

Target 5 developments: Implementation phase of the Invasive Alien Species Regulation

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IAS CAUSE MAJOR IMPACTS IN EUROPE

- Second driver of biodiversity loss after habitat destruction and major cause of animal extinctions
- Severe impacts on health;
 over 100 IAS are pathogens
- Huge economic costs in Europe > € 12 bln/year
- IAS threatening biodiversity also impact economy. By protecting biodiversity we protect our livelihood

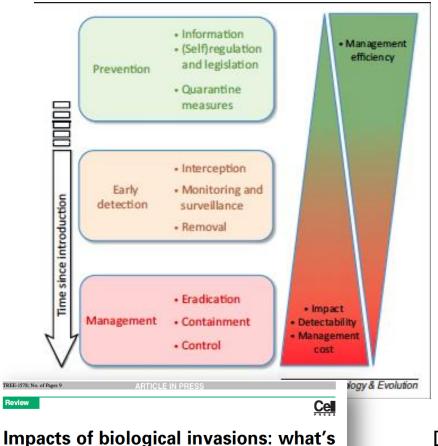








HOW TO ADDRESS INVASIONS



what and the way forward

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CBD guiding principles

- Prevention as the first line of defence
- Early detection rapid response
- Eradication when feasible
- Permanent management when appropriate

Decision VI/23 on Alien Species that threaten ecosystems, habitats and species; COPVI, The Hague, April 2002





FOCUSING ON PRIORITY IAS AND PATHWAYS



- Target 9 CBD Strategic Plan 2020: by 2020, IAS and pathways are identified and prioritized, priority species are controlled or eradicated, and measures are in place to manage pathways to prevent their introduction and establishment
- Target 5 EU Biodiversity Strategy 2020:
 by 2020 IAS and their pathways are identified and
 prioritized, priority species are controlled or
 eradicated, and pathways are managed to prevent
 the introduction and establishment of new IAS





TOWARD A EU POLICY ON IAS

European Strategy on Invasive Alien Species (Genovesi & Shine 2004)

 Approved by the Standing Committee of the Bern Convention in 2003; welcomed by the European Council and by the CBD COP (Decision VI/23)

Based on a hierarchical approach:

- Prevention
- Early warning rapid response
- Eradication
- Permanent control







TOWARD A EU POLICY ON IAS

2004: Strategy on IAS adopted by Bern Conv. - Council of Europe

2006: Commitment to develop an EU strategy

2008: Consultation meetings with representatives from MS and stakeholders, web-based public consultation

2008: Communication: Towards an EU Strategy on IAS

2009: European Council decision: new dedicated legislative instrument, early warning rapid response

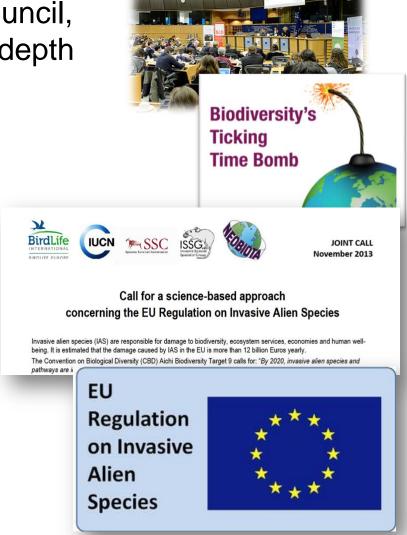
2013: September, EC presented a formal proposal





ADOPTION OF EU REGULATION

- "Trialog" among Parliament, the Council, and the European Commission. In-depth technical discussion
- April 16th text passed at the EU Parliament with a large majority (606 to 36, with 4 abstentions)
- September 29th EU Council formally adopted the text
- Published on OJEU Nov 4th (Regulation 1143/2014)
- Entry into force January 1st 2015







BASIC PRINCIPLES

- Based on the principles of prevention, prioritisation and coordination
- Core of the system is the "list of IAS of Union concern"
- General ban from the EU, including introduction, trade, keeping, breeding and release (limited exceptions for uses in confined conditions)
- Proposed cap of 50 species removed during the trialog
- Inclusion in the EU list shall be based on risk assessment





ACTION AT COUNTRY SCALE

- Regulation does not cover IAS that are native to some parts of the Union but invasive to others
- MS will have the power to develop lists of IAS of Member State concern, applying stringent measures to regulate them





EARLY DETECTION RAPID RESPONSE

 MS shall establish within 18 months a surveillance system for IAS of Union concern

 Obligation to notify new incursions, and to immediately apply eradication (within 3 months), when feasible and not disproportionally costly







MANAGEMENT OF WIDESPREAD IAS

 within 18 months MS shall have in place effective management measures for IAS of Union concern that are widespread in their territory







INTERNATIONAL COOPERATION

- Several "mild" obligations for MS to enhance cooperation at the international scale:
 - MS shall make every effort to ensure coordination with other concerned states, when practical and appropriate
 - MS shall endeavour to cooperate with third countries
 - Ensure coordination and cooperation for what concerns action plans on pathways, exchange of best practices on management, public awareness programs





ADDRESSING PATHWAYS

- Member States have the obligation to identify within 18 months the most relevant pathways of unintentional introduction of IAS of Union concern
- Within 3 years MS shall establish and implement at least one action plan to address a relevant pathway







PATHWAY CATEGORIZATION

- Common terminology crucial to allow comparison of data
- Standard categorization of pathways discussed at SBSTTA 18
- COP 12 decisions encourage CBD Parties to use standard pathway categorization

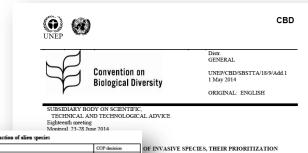


Table 1: Categorization of pathways for the introduction of alien species

	Category	Subcategory	COP decision
	RELEASE	Biological control	VIII/27
	IN NATURE	Erosion control/dune stabilization (windbreaks, hedges,)	
	(1)	Fishery in the wild (including game fishing)	VIII/27; X/38
		Hunting in the wild	X/38
		Landscape/flors/fauna "improvement" in the wild	
		Introduction for conservation purposes	
		Release in nature for use (other than above, e.g., fur, transport, medical use)	1
		Other intentional release	1
	ESCAPE	Agriculture (including Biofuel feedstocks)	X/38
	FROM CONFINEMENT (2)	Aquaculture (managing protein seeasocks)	VIII/27: DX/4
			XV28
l≥		Botanical garden/zoo/aquaria (excluding domestic aquaria) Pet/aquariam/terrarium species (including live food for such species)	VIII/27, X/38, XI/28
1 5			
ΙŞ		Farmed animals (including animals left under limited control)	VIII/27
Movement of COMMODITY		Forestry (including reforestation)	1
		Fur farms	1
		Horticulture	1
		Ornamental purpose other than horticulture	1
		Research and ex-site breeding (in facilities)	VIII/27
		Live food and live bait	1
~		Other escape from confinement	1
	TRANSPORT -	Contaminant nursery material	
	CONTAMINANT	Contaminated bait	1
1	(3)	Food contaminant (including of live food)	VIII/27; XI/28
		Contaminant on animals (except parasites, species transported by host/vector)	XV28
		Parasites on animals (including species transported by host and vector)	XV28
		Contaminant on plants (except parasites, species transported by host/vector)	XV28
1		Parasites on plants (including species transported by host and vector)	X1/28
		Seed contaminant	VIII/27
		Timber trade	
		Transportation of habitat material (soil, vegetation,)	l
	TRANSPORT -		VIII/27
l	STOWAWAY	Angling/fishing equipment Container/bulk	VIII/27
l	(4)		
_	***	Hitchhikers in or on airplane	VIII/27, IX/4
		Hitchhikers on ship/boat (excluding ballast water and hull fouling)	l
5		Machinery/equipment	VIII/27
VECTOR		People and their luggage/equipment (in particular tourism)	VIII/27
2		Organic packing material, in particular wood packaging	1
l		Shipboat ballast water	VIII/27
l		Shipboat hull fouling	VIII/27; DX/4
ı	l	Vehicles (car, train,)	l
I	I	Other means of transport	
	CORRIDOR	Interconnected waterways/basins/seas	VIII/27
13	(5)	Turnels and land bridges	
SPREAD	UNAIDED	Natural dispersal across borders of invasive alien species that have been introduced	
8	(6)	through pathways 1 to 5	

by the Executive Secretary

INTRODUCTION

Prevention, Introduction and Mitigation of Impacts of Alien abitats and Species (the Guiding Principles) annexed to its and organizations with guidance for developing effective impact of invasive alien species. In particular, the Guiding





DECISION PROCESS

- Decision process based on Committee
- "Scientific forum" will advice, but with no clear indications on how it may provide inputs to the Committee and EC





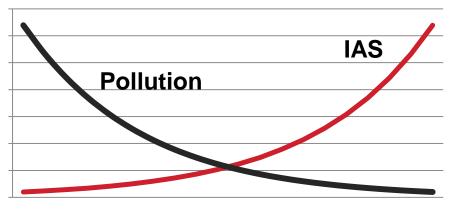


FINANCIAL ASPECTS

- No specific financial mechanisms to support the implementation of the Regulation
- Regulation encourages application of the Polluter Pays Principle

 This is a challenging approach to IAS, because – differently to pollution – the effects of IAS tend to

increase over time



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20





PRELIMINARY ASSESSMENT

- Review of available Risk Assessment protocols
- Proposes criteria
- Informs development of minimum standards
- Analysis of available information for a list of 80 IAS compiled by the EC, with inputs from MS and relevant organisations (e.g.: EPPO)
- Proposes recommendations for future work
- Horizon Scanning exercise, to identify IAS at higher risk of invading Europe







PRELIMINARY ASSESSMENT

1.	IAS with "substantially compliant" RA, complying with the criteria	50
2.	IAS with compliant risk assessment but not yet validated	1
3.	IAS with "substantially compliant" risk assessments, but possibly not complying with criteria (low impact in at least part of the EU)	9
4.	IAS with "substantially compliant" risk assessments, but not complying with criteria (the native IAS)	7
5.	IAS with ongoing "substantially compliant" risk assessments	23
6.	IAS for which a "substantially compliant" risk assessment is not available	44
7.	IAS prioritized for future risks	2





CHALLENGES

- Most risk assessments carried out in a few European countries (e.g.: UK, BE)
- European MS will need to develop capacity to carry on risk assessments
- Decision process needs to be detailed, including inputs from Scientific Forum to Committee





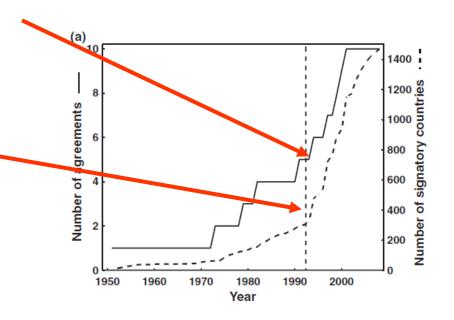
CONCLUSIONS

- Innovative approach, largely based on improved understanding of the mechanisms of invasions
- Stringent measures for IAS of Union concern
- Decision process needs to be clarified and structured.
 Committee needs to be ambitious
- Action plans on key pathways indeed innovative, but based on mild obligations
- Other measures national lists, IAS native of Europe, international cooperation – will largely depend on the commitment of national authorities
- Lack of financial mechanisms may severely limit the overall impact of the Regulation





- Number of international agreements relevant to IAS
- Cumulative number of countries party to those agreements



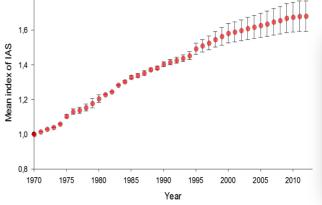


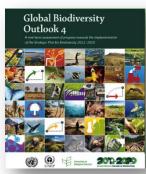


 Number of alien species increased 76% in the 1970-2007 period 2.0 — Alien species
1.8 — 1.6 — 1.4 — 1.2 — 1.0 — 1.8 — 1.8 — 1.0 — 1.8



 More recent analysis confirms this trend (1975-2012)

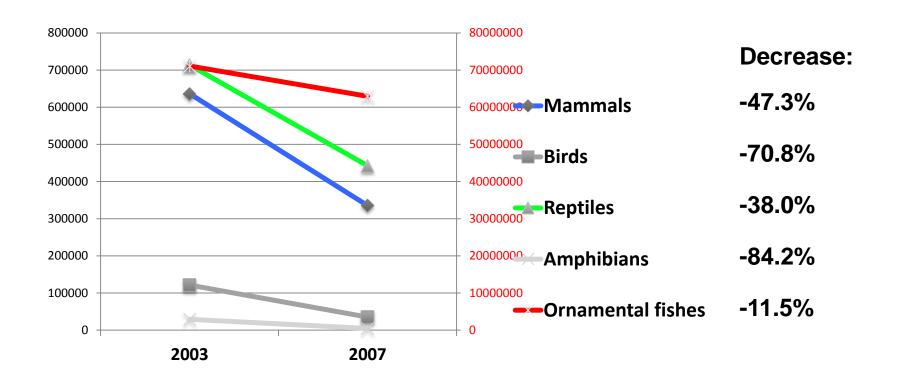








Japan legislation on IAS – Black list







New Zealand biosecurity policy

 N. of alien mammals in Europe

 N. of alien mammals in New Zealand

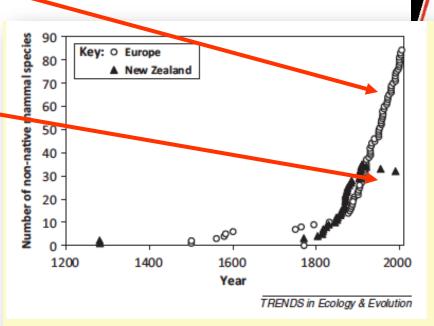


Figure I. Numbers of non-native mammal species established in Europe and New Zealand over eight centuries (compiled by P. Genovesi and M. Clout).





.. A FEW MORE GENERAL CONCLUSIONS...

- New EU Regulation could effectively reduce the impacts of IAS, but for this aim it is crucial:
 - An effective decision process, based on science, and ambitious
 - Adequate resources at the EU and MS scale
 - Political commitment and will

Effective communication and engagement of the society

