

FF-IPM DS-Alert System Platform Entry Mockup

DS-Alert System: Inspection Priorities

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Introduction

The volume of cargo or passengers at ports of entry can overwhelm the capacity of inspection services. Indeed, it is often the case that resource allocation policies for inspections attempt to inspect only a small fraction of imported material (e.g., Australia presently targets around 7% of containers for inspection). A prudent risk management framework suggests that priority should be given to inspecting higher-risk imports. This problem is so common that the World Customs Organization (WCO) has developed the WCO Cargo Targeting System (WCO CTS). It is a risk assessment and targeting solution for cargo manifests for use by Customs administrations around the globe. It is aimed at supporting the adoption of international best practices in the area of cargo risk assessment. This impressive system has self-learning built into it, with feedback on inspection outcomes. In the FF-IPM project, we have crafted a tool to enhance this assessment by considering the climate suitability for the population growth of species of concern in each country where they are known to be present.

Results

The tool presented here is intended to be used by biosecurity risk managers who task border inspections. There are two components to the tool: An interactive map of the maximum climate suitability for each species within each country and a risk ranking table, taking into account the climate suitability for fruit fly population growth, the history of interceptions, and the volume of trade in risk commodities.

Using the risk table, the risk manager can readily assess which countries of origin pose the greatest risk based on climate, trade volume in risk commodities and historical contamination patterns. The table allows the user to sort the table based on the different risk components.

IFRAME

<http://194.177.207.141:8080/countrieslist>

The corresponding map allows the risk manager to visualise the source country risk patterns in terms of climate suitability or overall risk score.

IFRAME

<http://194.177.207.141:8080/countries>

Future directions

It would be useful to discuss the potential to integrate this type of risk modelling tool into the WCO CTStoolkit.

References