

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

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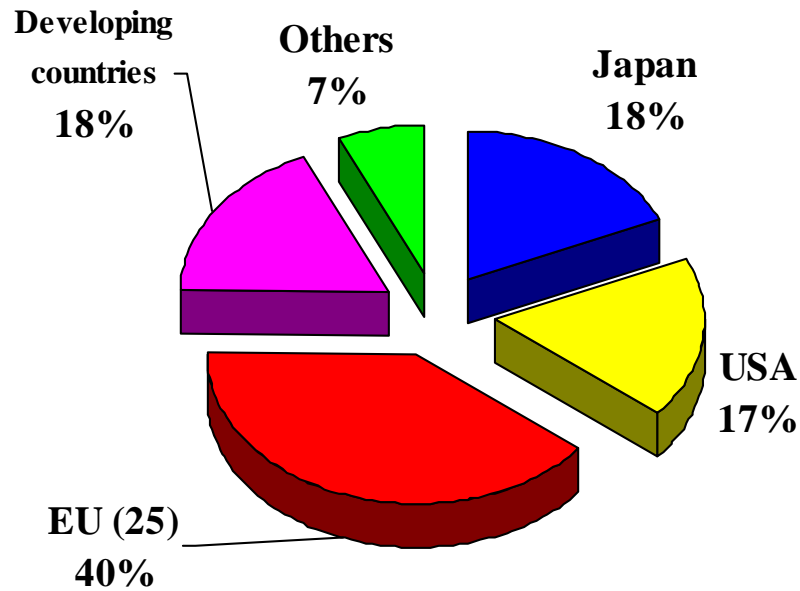
**Punta Del Este, Uruguay**

**27 November 2006**

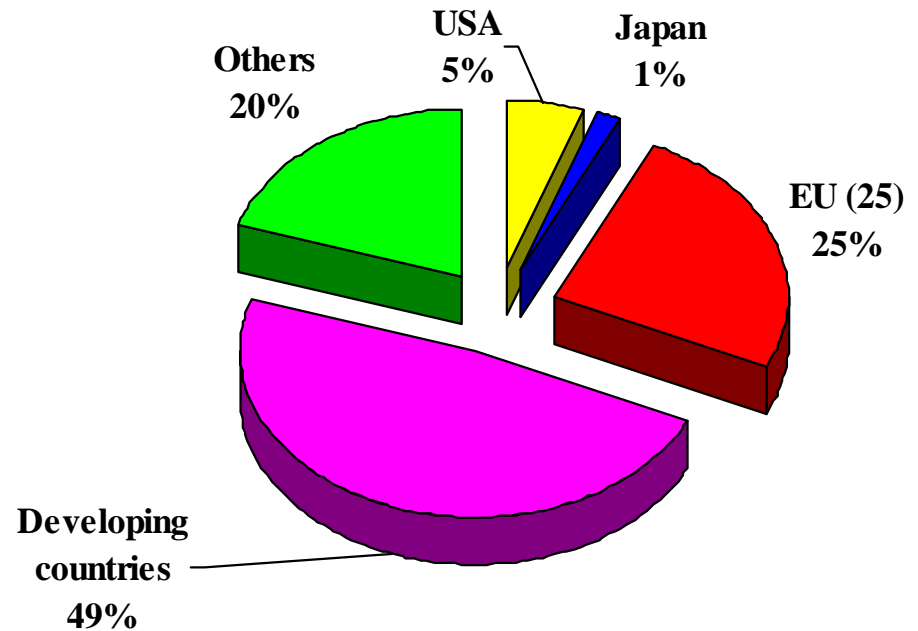
# Background

## 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**

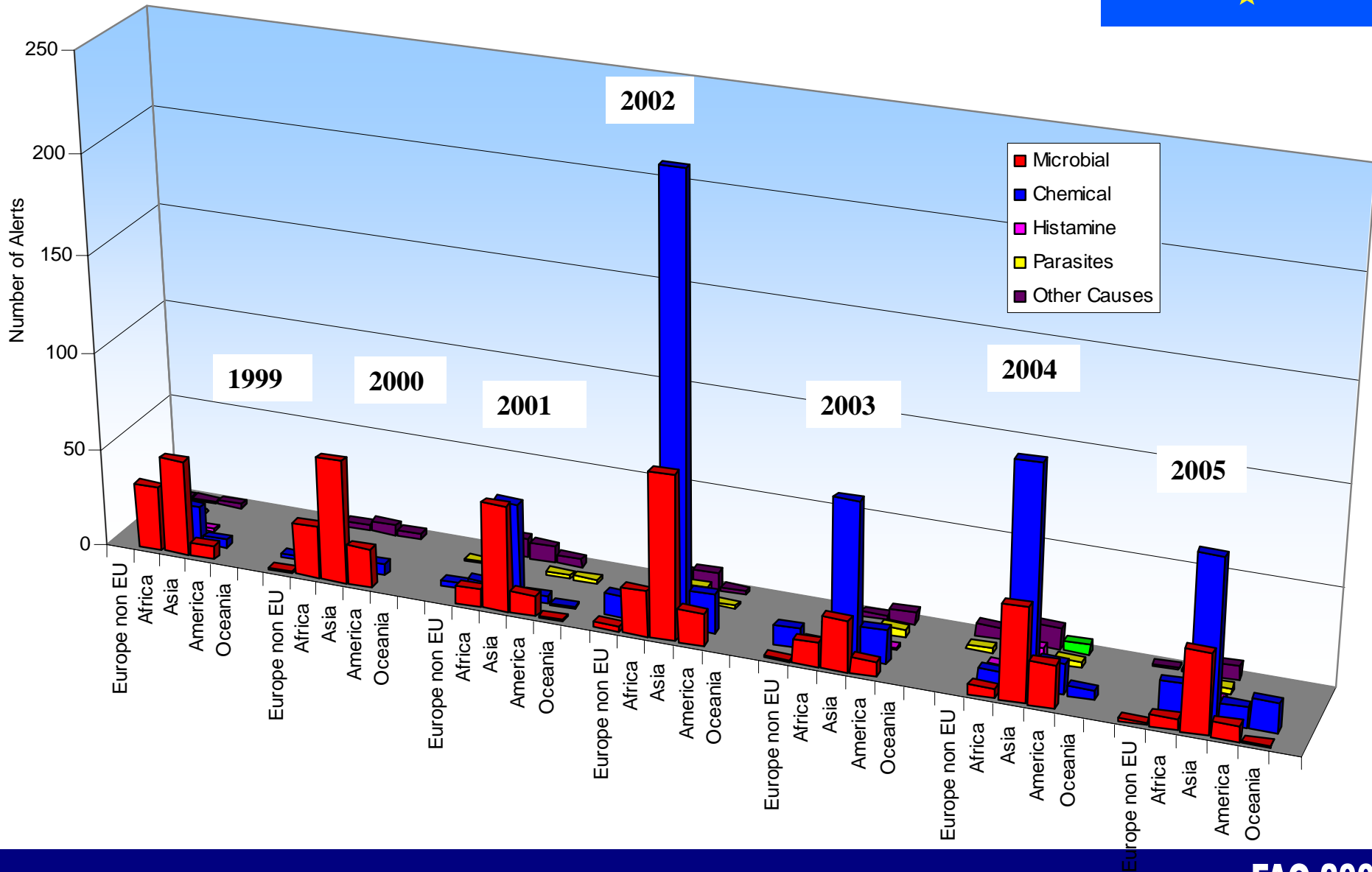
# Comparison of fish import systems

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

\*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 <sup>1</sup>	Totals	%
<b>Cadmium</b>	<b>12</b>	<b>7</b>	<b>5</b>	<b>12</b>	<b>58</b>	<b>33</b>	<b>31</b>	<b>158</b>	<b>16,8</b>
<b>Chloramphenicol</b>			<b>44</b>	<b>102</b>	<b>9</b>	<b>8</b>		<b>163</b>	<b>17,4</b>
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
<b>Mercury</b>	<b>14</b>	<b>11</b>	<b>11</b>	<b>19</b>	<b>19</b>	<b>26</b>	<b>22</b>	<b>122</b>	<b>13</b>
<b>Nitrofurantoin</b>				<b>89</b>	<b>51</b>	<b>27</b>	<b>20</b>	<b>187</b>	<b>20</b>
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
<b>Totals</b>	<b>32</b>	<b>32</b>	<b>68</b>	<b>279</b>	<b>186</b>	<b>173</b>	<b>165</b>	<b>935</b>	<b>100</b>

<sup>1</sup> figures to August 2005

# Microbial....

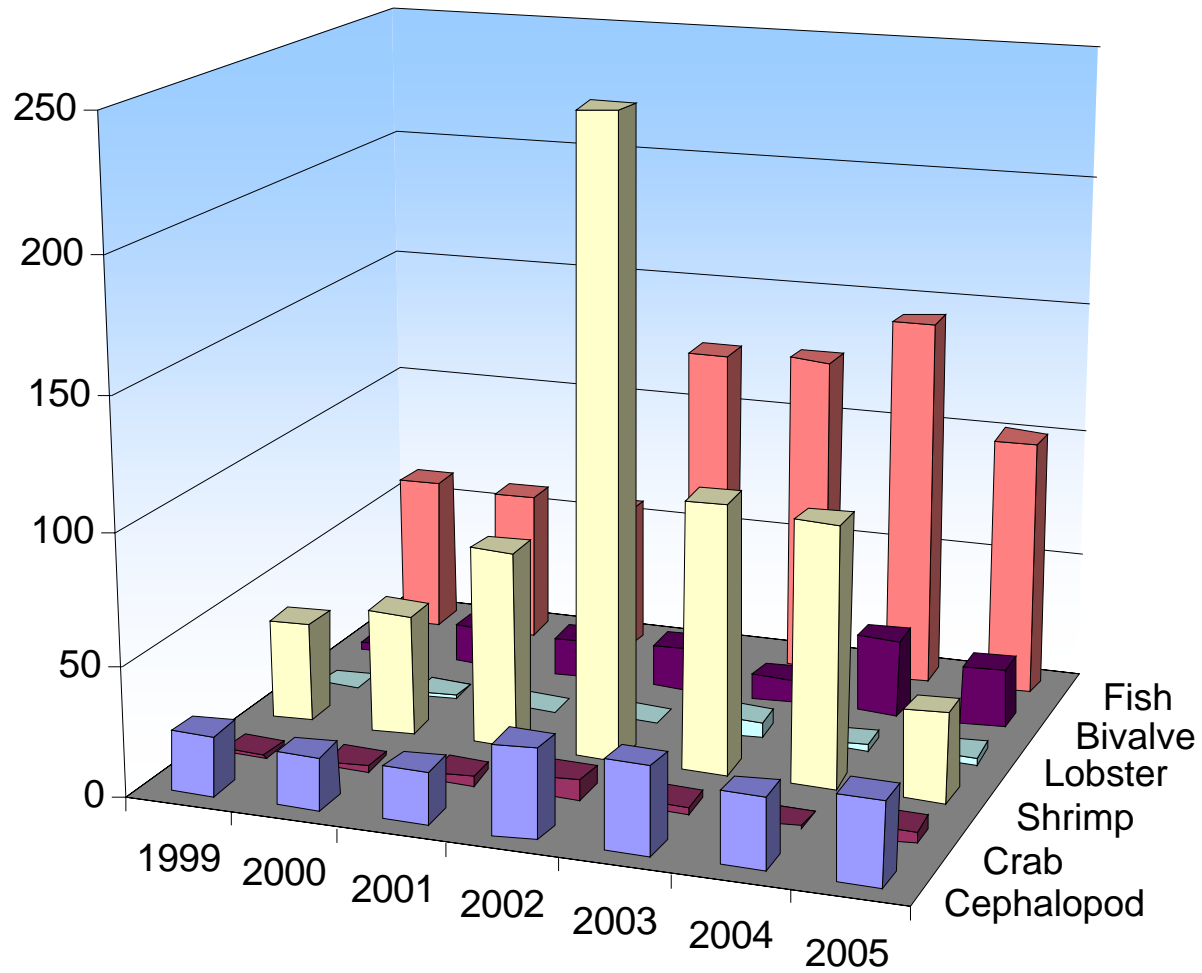


	1999	2000	2001	2002	2003	2004	2005 <sup>1</sup>	Totals	%
Listeria					3	9	10	22	3,3
E Coli	1	2	1	5	2	18	13	42	6,3
<b>Salmonella</b>	<b>31</b>	<b>37</b>	<b>19</b>	<b>28</b>	<b>11</b>	<b>22</b>	<b>18</b>	<b>166</b>	<b>25,1</b>
Staphylococcus	7	2	1	2	1	20	1	34	5,1
Enterobacteria	17	6	2	16	6	0	11	58	8,7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

*1-figures to August 2005*



# Species....

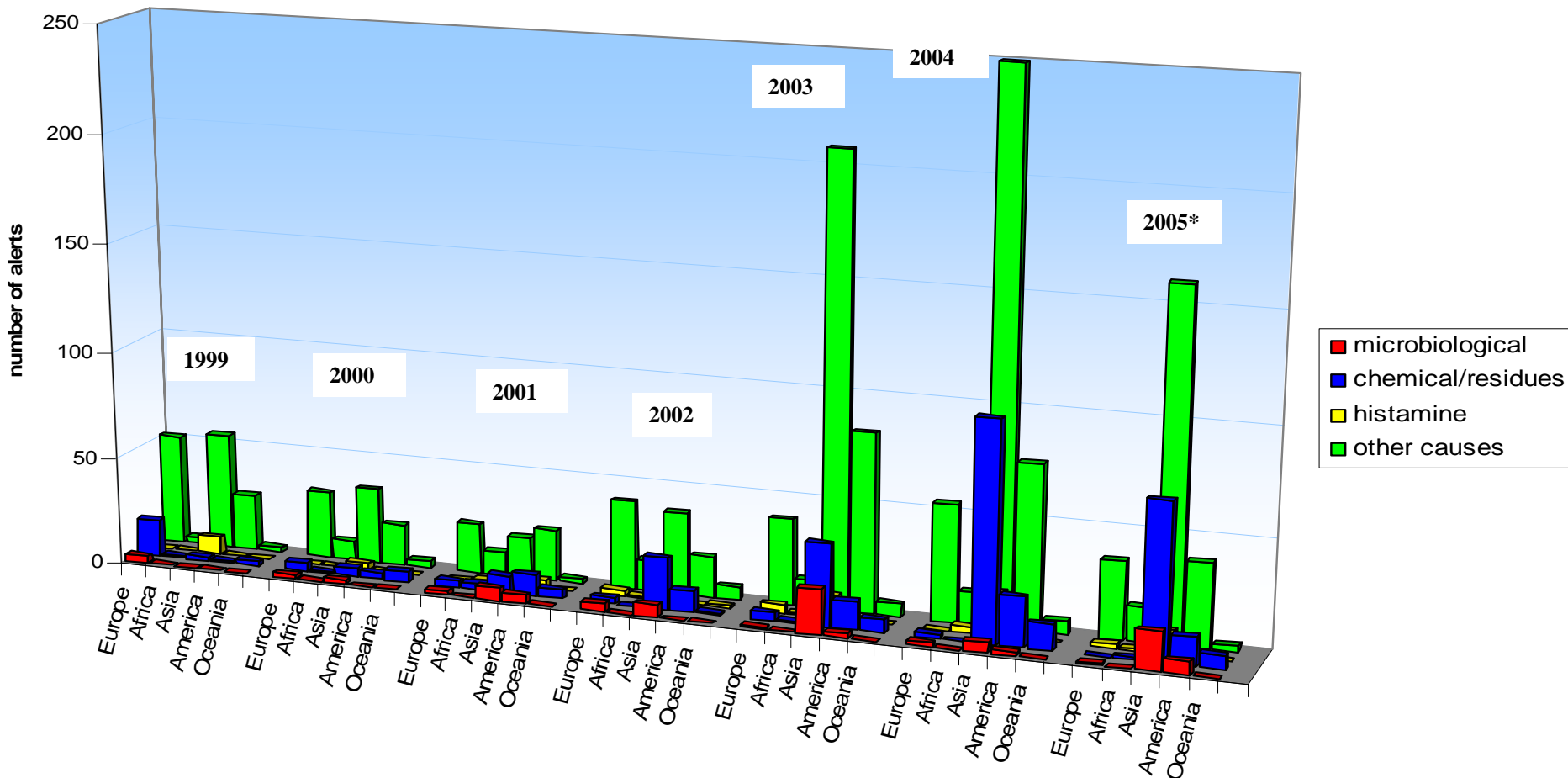




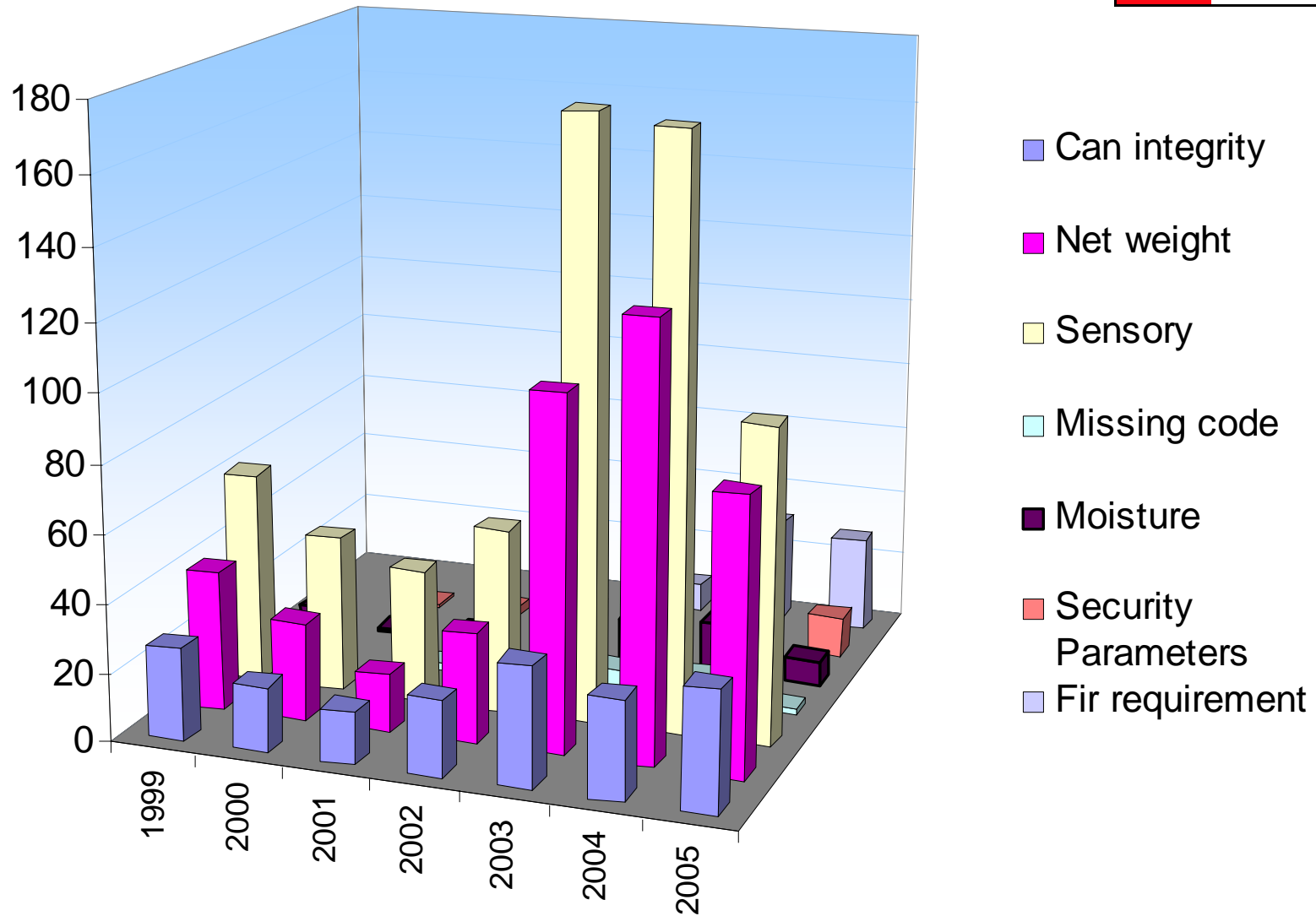
# Alerts in Canada....



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



# Others....



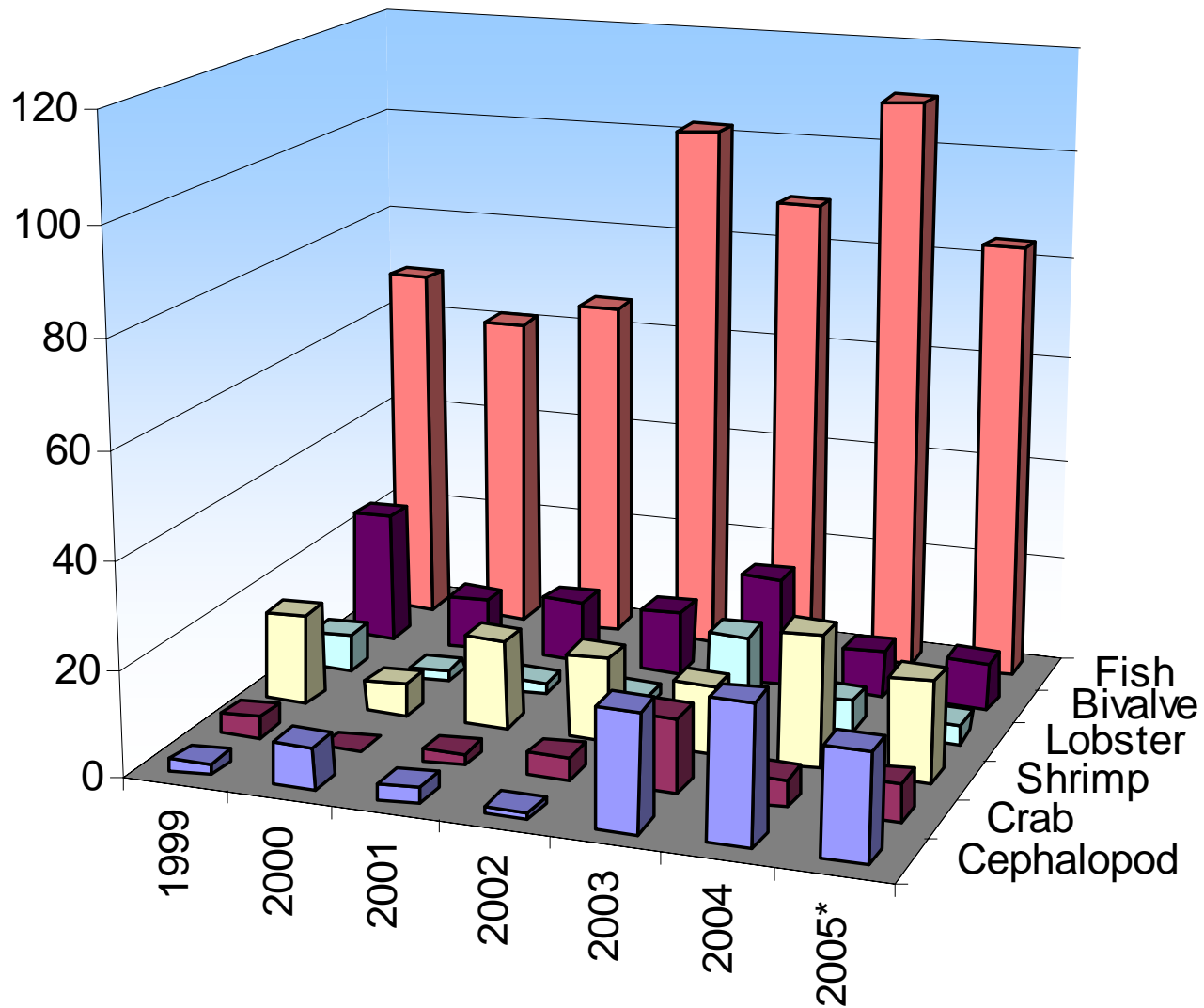
# Chemical....



	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
<b>Mercury</b>	<b>4</b>	<b>5</b>	<b>14</b>	<b>5</b>	<b>8</b>	<b>9</b>	<b>12</b>	<b>57</b>	<b>13.8</b>
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
<b>Sulphite</b>	<b>3</b>	<b>5</b>	<b>11</b>	<b>10</b>	<b>28</b>	<b>36</b>	<b>26</b>	<b>119</b>	<b>28.7</b>
Tocopherol				2				2	0.5
<b>Histamine</b>	<b>8</b>	<b>3</b>	<b>6</b>	<b>8</b>	<b>23</b>	<b>24</b>	<b>13</b>	<b>85</b>	<b>20.6</b>
<b>Malachite green</b>						<b>31</b>	<b>18</b>	<b>49</b>	<b>11.8</b>
<b>Total</b>	<b>31</b>	<b>17</b>	<b>34</b>	<b>46</b>	<b>78</b>	<b>121</b>	<b>60</b>	<b>414</b>	<b>100</b>

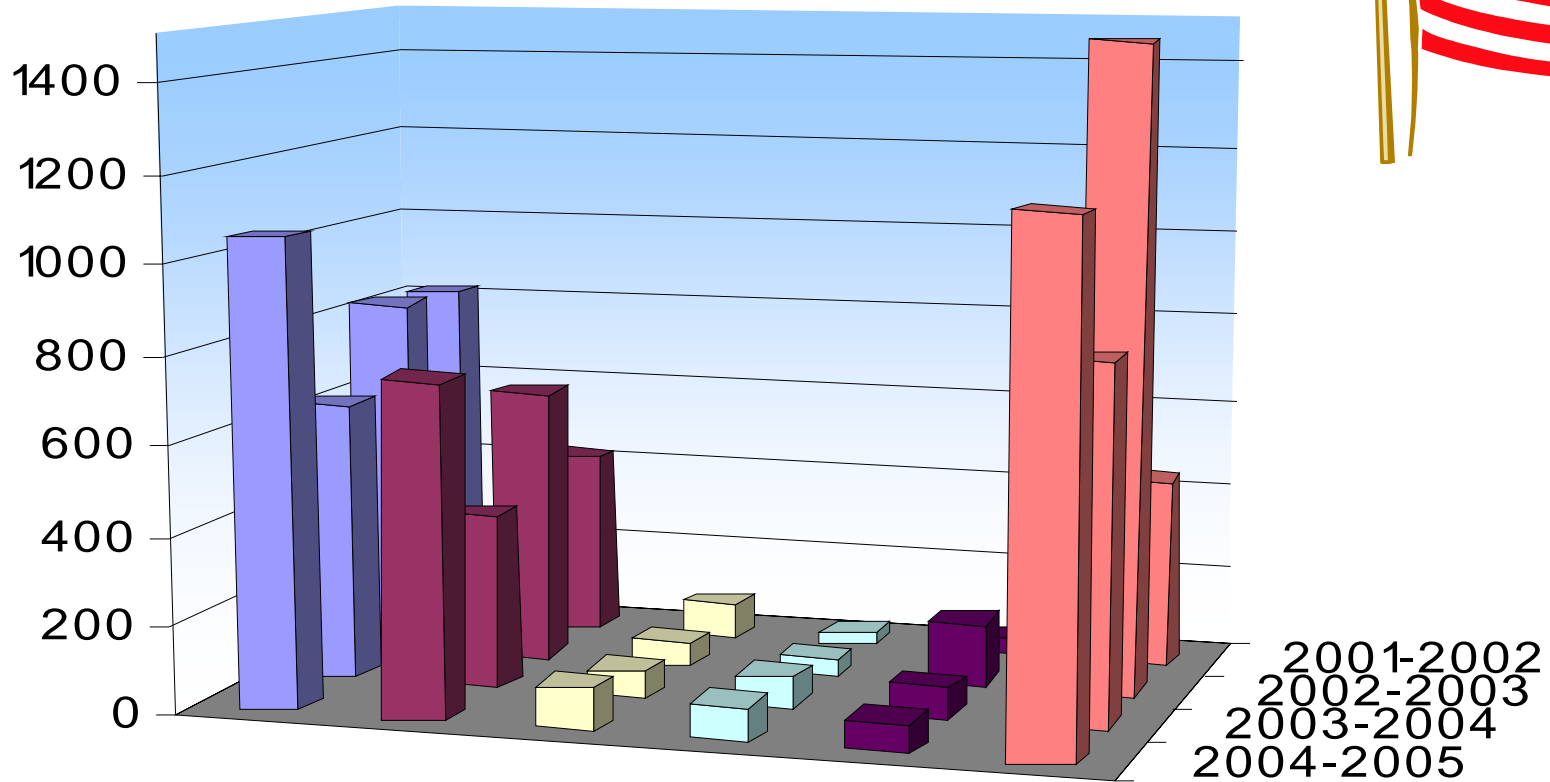
\* data for the first 8 months

# Species....



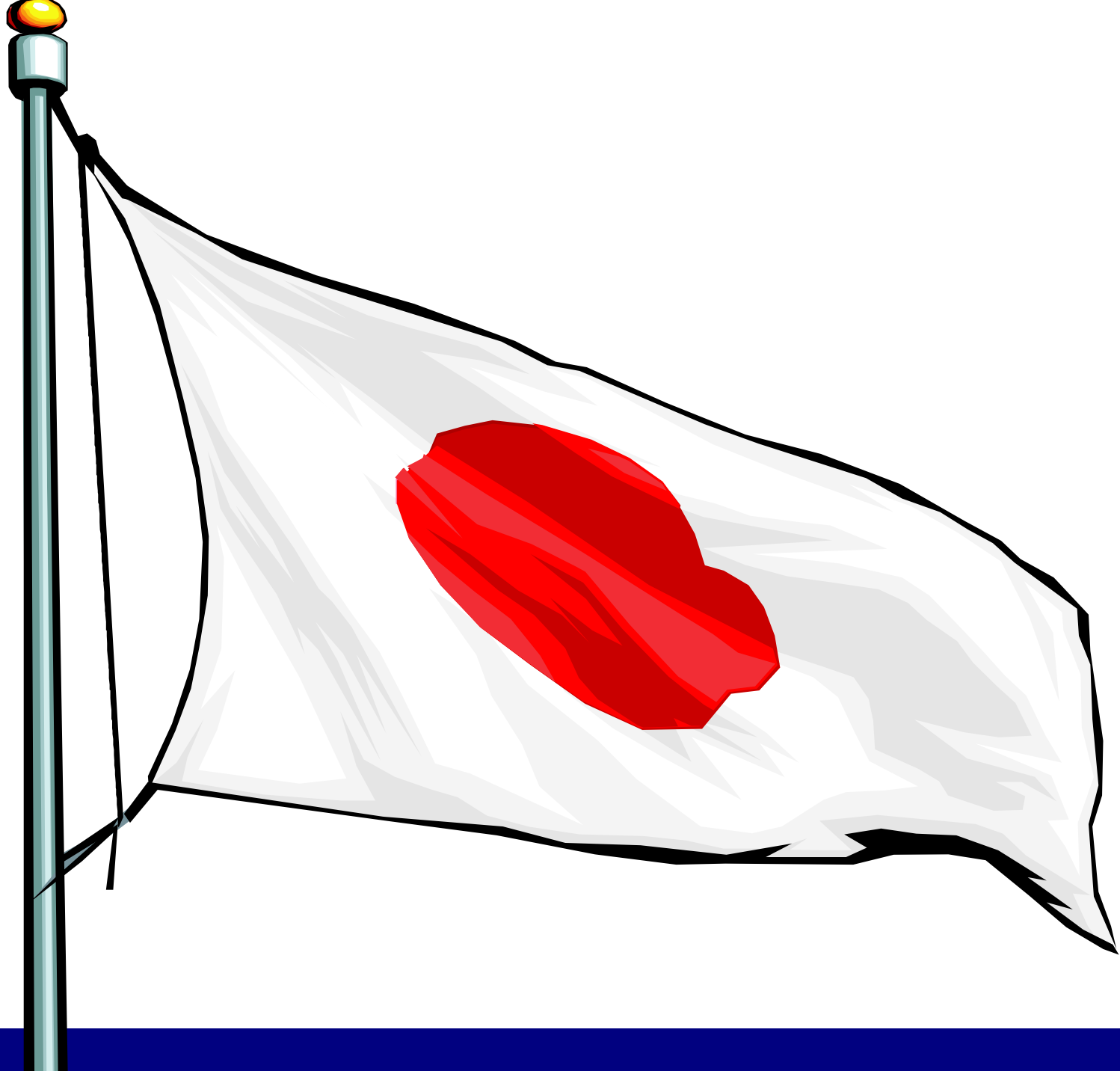


# Border cases..

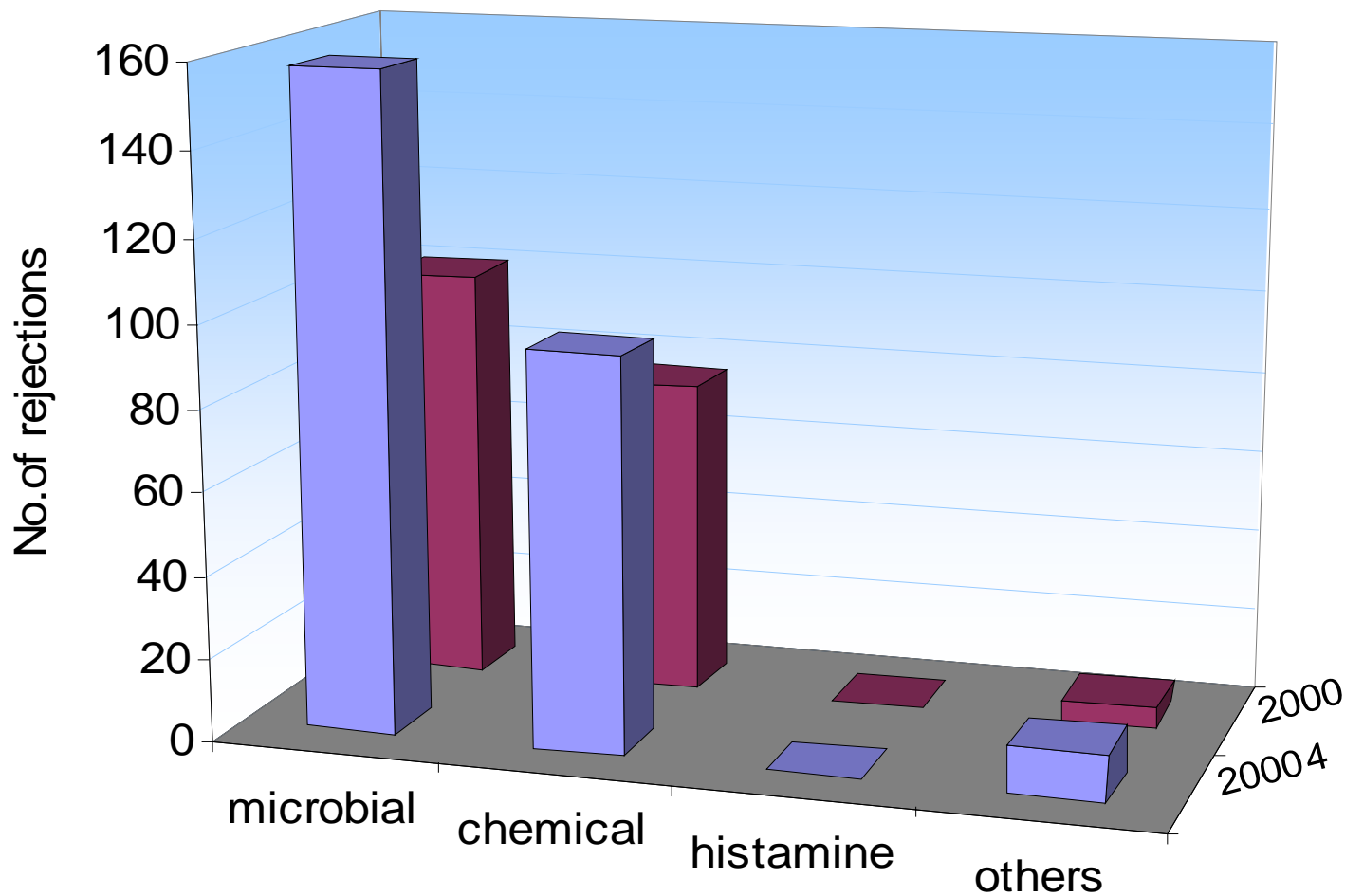
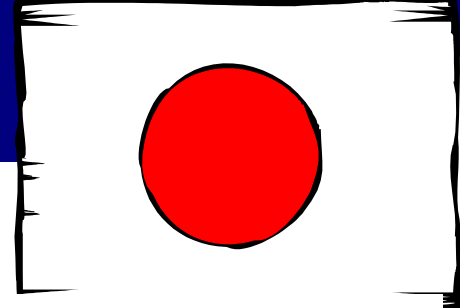


Filthy Salmonella Listeria Histamine Poison Other

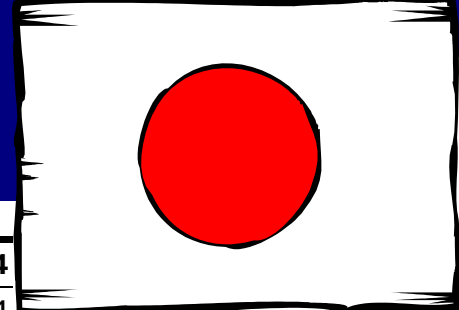




# Border cases

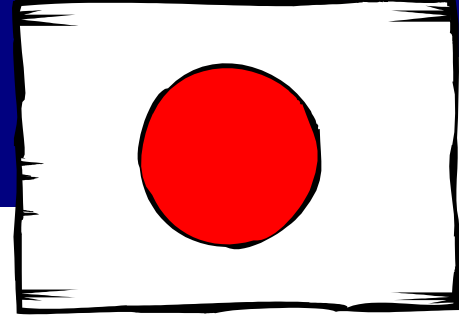


# Border cases

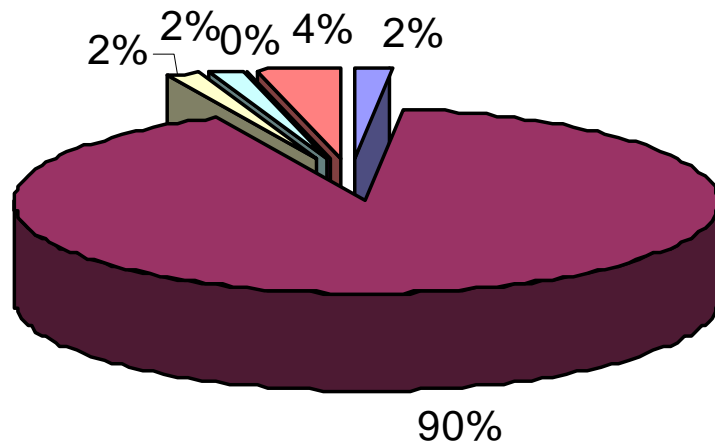


Violation		2000	2004
Bacterial	Coliforms	53	94
	High count (>100,000/g)	26	
	Live bacteria (>3,000,000/g)	15	40
	E. coli	6	24
Chemical	Antioxidants	20	-
	Preservatives	17	-
	Sulfer dioxide	0	16
	NO2	0	4
	CO	0	2
	Enrofloxacin	-	15
	Colourings	6	11
	Bleaching agents	1	-
	Ciguatoxin	24	-
	DSP	2	12
	PSP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

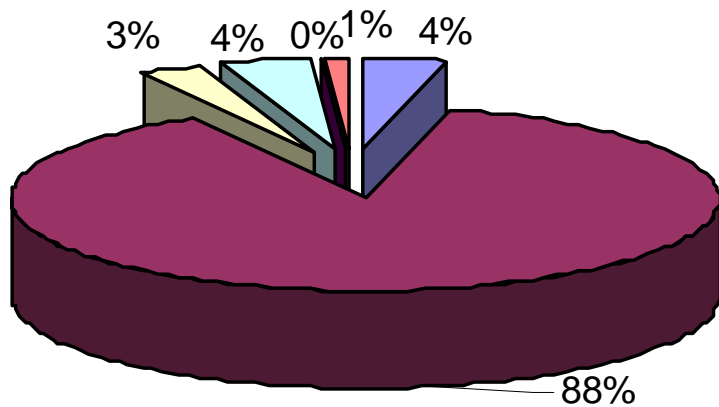
# Border cases



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 <sup>3</sup>
Japan	-	181	-	-	-	246*	29 <sup>0</sup>
USA	-	-	667 <sup>2</sup>	1927	1505 <sup>1</sup>	2282	1644 <sup>3</sup>
Canada	170	121	125	174	459	445	404 <sup>3</sup>

“ - ” 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)