

Comments on Principles of Biosecurity: Global Health and the Industrial Revolution

Winston Moore

Professor of Economics

Department of Economics

University of the West Indies

Cave Hill Campus

Background on Paper

- Provides an overview of the concept of biosecurity
 - multidisciplinary
 - early warning systems
 - industrial revolution



Contribution

Illustrations/examples

Lessons

Biological
catastrophes

Industrial revolution

Comments

- There is an intimate and close link between biosecurity and economics.
- Biosecurity is largely about managing risk and uncertainty (Heikkila, 2010).
 - these are issues that economic tools can be used to model

Comments



Comments

- Economics of Invasive Species Control
 - control is defined as reducing the size of the invasion by chemical, biological, mechanical, manual or other means
 - recent studies on biological control have largely focused on calculating the benefits versus the costs of biological control programmes
 - Most of these studies have found benefit cost ratios ranging from 2:1 to 24:1.

Comments

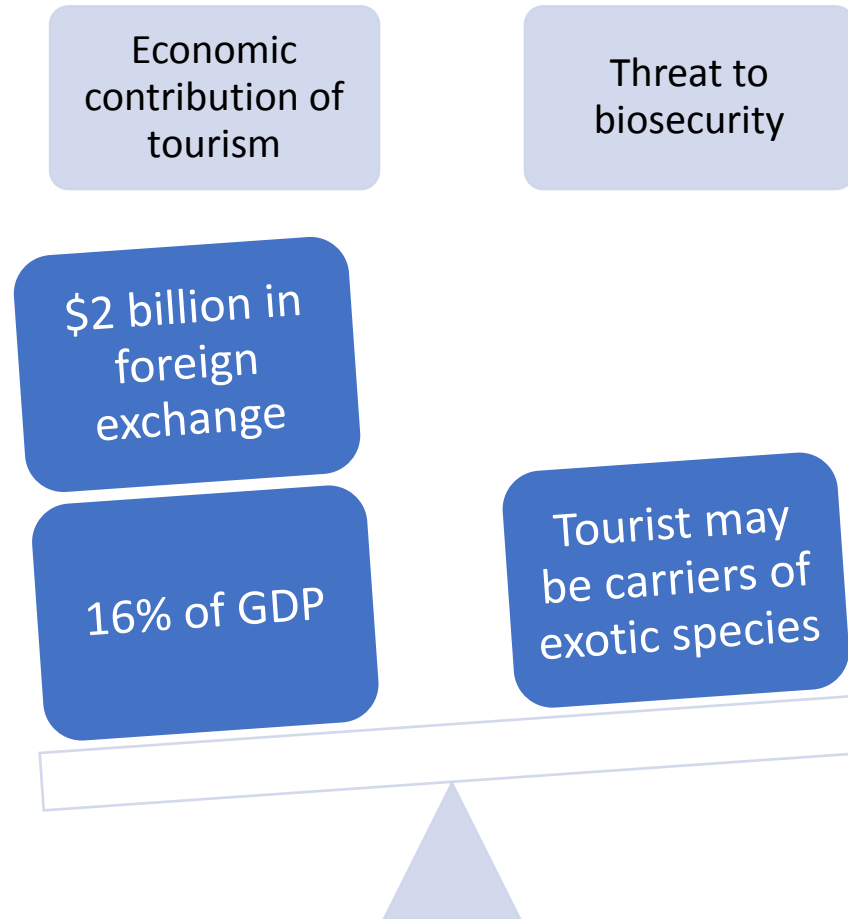
Economics of Invasive Species Prevention

Public goods

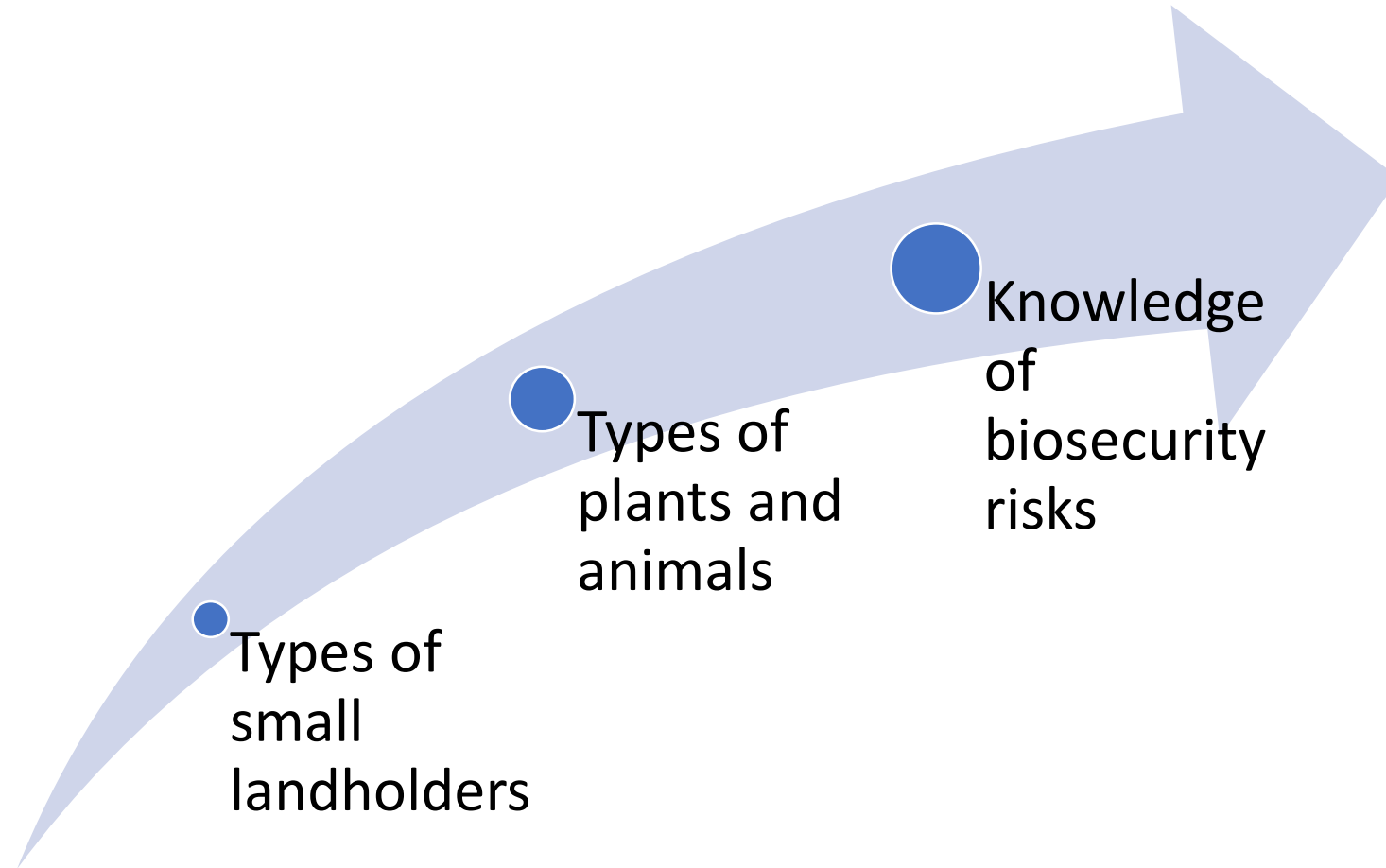
Commodity
levies vs
general taxes

Prevention vs
eradication
costs

Comments



Comments



Comments

- Biosecurity is a key aspect of sustainability
 - Can be supported through the use of economic tools
 - There are tremendous benefits of biological control approaches
 - Tourism poses a risk to the biosecurity of the island
 - Small landowners will need to be bought into the fold