**Enhancing monitoring and prevention of invasive non-native species across UKOTs - Montserrat**

https://www.darwininitiative.org.uk/project/DPLUS175/

19 - 22 March 2024

Montserrat National Trust

**Tuesday 19 March:  Non-Native Species Information Systems**

*1 day workshop – led by Megan Williams and David Roy*

**Tuesday 19 March 0930-1500**

0930: Welcome and introductions

0945: Overview of workshop and update on Darwin Plus Project: Enhancing monitoring and prevention of invasive non-native species across UKOTs – Helen Roy

1000: Overview of questionnaire responses – Diana Bowler

**1045: Coffee**

1100: Invasive alien species - crop pest perspective - Miss Bernita Serrant

1120: Update on Introduction to UK Overseas Territories Database of Non-Native Species – Meg Williams

1140: Discussion on approach to reviewing and updating the UK Overseas Territories Database of Non-Native Species – Montserrat

Are there other datasets and information for integration?

Other datasets to digitise?

**1230: Lunch**

1315: Review andUpdate UK Overseas Territories Database of Non-Native Species - Montserrat

(Possibly Two breakout groups – plants and animals – to be agreed in the morning)

Review of compiled information e.g. has non-native species status been appropriately attributed? Presence of non-native species on different islands? Common names?

**1500: Close**

**Wednesday 20 March: Prioritizing Monitoring and Reporting of INNS**

*1 day workshop* *– led by Helen Roy and Diana Bowler*

0930 Fire ants on Montserrat - Barry Mahabir - Principal Environmental Officer, Ministry of Agriculture, Lands, Housing & Environment

*Prioritisation of reporting for INNS including new technologies*

1000: Indicators and the Global Biodiversity Framework – Helen Roy

1015: Overview of approaches to reporting and summarising invasive non-native species data – Diana Bowler

1030: Group discussion

What reports, visualisations or other outputs on invasive non-native species data would be useful for Montserrat?

* Who are the audiences?
* What do they need?

**1045: Coffee**

1100: Prioritisation of reporting, visualisation and outputs – participants vote and prioritise most useful outputs

1130: Summarising prioritisation exercise – Helen Roy

*Prioritisation of monitoring INNS including new technologies*

1145: Emerging tools and technologies – Diana Bowler

1200: Group Discussion

What are the additional opportunities for invasive non-native species monitoring for Montserrat for policy, science or other?

**1230: Lunch**

1330: Opportunities and barriers for monitoring invasive non-native species including emerging tools and technologies

Opportunities

What topics are suitable and important for enhancing understanding of invasive non-native species, now and in the next 5 years?

Which topics would be most achievable and useful now and in the next 5 years?

What are the relevant policy, science or other contexts?

Barriers

What are barriers that limit invasive non-native species monitoring?

Overcoming which barriers would have most impact on addressing invasive non-native species?

1415: Review lists of opportunities and barriers – Group discussion and voting

**Thursday 21 March: Assessing the impacts of INNS**

*1 day workshop* *– led by Helen Roy*

**Thursday 21 March 0930-1500**

0930: Approaches to assessing impact of invasive non-native species – Helen Roy

1000: Other approaches to assess impact of invasive non-native species – discussion with everyone

1030: Introduction to the Environmental Impact Classification of Alien Taxa – Helen Roy <https://www.iucn.org/resources/conservation-tool/environmental-impact-classification-alien-taxa>

1045: Brief introduction to the Socio-economic impact classification of alien taxa – Helen Roy

Bacher S, Blackburn TM, Essl F, Genovesi P, Heikkilä J, Jeschke JM, Jones G, Keller R, Kenis M, Kueffer CM, Angeliki F, Nentwig W, Pergl J, Pyšek P, Rabitsch W, Richardson DM, Roy HE, Saul WC, Scalera R, Vilà M, Wilson JRU, Kumschick S (2018) Socio-economic impact classification of alien taxa (SEICAT). Methods in Ecology and Evolution 9(1): 159–168. <https://doi.org/10.1111/2041-210X.12844>

**1100: Coffee**

1120: Evidence of impacts on Montserrat - Breakout groups

What evidence is available for impacts on Montserrat? How relevant is EICAT information from the Global Invasive Species Database?

How is evidence of impacts documented on Montserrat? Could there be alternative ways to capture information on impacts?

Can EICAT and SEICAT be applied to the UK Overseas Territories INNS Information System?

1215: Summary from breakout groups and next steps

**1230: Lunch**

1330: EICAT assessments for selected species

1500: Close

**Friday 22 March: Predicting the impacts of climate change on the spread of INNS to inform biosecurity on Montserrat**

*1 day workshop – led by Diana Bowler*

**Friday 22 March 0930-1500**

Synthesis of information on climate change and INNS on islands

Introduction to climate change scenarios and development of scenarios for Montserrat

0930: Potential interactions between climate change and invasive species – Diana Bowler

0950: How is the climate changing on Montserrat? – all to contribute observations

1015: Session 1: What consequences of climate change matter for Montserrat? – Group discussion

Break out groups:

Each group is supplied a list of possible risks.

Each group is to discuss the relevance of risk. And add any additional items to the list.

 Which components of climate change are most of concern to Montserrat?

 What are the immediate consequences of each of these components

Impacts for species (native or non-native, for habitats, for humans and how land is used

 Which of these components are relevant for each habitat?

**1100 Coffee**

1115 Compilation of each groups votes and group discussion

1130 Review of species to develop case studies on climate change impacts

1145:Session 2 -How might climate change affect key invasive species on Montserrat?

Case-study breakout groups: Each breakout group to assess a specific species.

Each group will describe the possible ways that climate change might affect the species:

How does it affect: spread, establishment, impact, management

Use risks identified in session 1 as a starting point

1230: Each group presents their case study (5 mins each)

**1245: Lunch**

1315: Outstanding knowledge gaps, opportunities and policy needs

1345:Co-develop approaches to assess the impacts of climate change on the spread of INNS building on previous collaborative studies - see <https://www.nonnativespecies.org/overseas-territories/prioritising-containment-and-eradication-action/>

1430: Climate change and risk assessments – Helen Roy

1445: Priority outputs for climate change and INNS

**1500: Field trip kindly organised by the participants to see selected invasive non-native species and affected habitats**