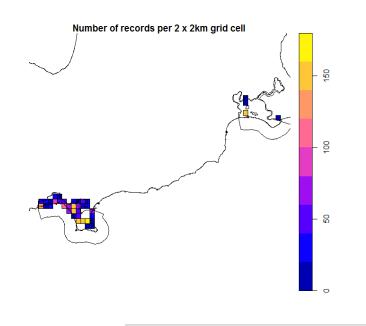
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Joint Services Health Unit



#### Information on species and habitats

- Remote sensing of habitats
- CyDAS
  - Online resource for IAS in Cyprus https://www.ris-ky.info/cydas
- Surveys and compilation of information through Darwin and COST Action STSM
  - ~6,000 plant records
  - **10,000** records of more than **700** INNS and native species



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## Water chemistry

#### Water quality surveys

- Identify potential pollution sources and lake biogeochemical processes
- Survey across the lake (8 sites) in July 2019 and further additional surveys at three specific sites from Sept 2019 to Nov 2020
- Results are being analysed as we speak!





## Working together to build capacity

- Biosecurity training on mosquito control and management with AEEC and wider community
- Biosecurity review with SBA and JSHU
- Development and implementation of pollinator monitoring – PoMS-Ký and Mini-PoMS-Ký
- Wetland education materials including interactive wetland resource looking at threats <u>https://www.ris-ky.info/explore-akrotiri/</u>













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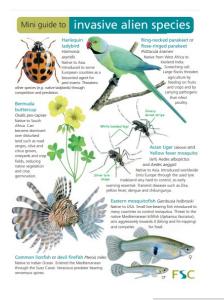
#### **Enhancing understanding & communication**

 Bilingual guides produced to highlight: Pollinators in Cyprus

Mosquitoes

**Invasive Alien Species** 

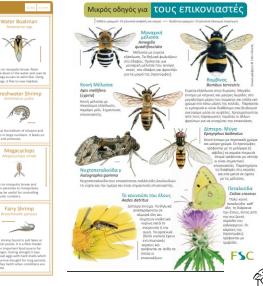
Macroinvertebrates (for Lake Akrotiri)



Saltmarsh Mosquito Aedes detritus	Common House Mosquito	Anopheles Mosquito Anopheles sacharovi
Adit	A and Lave	Addr
Reproduces in salt marshes. The female requires blood to produce egg which it then iny on wet sand. In the Mediterranean it has not been found to be a vector of disease. It bites at dawn and dusk.	Grows yi areas where water collects, in containstanded valers and in damp places such as gutters or flowerpots. The adult fermal monguity enropiess blood to produce aggs which it then lays on the sortica of the water. It suculty bites during the right and is a vector of many diseases such as the West Nile virus.	Ler Breeds primarily in brackish marshes. The adult female mosquito needs blood to produce eggs which it then lays on the surface of the water. It mostly bries during the night and it is an important vector of malaria.
Blackfly	Sandfly Phiebotomus spp.	Horsefly
	Adult Larva Larva	I was a first species of medium to large si
looks like a worm. The adult female bites people and cattle and is a vector of diseases.	has a black head and hairs on the entire body. It is a vector of diseases like leishmaniasis.	The larve looks like a worm. Adult females bite humans and cattle an are vectors of diseases.
Hoverfly Eristalis tenax	Cranefly Tipulidae	Soldierfly Stratiomys spp.
Addr	Addit Love	Addi
The adult hoverfly looks like a bee which protects it from predators. The larva looks like a worm and lives in water. It has a characteristic long tail which acts like a breathing tube.	The adult looks like a giant mosquito, but it does not bite. Larvae look like worms. It is called Cranelly because of its long legs.	A small, two-winged yellow-black species which looks like a wasp. The larva looks like a caterpillar an breathes in the water through a tube.

















# Thank you to all the amazing people who have collaborated through our projects

Thank you to Darwin Plus for the funding DPLU088 and DPLUS056



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https://www.ris-ky.info/resources







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