

Terms of Reference AHTEG

7.b Identify and consider relevant, specific, and concrete tools, voluntary codes of practice, methodologies, guidance, best-practice examples and instruments, including possible regulatory mechanisms, for addressing the risks associated with the introduction of alien species as pets, aquarium and terrarium species, and as live bait and live food, including for:

- i. Controlling, monitoring, and prohibiting, where appropriate, export, import and transit, at local, national, and regional levels, taking into account national legislations, where applicable;
- ii. Controlling internet trade, associated transport, and other relevant pathways;**

PATHWAYS OF INTRODUCTION

Aquaculture



Biological control



Fishery



Hunting



Horticulture



Ballast waters



Forestry



Tourism



Pet trade

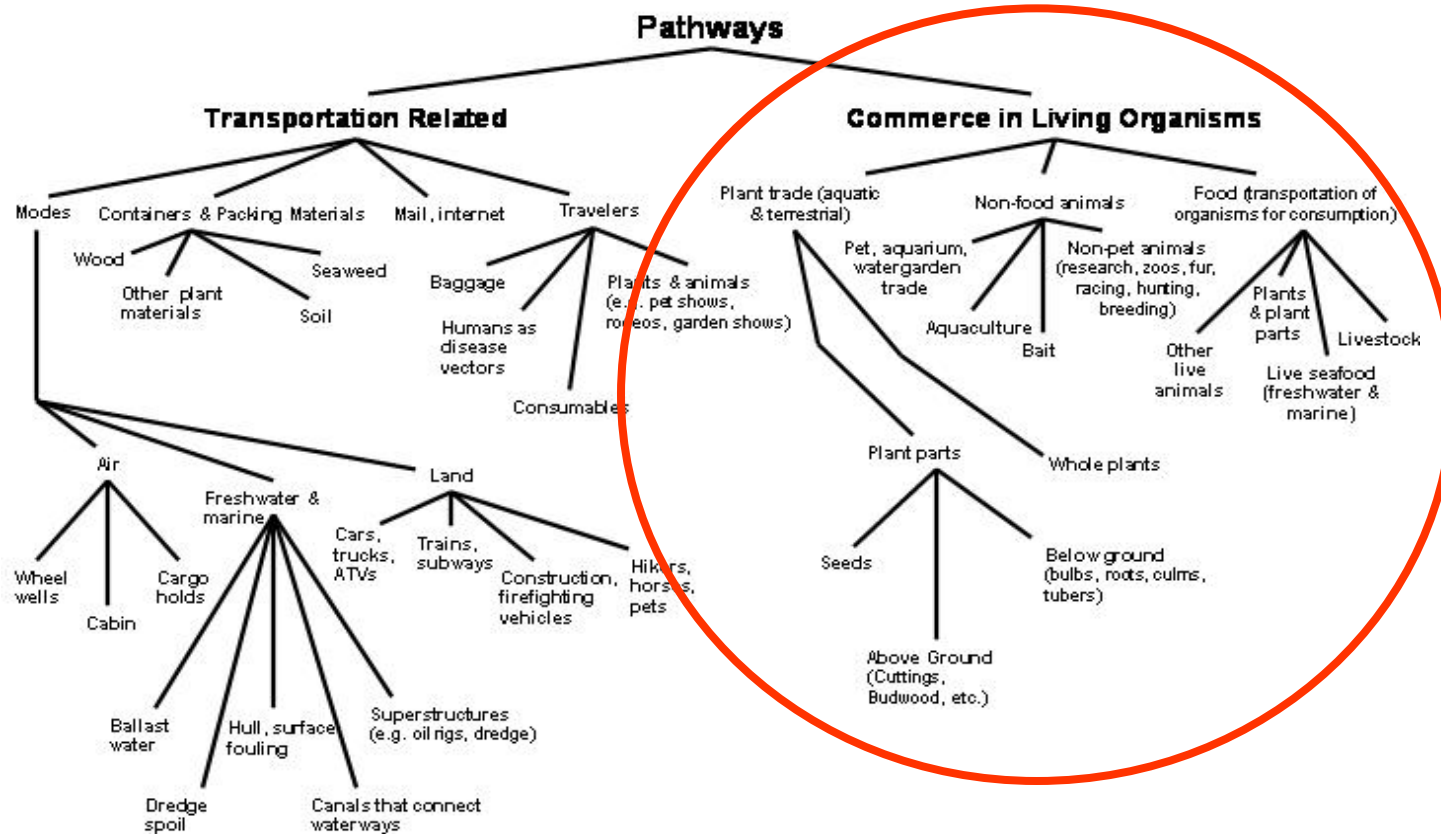


Nursery



PATHWAYS OF INTRODUCTION

Pathways of introduction of alien species (from Lodge et al 2006)

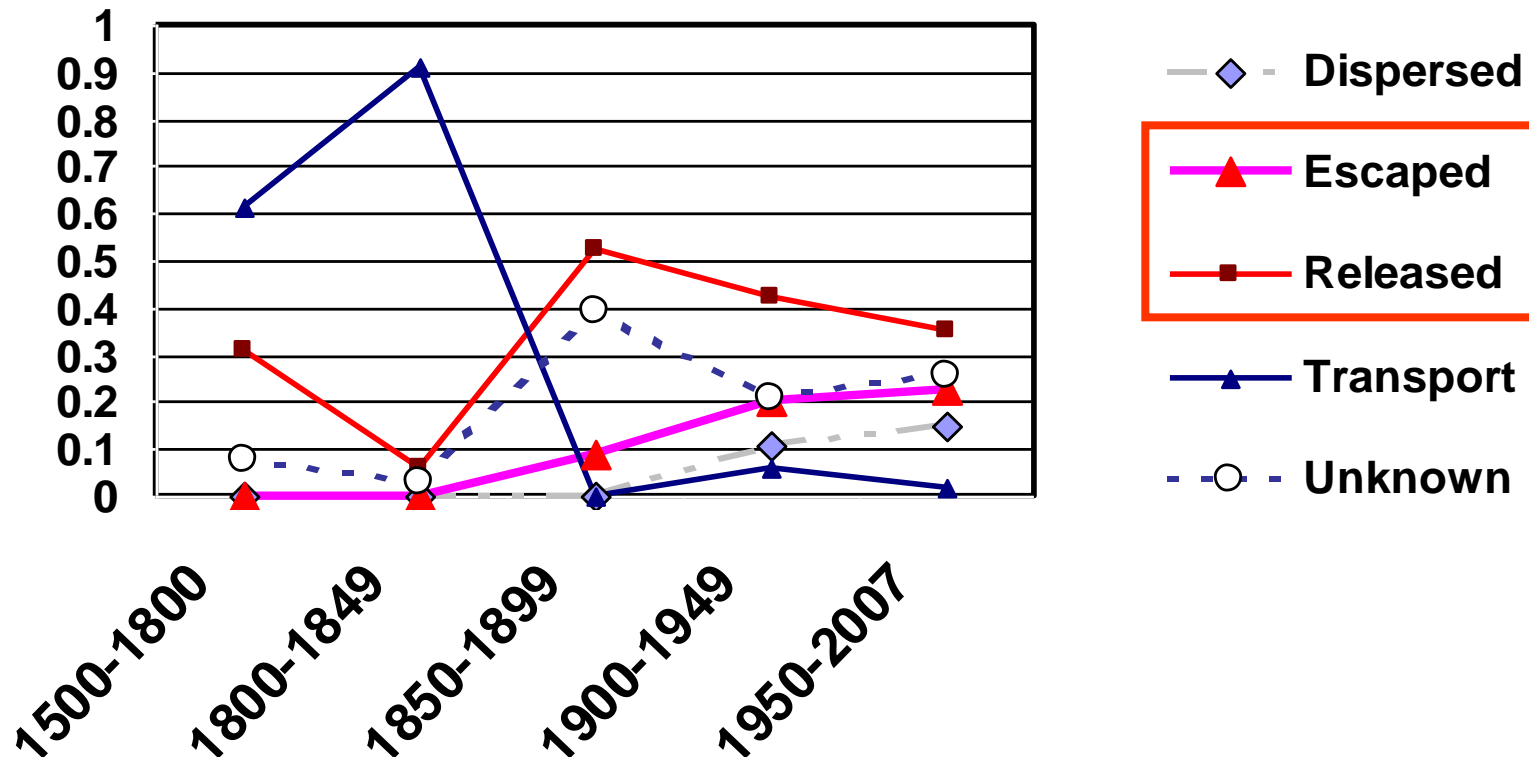


According to data from the Global Invasive Species Database (IUCN ISSG), 66% of the 20,667 are intentional introductions, 34% unintentional (from Genovesi & Scalera 2007)

MAMMALS IN EUROPE

Intentional introductions = 35%

Escape/release of pets = 10%



MULTIPLE STAKEHOLDERS



EXPORTER OR PRODUCER COUNTRIES

- Collectors or catchers of wild species;
- Professional and amateur breeders of pets, aquarium ...
- Producers, National authorities...

INTERMEDIATE PATHWAYS

- trading industries;
- Internet market managers;
- Private market owners;
- International transporters (i.e. postal service, shipping companies...)

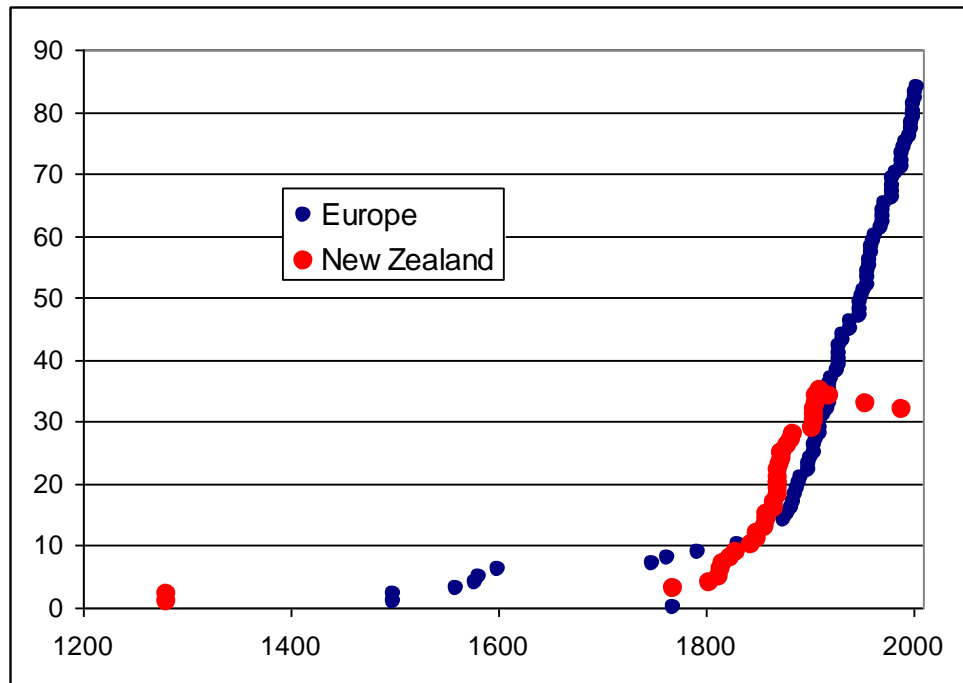
BORDER CONTROLS

IMPORTER COUNTRIES

- Transporters
- Retailers
- End users, such as pet owners;
-

PREVENTION

Effective biosecurity approach reduces establishment of alien species



Alien mammals

Genovesi & Clout, unpublished

INTERNET TRADE

Biol Invasions (2010) 12:1477–1480

DOI 10.1007/s10530-009-9595-0

INVASION NOTE

Online trade poses a threat to biosecurity in New Zealand

José G. B. Derraik • Simon Phillips