

Detention and rejection of fish and seafood at borders of major importing countries

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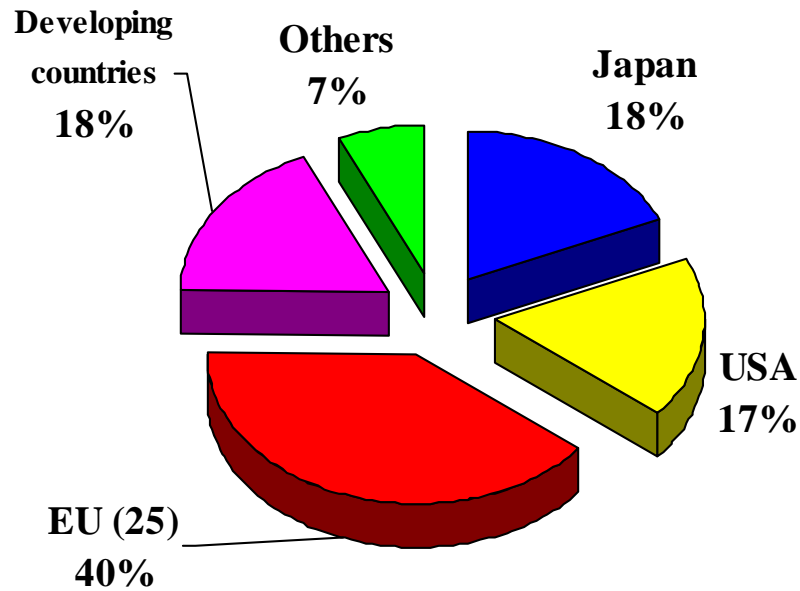
Punta Del Este, Uruguay

27 November 2006

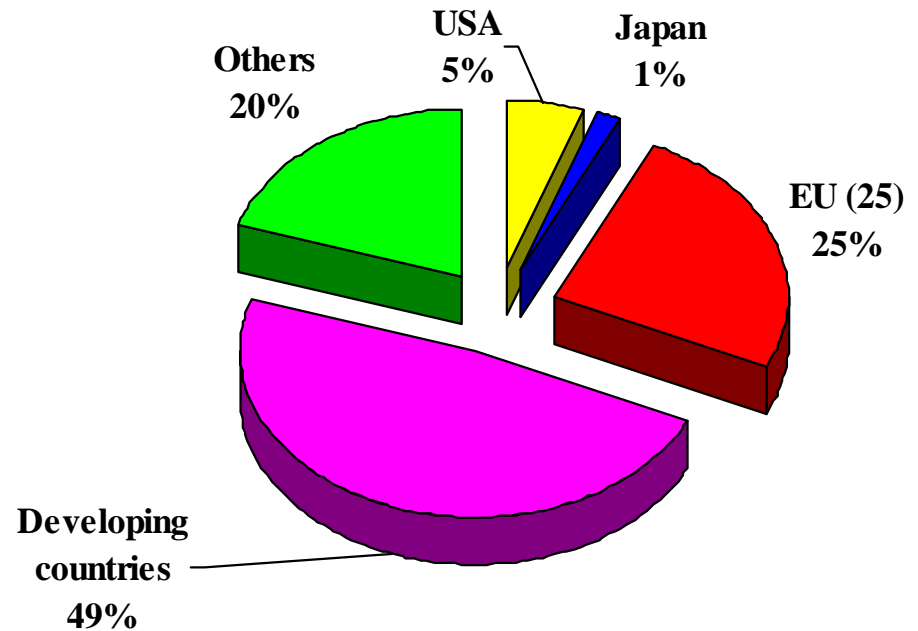
Background

WORLD FISH TRADE 2003 (by value)

Imports



Exports



Methodology

- **Monitor data on border cases (heterogeneous)**
- **Obtain statistics of imports in major countries to put border cases in context**
- **Analyze the trends and causes**
- **Recommendations to catalyze further harmonization and tailor assistance to developing countries**

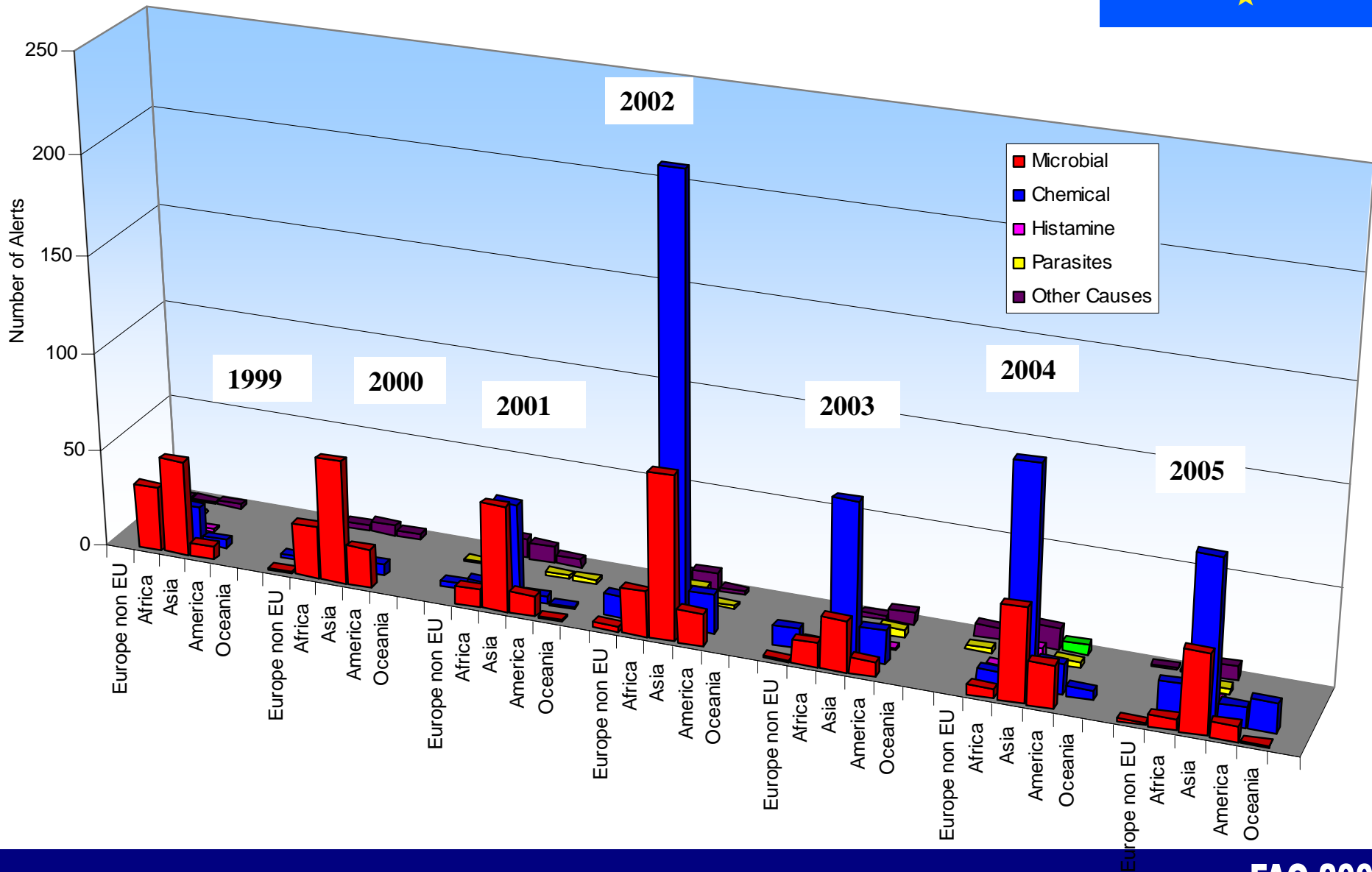
Comparison of fish import systems

	EU	USA	Canada	Japan
“Equivalence”	with 87 “third countries”*	none	few agreements	none
Control at the source	country’s competent authority	by importers	no	by importers
Control at the border	Yes	yes	yes	yes
Frequency of controls	Depending on the 3rd country status and type of product)	National business plan	at discretion of inspector	2,5 or 15 % depending on the product/species
Type of controls	Documentation, chemical, physical, microbiological	documentation, chemical, physical, microbiological	documentation, chemical, physical, microbiological	documentation, chemical, physical, microbiological
Standards harmonization	No	no	No	no

*Countries outside the EU ('third countries') with specific conditions for importing fishery products and shellfish into the EU are known as List I countries (The list of countries and approved establishments from which the import of fishery products and live bivalve molluscs is authorised), as of 12.07.2005, Commission Decision 2005/501/EC



Border cases in EU....



Chemical....



	1999	2000	2001	2002	2003	2004	2005 ¹	Totals	%
Cadmium	12	7	5	12	58	33	31	158	16,8
Chloramphenicol			44	102	9	8		163	17,4
Carbon monoxide		1			3	6	19	28	2,9
DSP		2	4	2	1	2	2	13	1,4
Lead				3	1	1	1	6	0,6
Mercury	14	11	11	19	19	26	22	122	13
Nitrofurantoin				89	51	27	20	187	20
PAH			3	11	9			23	2,5
Phenol	1							1	0,1
Residues	1	1		10	12	2	1	27	2,8
Sulphite		2		7	8	31	31	79	8,4
Bacterial inhib.				21	2	4	3	30	3,2
Malachite Green				1	9	14	28	52	5,6
Histamine	4	8	1	3	4	19	7	46	4,9
Totals	32	32	68	279	186	173	165	935	100

¹ figures to August 2005

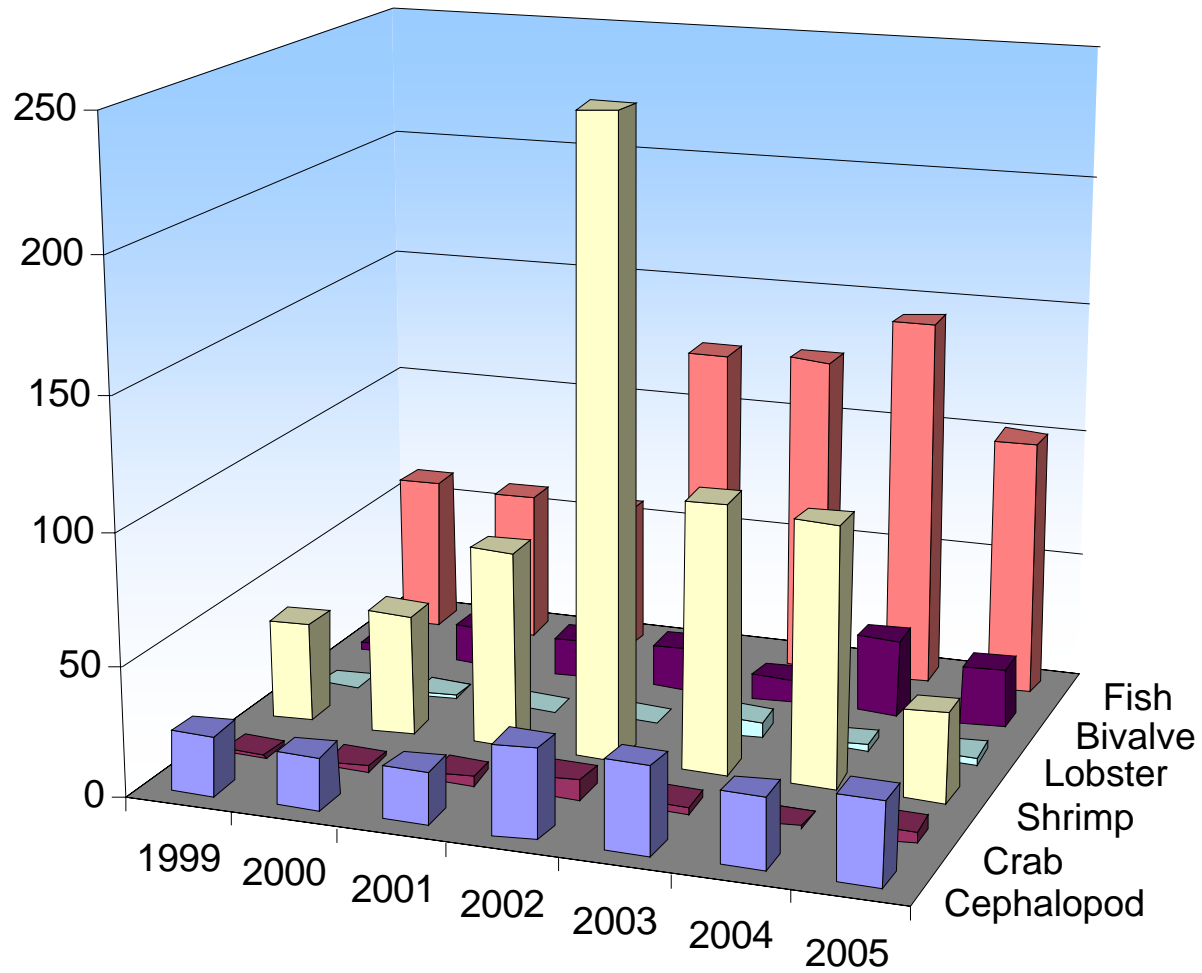
Microbial....



	1999	2000	2001	2002	2003	2004	2005 ¹	Totals	%
Listeria					3	9	10	22	3,3
E Coli	1	2	1	5	2	18	13	42	6,3
Salmonella	31	37	19	28	11	22	18	166	25,1
Staphylococcus	7	2	1	2	1	20	1	34	5,1
Enterobacteria	17	6	2	16	6	0	11	58	8,7
Vibrio sp.	32	42	39	52	21	30	9	225	34
Total counts		15	9	15	14	7	0	60	9,1
Other	1	5	0	0	7	2	3	18	2,7
Parasites	1	0	13	14	5	0	4	37	5,6
Totals	90	109	84	132	70	108	69	662	100

1-figures to August 2005

Species....

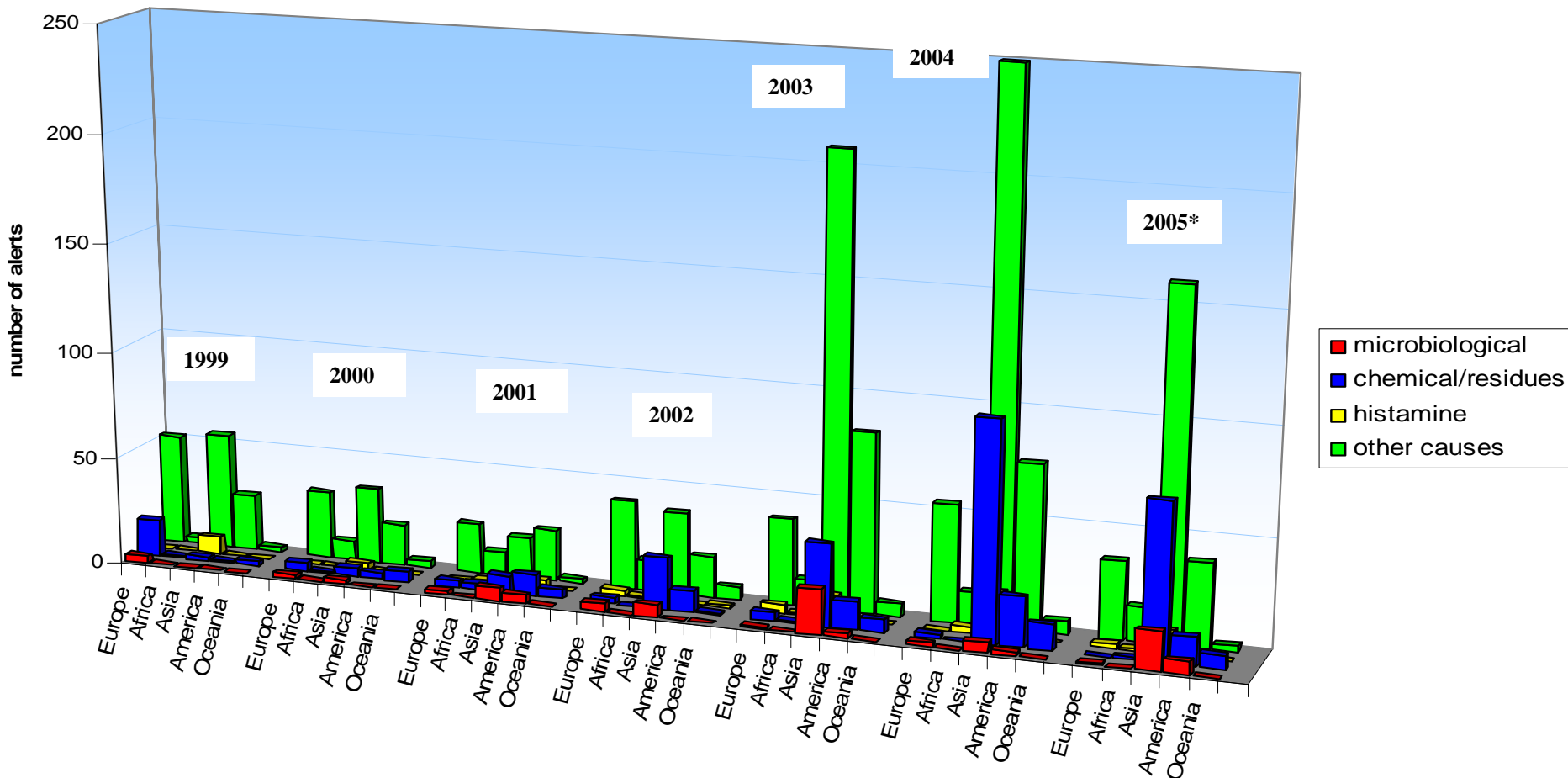




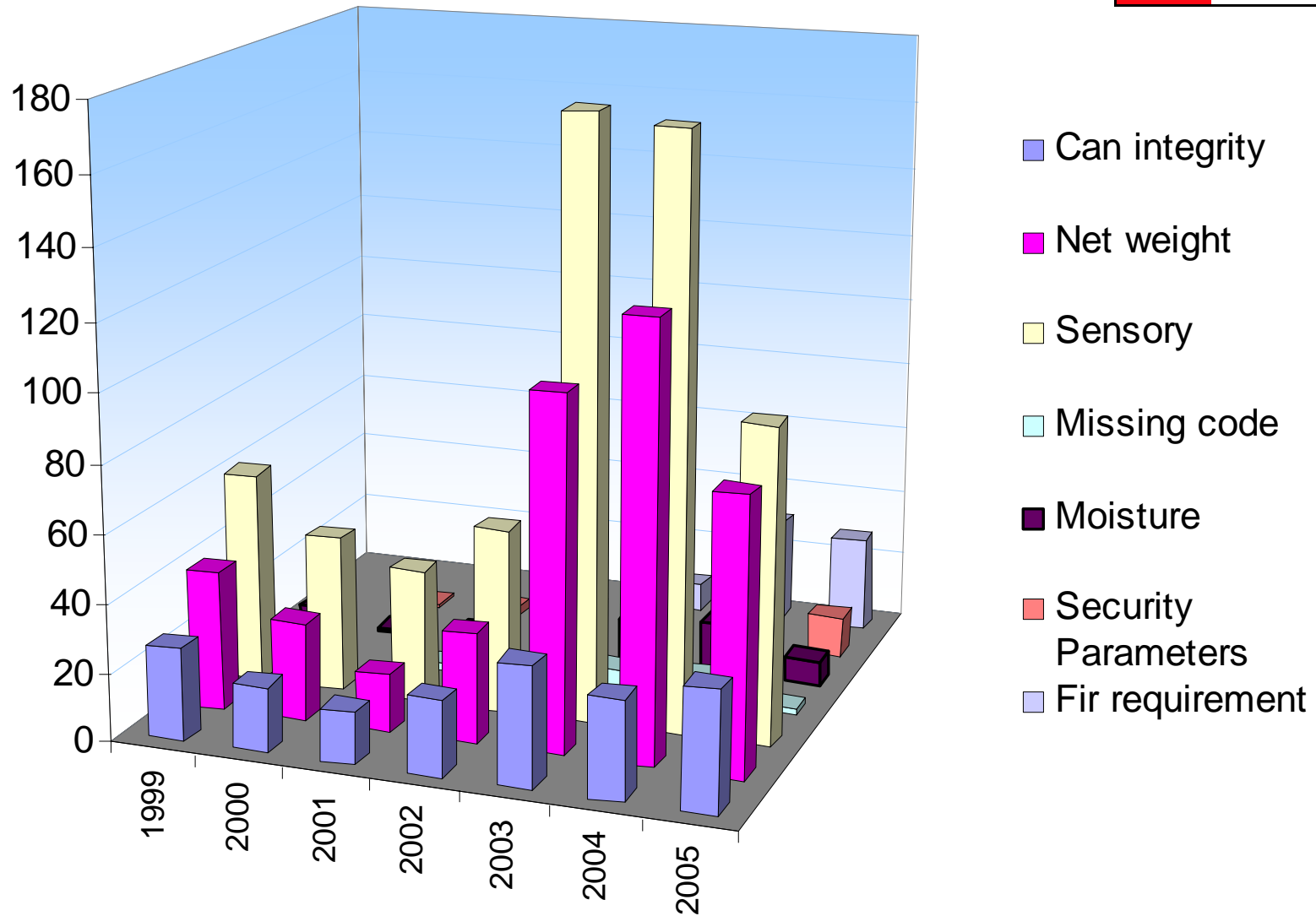
Alerts in Canada....



Distribution of notification of alerts dependent on country of origin and the nature of the risk Imports into Canada 1999 - 2005



Others....



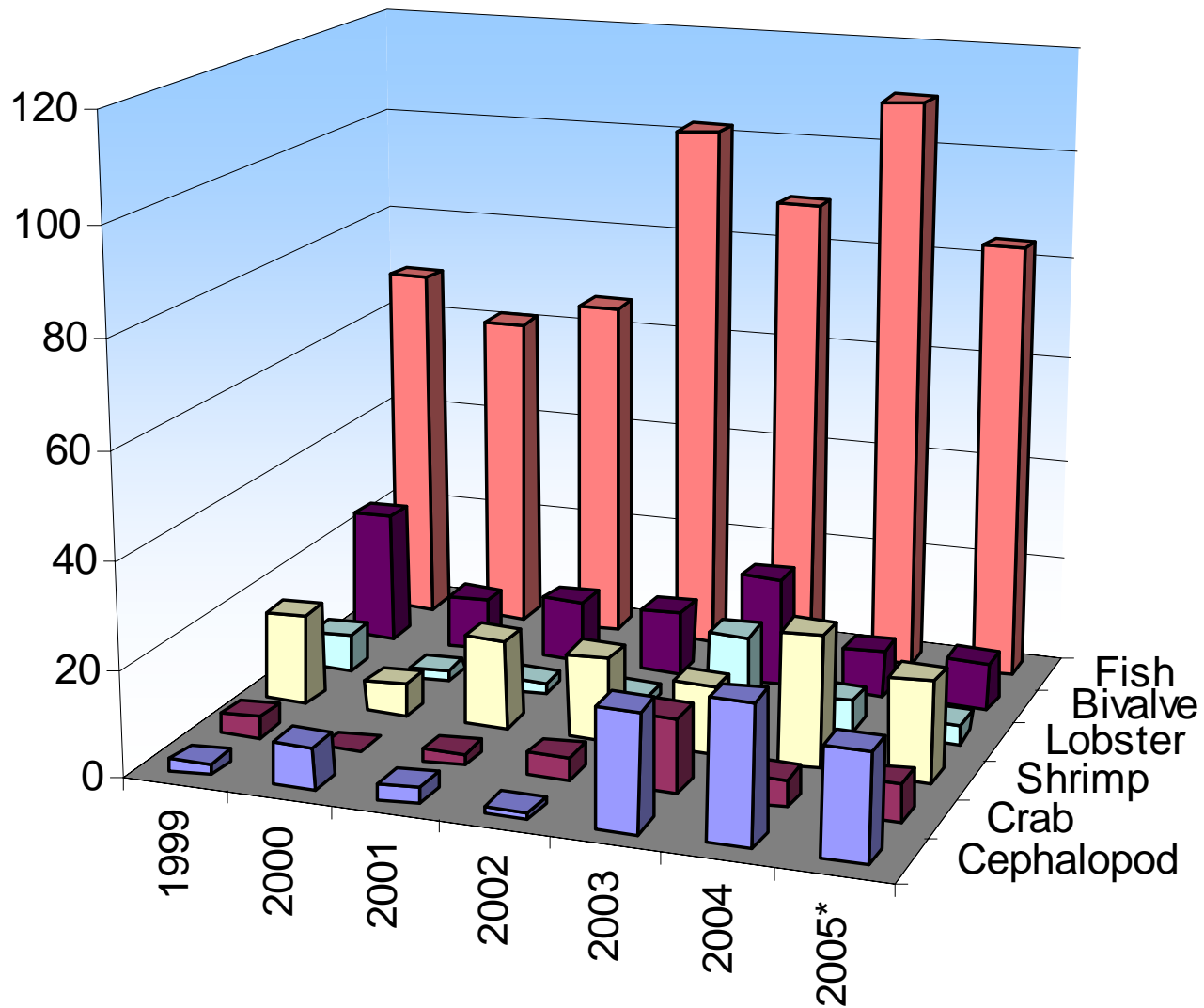
Chemical....



	1999	2000	2001	2002	2003	2004	2005*	Totals	%
Borate			2	1	3	1		7	1.7
Chloramph.				4	7	3	2	16	3.9
CO				9	2	1	1	13	3.1
Colourants	11					1	1	13	3.1
Gluco-delta lactone		1			1	1		3	0.7
Medicines		1		1	1	3	1	7	1.7
Mercury	4	5	14	5	8	9	12	57	13.8
Nitrate	4			5	1	2	8	20	4.8
Phosphate		1	1	1		8	5	16	3.9
Sorbate	1				4	1		6	1.4
Sorbitol		1						1	0.2
Sulphite	3	5	11	10	28	36	26	119	28.7
Tocopherol				2				2	0.5
Histamine	8	3	6	8	23	24	13	85	20.6
Malachite green						31	18	49	11.8
Total	31	17	34	46	78	121	60	414	100

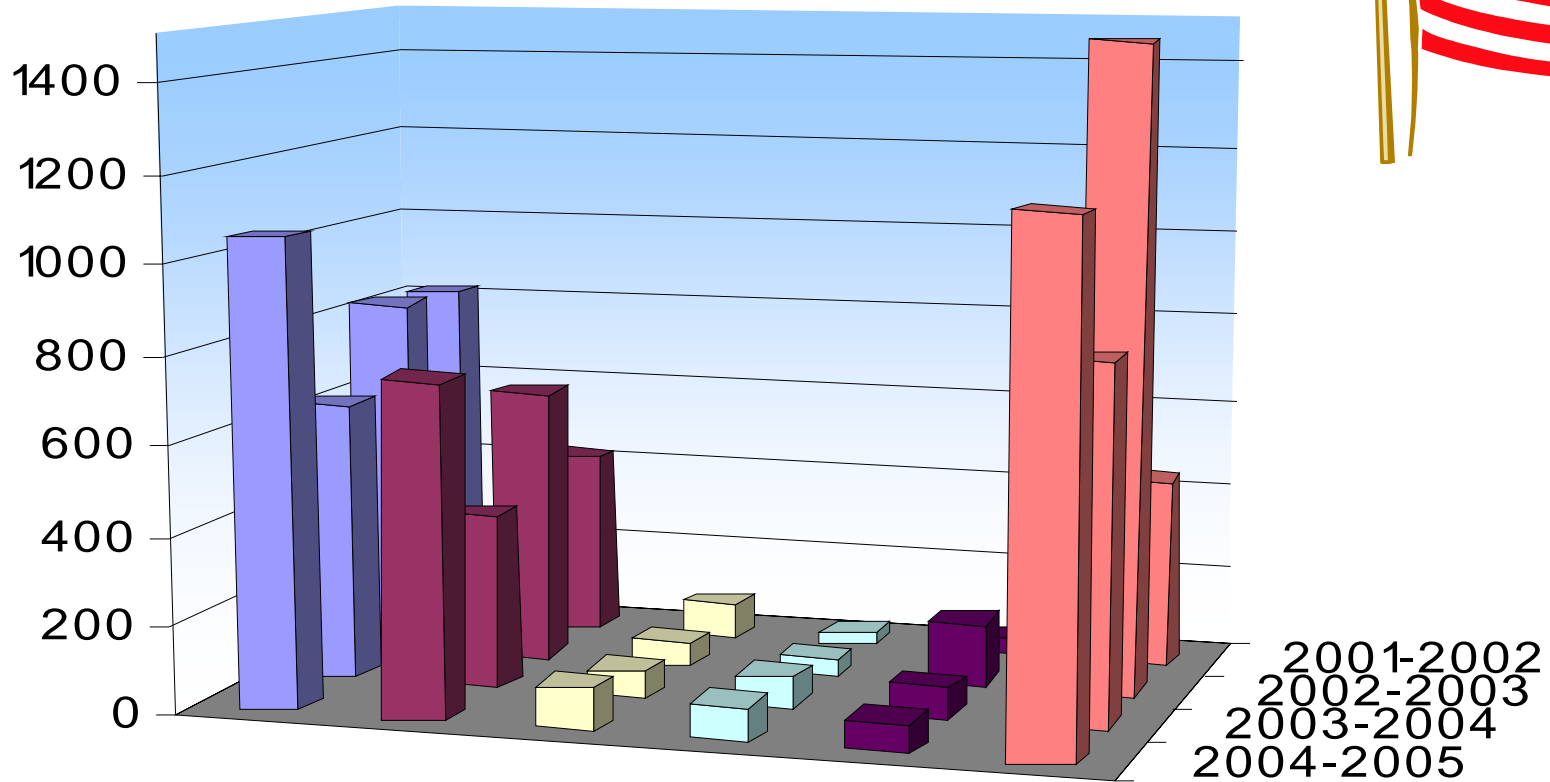
* data for the first 8 months

Species....

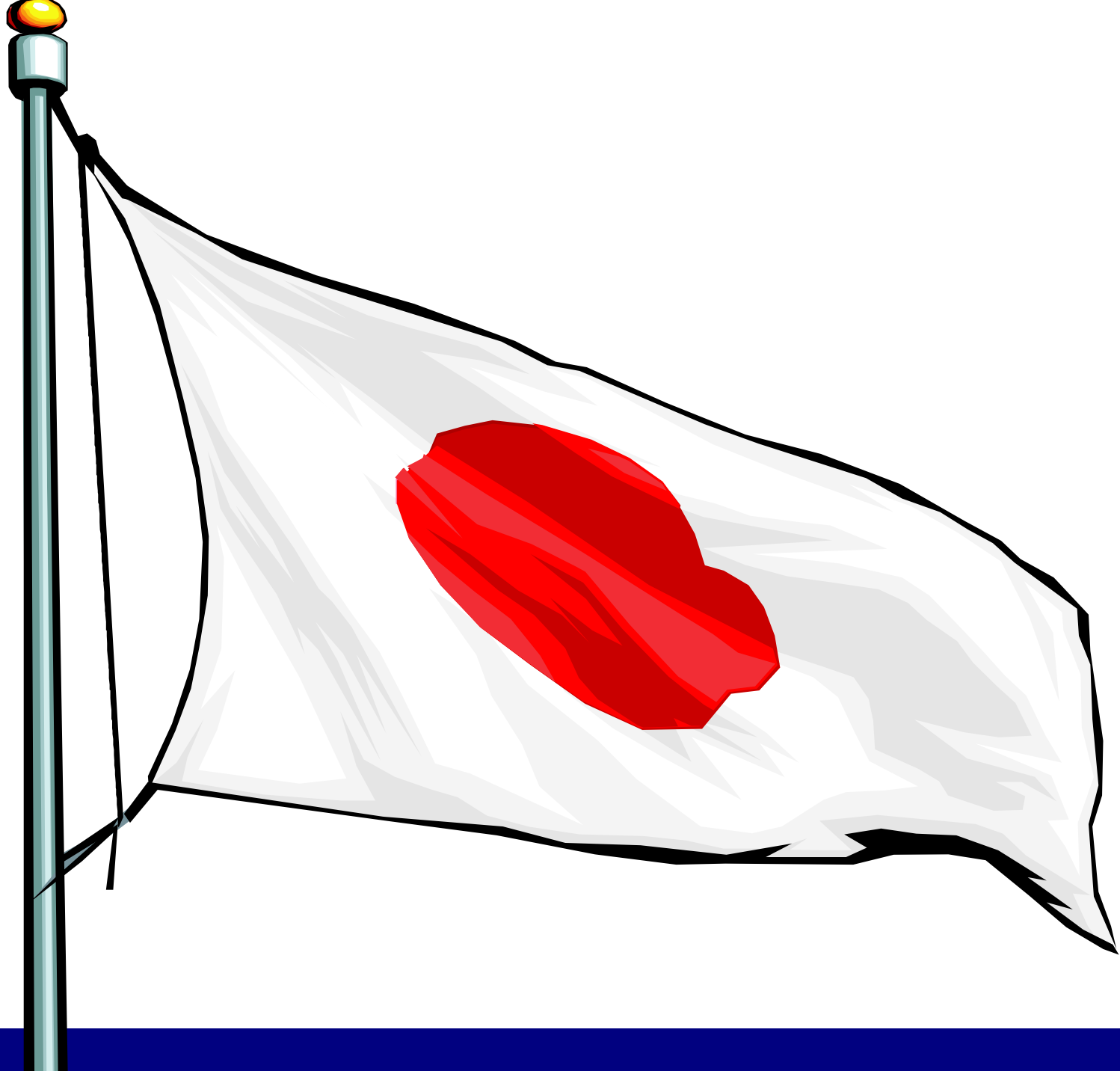




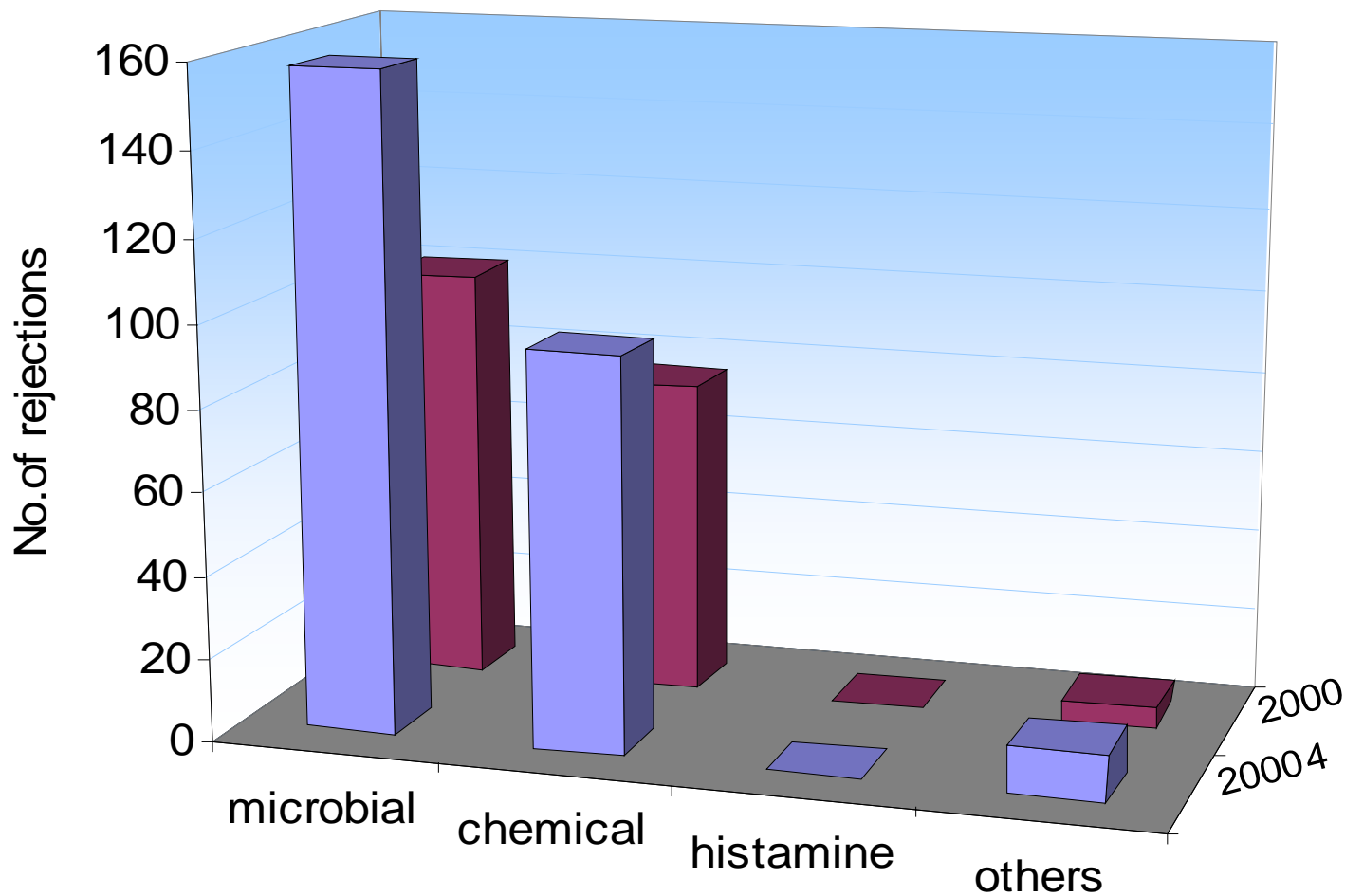
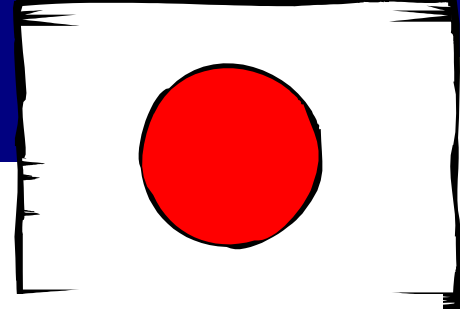
Border cases..



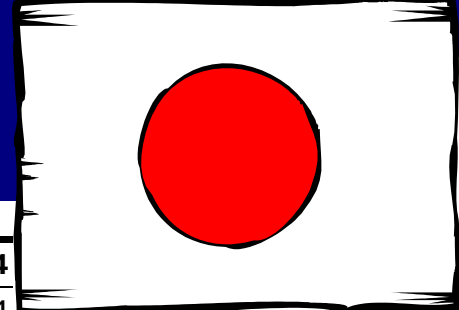
Filthy Salmonella Listeria Histamine Poison Other



Border cases

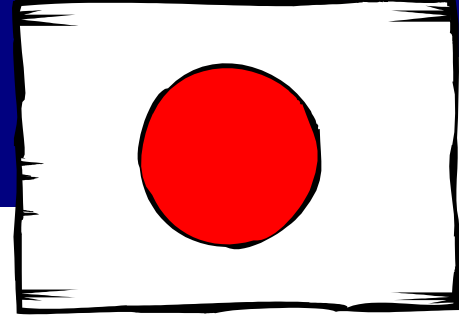


Border cases

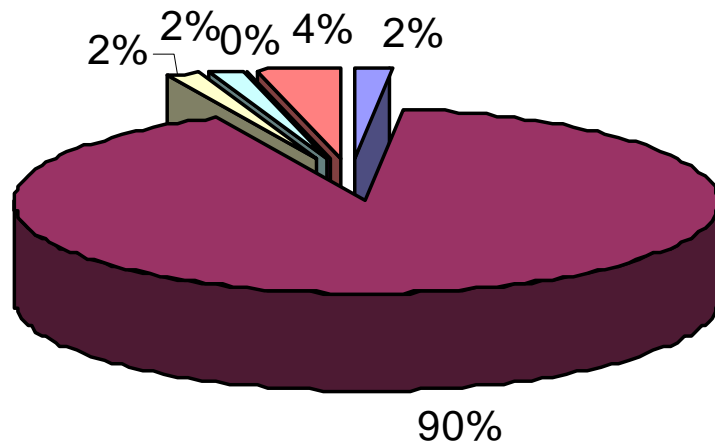


Violation		2000	2004
Bacterial	Coliforms	53	94
	High count (>100,000/g)	26	
	Live bacteria (>3,000,000/g)	15	40
	E. coli	6	24
Chemical	Antioxidants	20	-
	Preservatives	17	-
	Sulfer dioxide	0	16
	NO2	0	4
	CO	0	2
	Enrofloxacin	-	15
	Colourings	6	11
	Bleaching agents	1	-
	Ciguatoxin	24	-
	DSP	2	12
	PSP	1	8
	Oxytetracycline	5	25
Others	Violation of storage/ treatment	2	-
	Spoilage	1	-
	Mixed fish	1	7
	Metal particles	1	-
	Health certification		4
Totals		181	264

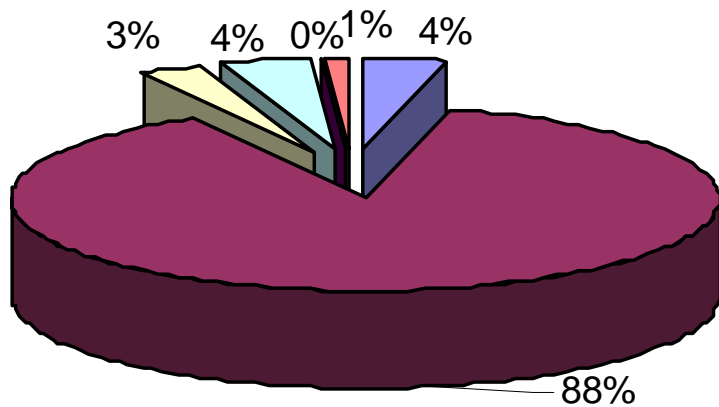
Border cases



2000



2004



- Europe
- Asia
- N.America
- S.America
- Africa
- Oceania

Border cases

Total border cases for major importing nations/regions (incidents)

	1999	2000	2001	2002	2003	2004	2005
EU	127	152	174	429	252	332	259 ³
Japan	-	181	-	-	-	246*	29 ⁰
USA	-	-	667 ²	1927	1505 ¹	2282	1644 ³
Canada	170	121	125	174	459	445	404 ³

“ - ” means no data

“ *Italic* ”- data not complete:

“ 0 ” data only for 01-02.2005

“ 1 ” first 6 months of 2003

“ 2 ” last 6 months of 2001

“ 3 ” first 8 months of 2005

“ * ” data for 8 months from 04 to 12. 2004

Conclusions

- Long way before harmonization of control at border and generalizations of prevention at source (equivalence)
- Border cases are increasing
- Some emerging issues (malachite green) and persistent ones (nitrofurans, Hg, hygiene)
- **ISSUES:**
 - Chloramphenicol under control?
 - Microbiological causes?
 - Harmonization and equivalency
 - Analysis of Risk/benefits vs. the precautionary principle (e.g. microbiological criteria)