# Addressing drivers of ecological change in Lake Akrotiri, SBA, Cyprus

### CEH, JSHU and the SBA

27<sup>th</sup> November 2019

@RisKyAliens https://www.facebook.com/groups/RISKYCYPRUS

www.ris-ky.info











Joint Services Health Unit

## **Introducing our Darwin Plus Project**

- Project Title:Assessing drivers of ecological change in LakeAkrotiri, SBA, Cyprus
- Start Date:1st April 2019End Date:31st March 2021Duration of project:24 monthsPartners:JSHU and SBA











Photo Wolfgang Rabitsch

#### WP1: Developing online wildlife recording

• Further development of CyDAS to enable citizen scientists and professionals to submit records

#### WP2: Hydrological and vegetation sampling

- Collection of baseline data for water quality and vegetation in dry season and wet season to develop indicators for saline Mediterranean wetlands working with ROC WDD staff.
- Vegetation data will be linked to remote sensing in WP3 through ground-truthing

#### WP3: Remote sensing of vegetation

- WorldView imagery to establish a baseline vegetation map, suitable for future monitoring of hydro-ecological change.
- Separate vegetation types for the Akrotiri peninsula and identify invasive tree species aided by a 3D surface model (seasonal behaviour between vegetation types will be investigated)

#### WP4: Capacity-building, biosecurity and engagement

- Capacity-building through workshops, field training and guides
  - 1. Monitoring priority IAS and their interactions to inform understanding of ecosystem functioning
  - 2. Development of mobile recording app and methods for participatory engagement
  - 3. Biosecurity guidance and pathway action plans developed for IAS from DPLUS056











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## **Outputs: Data and mapping**

- Continued update of CyDAS please contact Jodey if you have new INNS records you would like to add
- Checklists published (open access)
- Water chemistry measurements
- Chlorophyll analyses of phytoplankton
- Detailed wetland plant assessments
- Generate digital plant community and land cover map

Akrotiri Environmental Education Centre



Chordata (85 species)

Welcome to CyDAS, the Cyprus Database of Alien Species

CyDAS is based on the initial work of Dr Kelly Martinou, who collated lists of alien species o databases. See her report for more information on this work. As a part of the RIS-Ky projec information into a new database, with the aim of making a "one stop shop" of information database will be curated by local and international experts in the future.

This page will be updated with more information about the CyDAS database soon (e.g. the associated terms); the species accounts will also become more complete as time goes on.

The CyDAS database is based on a collation of existing information by Dr Kelly Martinou. Th Dr Oliver Pescott, with support from John van Breda of BiodiverseiT, John van Breda engine presentation. Charlotte Johns collated and reformatted the existing Martinou compliation to uploaded the majority of the species' data. Sara Boschi checked and formatted several new







Researching Invasive Species in Kypros

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## Sharing knowledge



## Thank you!







Akrotiri Environmental Education Centre Κέντρο Περιβαλλοντικής Εκπαίδευσης Ακρωτηρίου





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