

International developments and activities 2021-22 year**RECOMMENDATION**

1. That the SWFSPP Steering Committee **NOTE** this summary of international developments and activities relating to screwworm fly in 2021-2022

BACKGROUND

1. Nil

DISCUSSION

1. Changes in distribution of SWF or other factors that may impact on the risk to Australia.
 - a. Nothing reported.
2. A review of the scientific literature (Pubmed, Google scholar) has revealed the following key paper
 - a. No new publications on OW SWF in Pubmed since 2020
 - i. Hosni et al's 2020 spatial distribution modeling paper reinforces the messaging of the habitat suitability of northern Australia for OW SWF, especially around the Port of Darwin (although this model is influenced by occurrence records, which may have driven the focus around the Port). Australia is highlighted as a high risk for habitat suitability with future climate modelling.

Hosni EM, Nasser MG, Al-Ashaal SA, Rady MH, Kenawy MA. Modeling current and future global distribution of *Chrysomya bezziana* under changing climate. Sci Rep. 2020 Mar 18;10(1):4947. doi: 10.1038/s41598-020-61962-8. PMID: 32188920; PMCID: PMC7080715.

FINANCIAL IMPLICATIONS

2. Nil

CONSULTATION/COMMUNICATION

3. Animal policy areas of DAWE were consulted for input into this paper.

NEXT STEPS/ACTIONS

4. Not applicable

FEEDBACK

Q1 My organisations needs and expectations of the SWFSPP are being met.

Agree

Comments:

Q2 The outputs of the SWFSPP such as the brochure, poster and annual report in the Animal Health in Australia report are credible and robust.

Agree

Comments:

Q3 The SWFSPP satisfies the surveillance data and reporting needs of my organisation (e.g. contributes to and/or supports policy development and decision making).

Disagree

Comments: As previously discussed, there is a data gap with regards to the number of feral animals and domestic animals examined and inspected across northern Australia, including the Torres Strait. Currently NAQS is reporting Sentinel Herd examinations, however has capacity to report all animals inspected across the north.

Q4 Animal Health Australia is managing the Screw Worm Fly Surveillance and Preparedness Program effectively/satisfactorily.

Agree

Comments: