

# *Standard and Certification to Promote Food Safety, Trade Sustainability, and Supply Chain Connectivity*

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# Outline

- \* **Food safety in globalized world**
- \* **Food safety standard and certification**
- \* **Sustainable and fair food trade**
- \* **Food safety certification and its role in trade**

# Food safety in globalized world

## Food safety?

A condition and/or effort such that foods do not contain biological, chemical or physical hazards at level that can cause adverse effects on human's health

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# Food safety in globalized world

- \* World Integrated Trade Solution Database (<http://wits.worldbank.org/wits/gptad.html>)

Already ~ 40% of all trade in food, agriculture, fisheries occurs between **developing** and **developed countries**.

# Food safety standard and certification

## Code of Good Regulatory practices:

1

- Transparent

2

- Open

3

- Consensus and independent

4

- Effective

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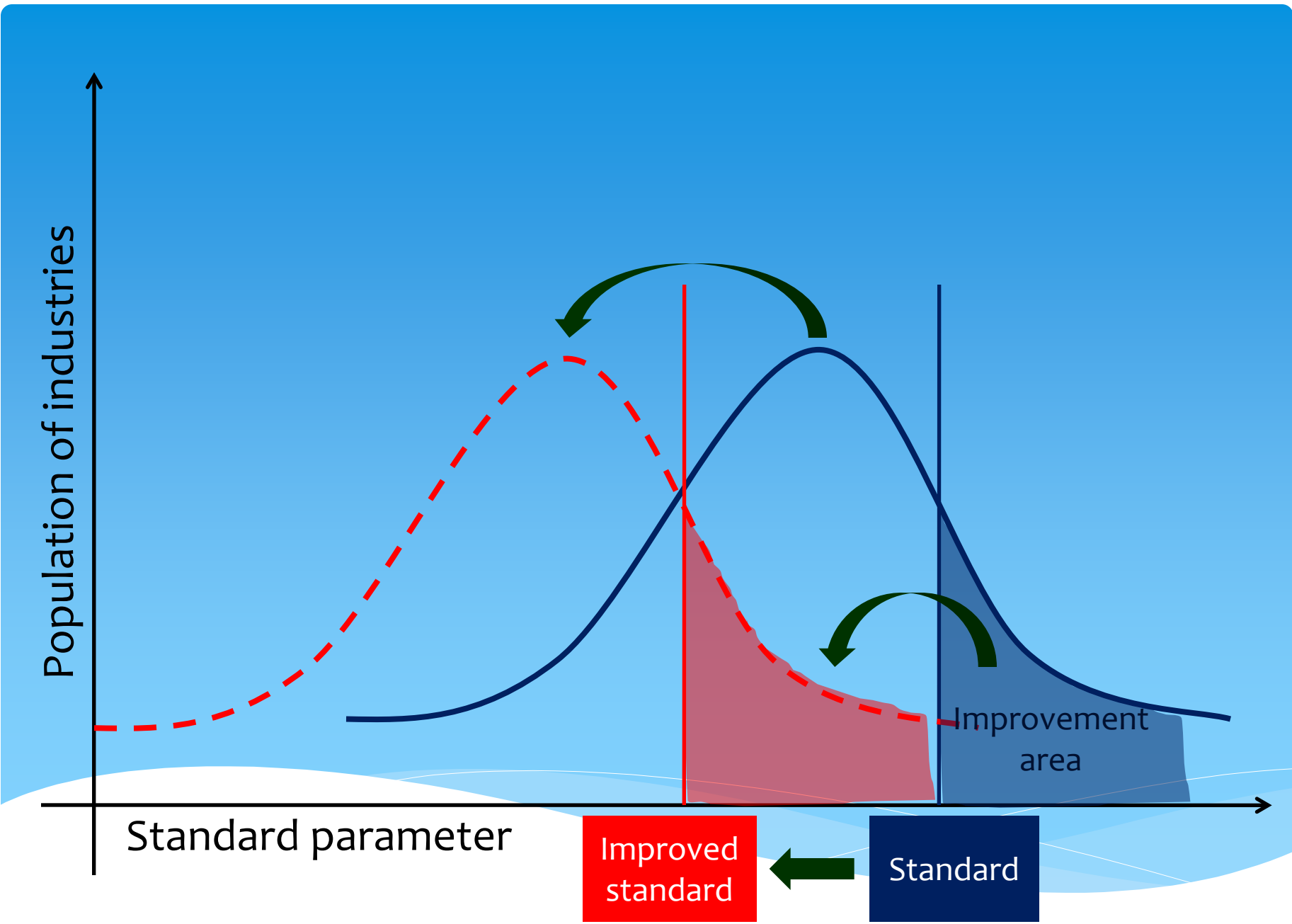
- Effective and relevant

6

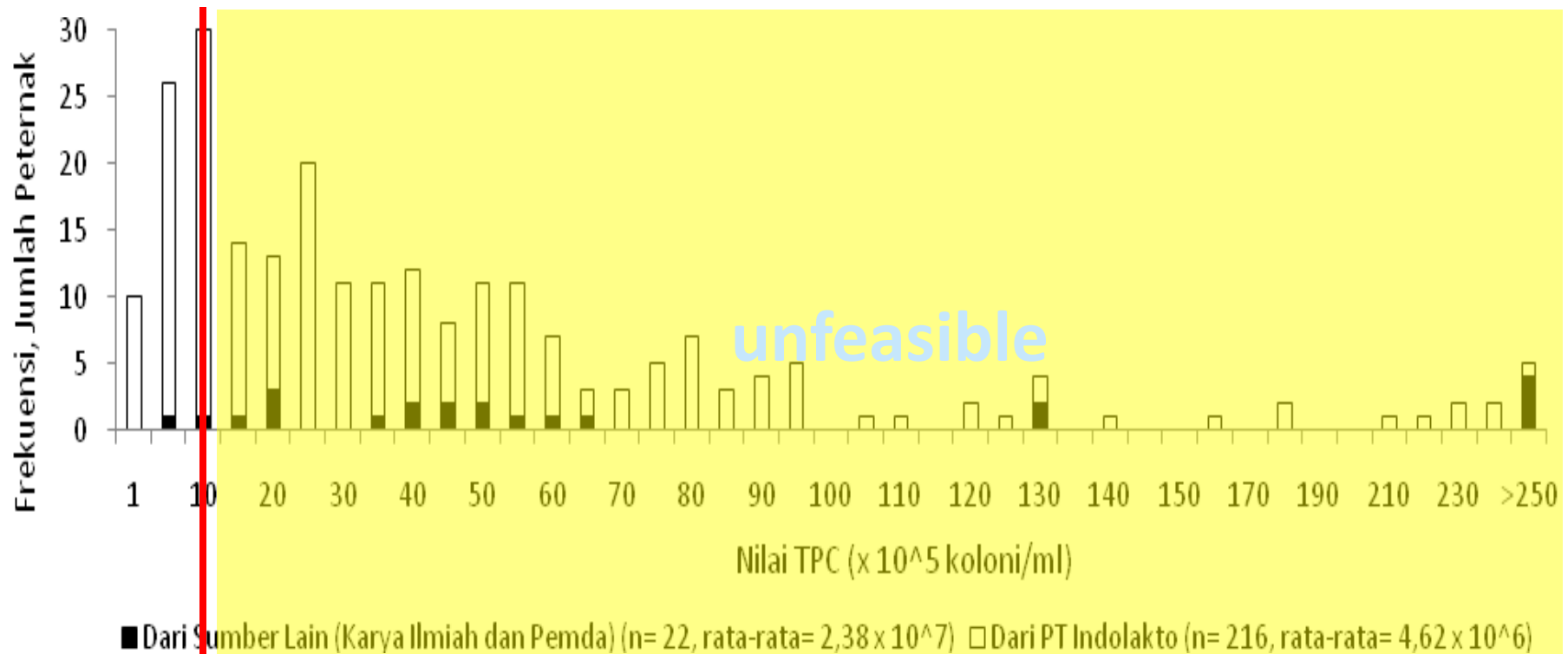
- Coherent

7

- Development dimension



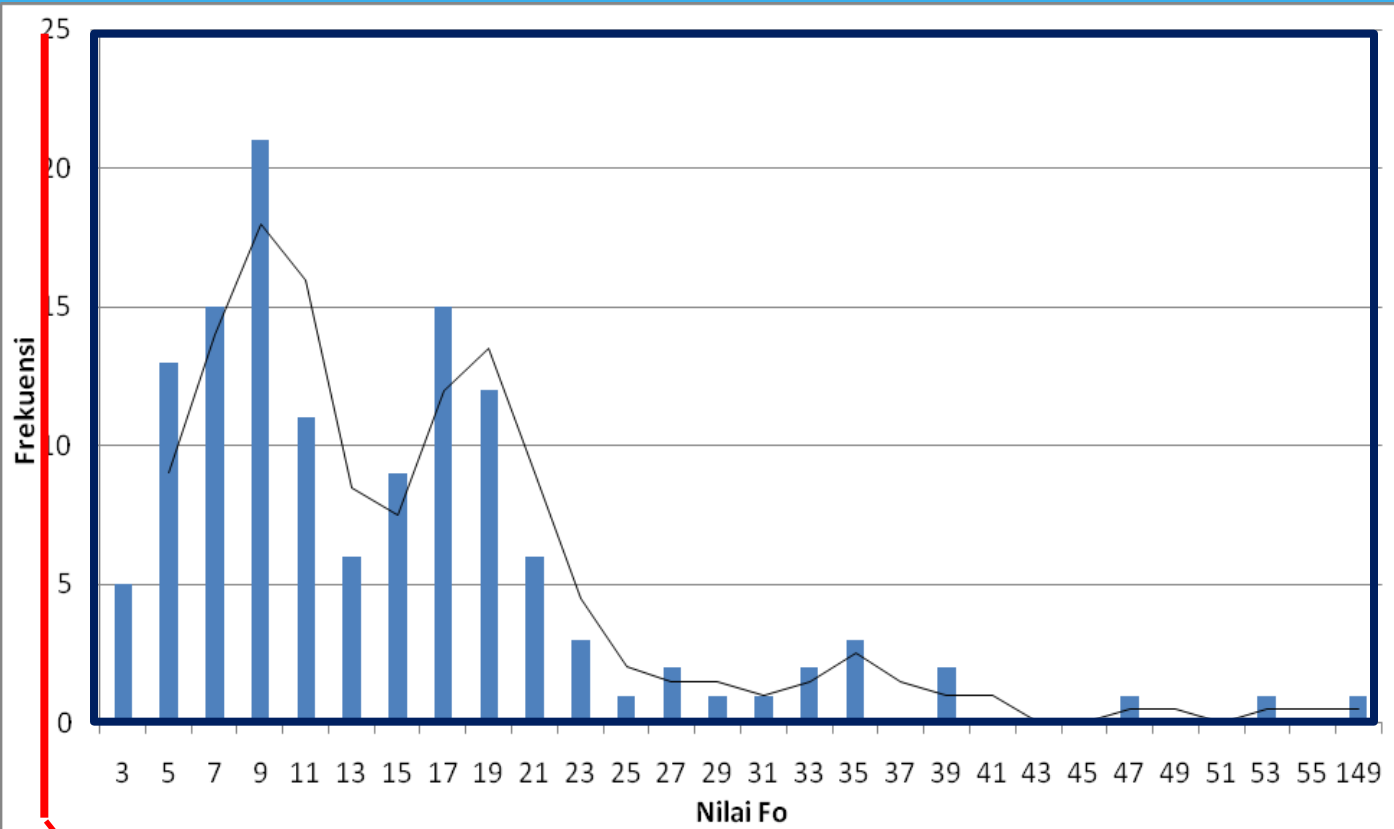
# Example: unfeasible standard



SNI: TPC of fresh milk  $\leq 1 \times 10^6$



# Example: food safety is not ensured



Not able to protect consumer safety

Hariyadi (2010)

68	Ikan dan produk perikanan awet, meliputi ikan dan produk perikanan yang dikalengkan atau difermentasi, termasuk moluska, krustase dan ekinodermata	ALT aerob termofilik (30°C, 72 jam)	<math>1 \times 10^1</math> koloni/g
		ALT anaerob (30°C, 72 jam)	<math>1 \times 10^1</math> koloni/g
		<i>Clostridium sp</i>	negatif/g



BADAN PENGAWAS OBAT DAN MAKANAN  
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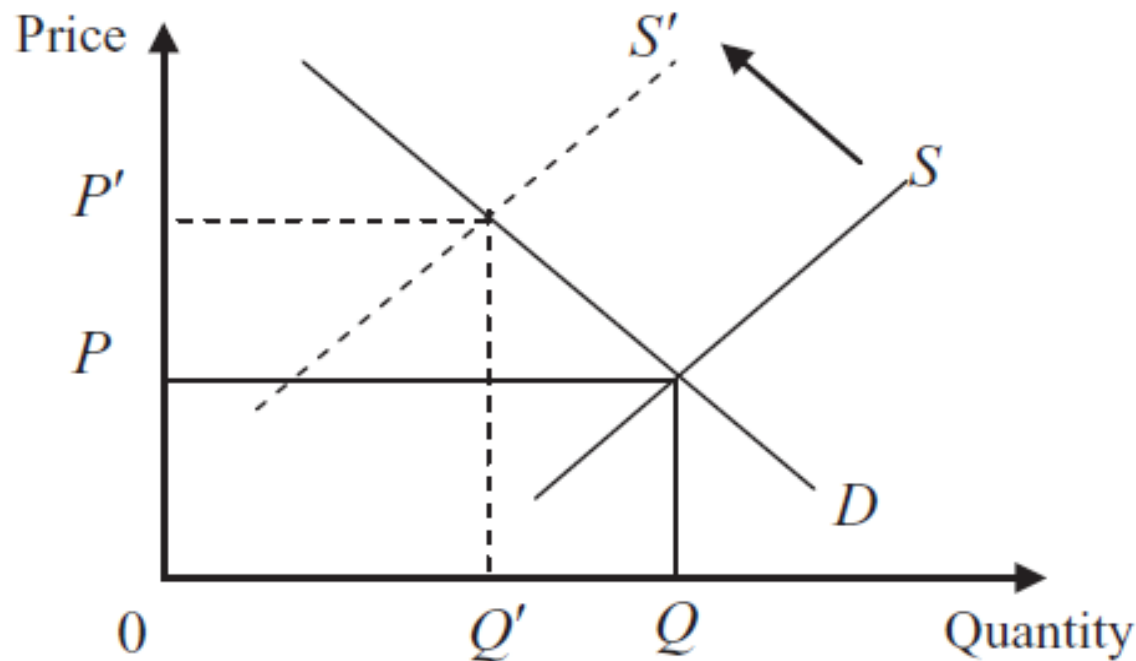
PERATURAN  
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TENTANG

PENETAPAN BATAS MAKSIMUM CEMARAN MIKROBA DAN KIMIA  
DALAM MAKANAN

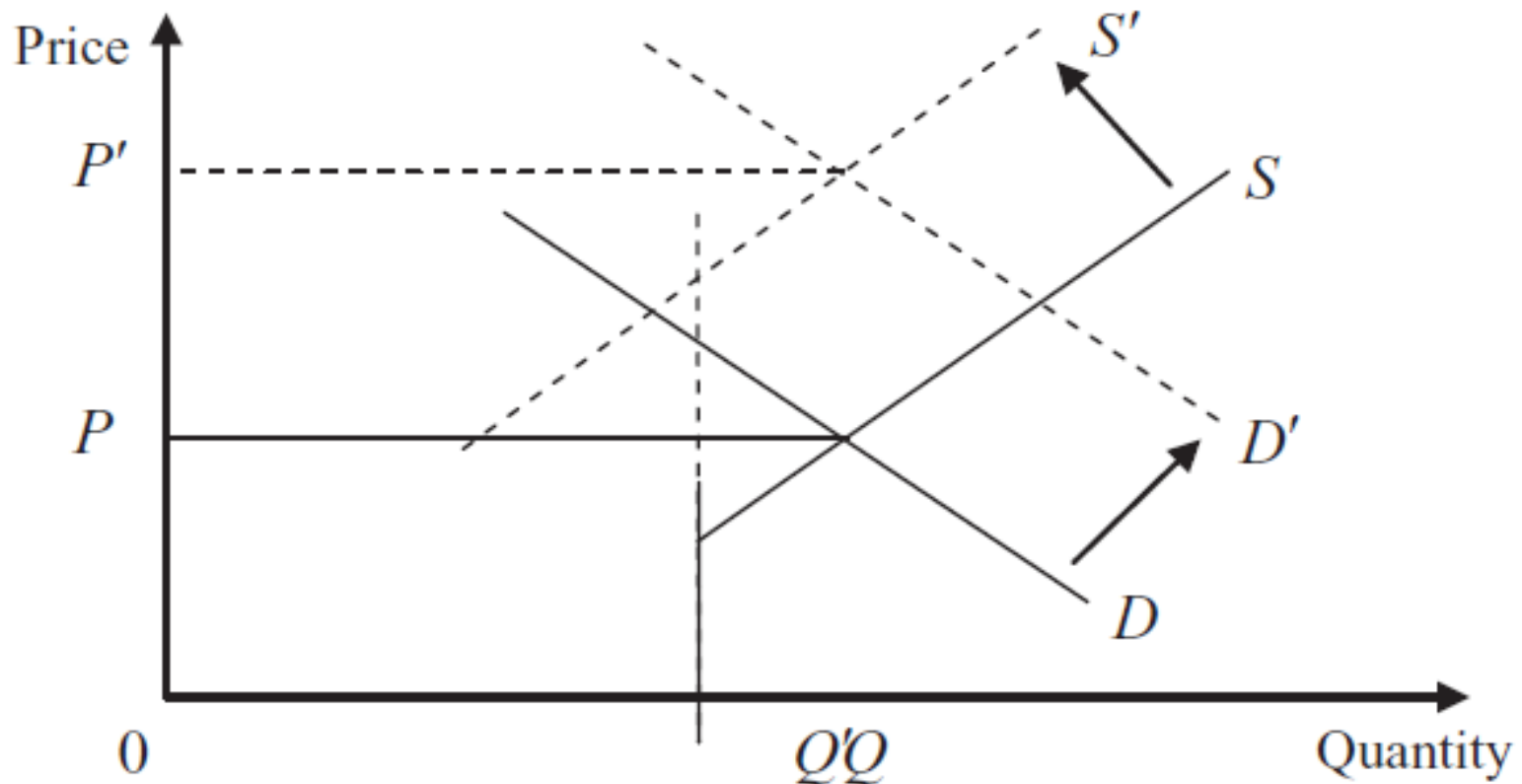
# Sustainable and fair food trade

Short term impact of implementation of food safety standard:



# Sustainable and fair food trade

Long run impact of implementation of food safety standard:



# Sustainable and fair food trade

## Case of food import rejection/refusal

Table 3. Number of EU rejections of food and feed products from Third Countries, 2002-2008

Country	Year							Total	Annual Average
	2002	2003	2004	2005	2006	2007	2008		
Iran	63	492	491	470	243	130	172	2,061	294.4
China	149	133	158	253	262	354	498	1,807	258.1
Turkey	141	200	180	198	250	294	302	1,565	223.6
India	60	119	110	137	86	111	157	780	111.4
United States	25	53	52	74	231	184	144	763	109.0
Thailand	143	85	45	117	85	92	103	670	95.7
Brazil	102	116	109	124	91	58	61	661	94.4
Vietnam	67	35	56	124	68	44	55	449	64.1
Argentina	11	42	46	57	75	47	58	336	48.0
Indonesia	39	36	70	58	43	25	14	285	40.7
Ghana	1	8	78	59	44	31	23	244	34.9
Egypt	9	40	33	24	30	35	48	219	31.3
Nigeria	1	7	15	30	28	49	25	155	22.1

ASCCC (APEC Study Centre Consortium Conference), July 26-27, 2013, Jakarta, Indonesia

**Enhancing APEC Resiliency: More Integrated, Connected, Sustained, and Inclusive Development**

# Sustainable and fair food trade

## Case of food import rejection/refusal

Table 4. Number of US rejections of food products, 2002-2008

Country	Year							Total	Annual Average
	2002	2003	2004	2005	2006	2007	2008		
Mexico	1,804	1,502	1,581	1,735	1,477	1,270	1,066	11,926	1490.7
India	746	725	871	1,026	1,132	1,113	707	7,223	902.9
China	541	667	616	672	664	740	479	5,005	625.6
United Kingdom	377	288	325	245	369	430	1,262	3,767	470.9
Dominican Republic	263	266	535	415	663	512	77	3,121	390.1
Canada	414	543	551	284	246	238	361	3,014	376.7
Vietnam	428	332	478	350	300	378	306	2,939	367.4
Japan	755	241	192	147	285	203	319	2,448	306
Indonesia	138	269	331	214	313	374	250	2,159	269.9
Thailand	280	258	351	307	216	233	212	2,122	265.3
France	461	365	345	223	159	155	113	2,081	260.1
South Korea	297	344	285	205	112	166	287	1,938	242.3
Philippines	203	456	248	214	135	244	168	1,906	238.3

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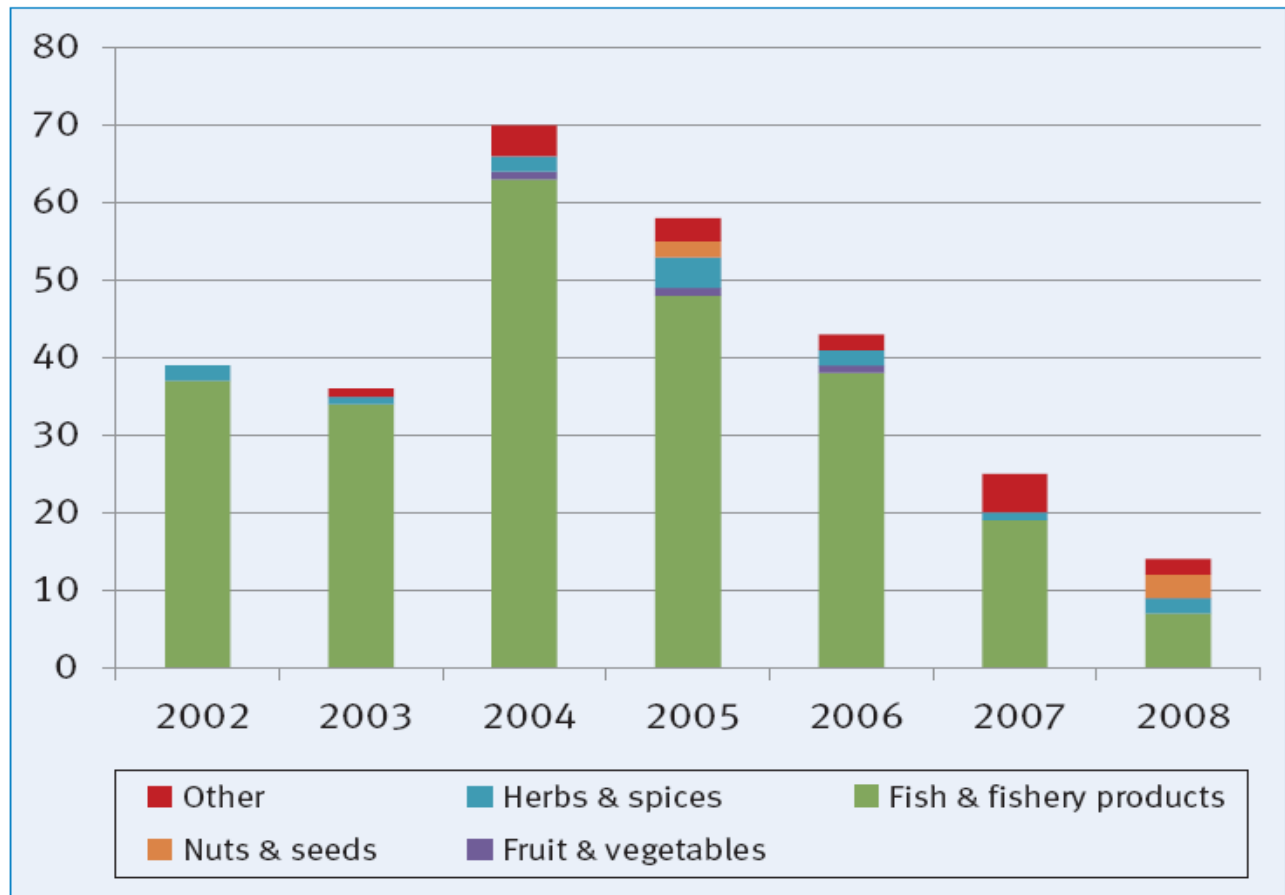
*Enhancing APEC Resiliency: More Integrated, Connected, Sustained, and Inclusive Development*

# Sustainable and fair food trade

## Case of food import rejection/refusal

### - From Indonesia

**Number of EU  
rejections of food  
and feed exports  
from Indonesia,  
2002-2008**

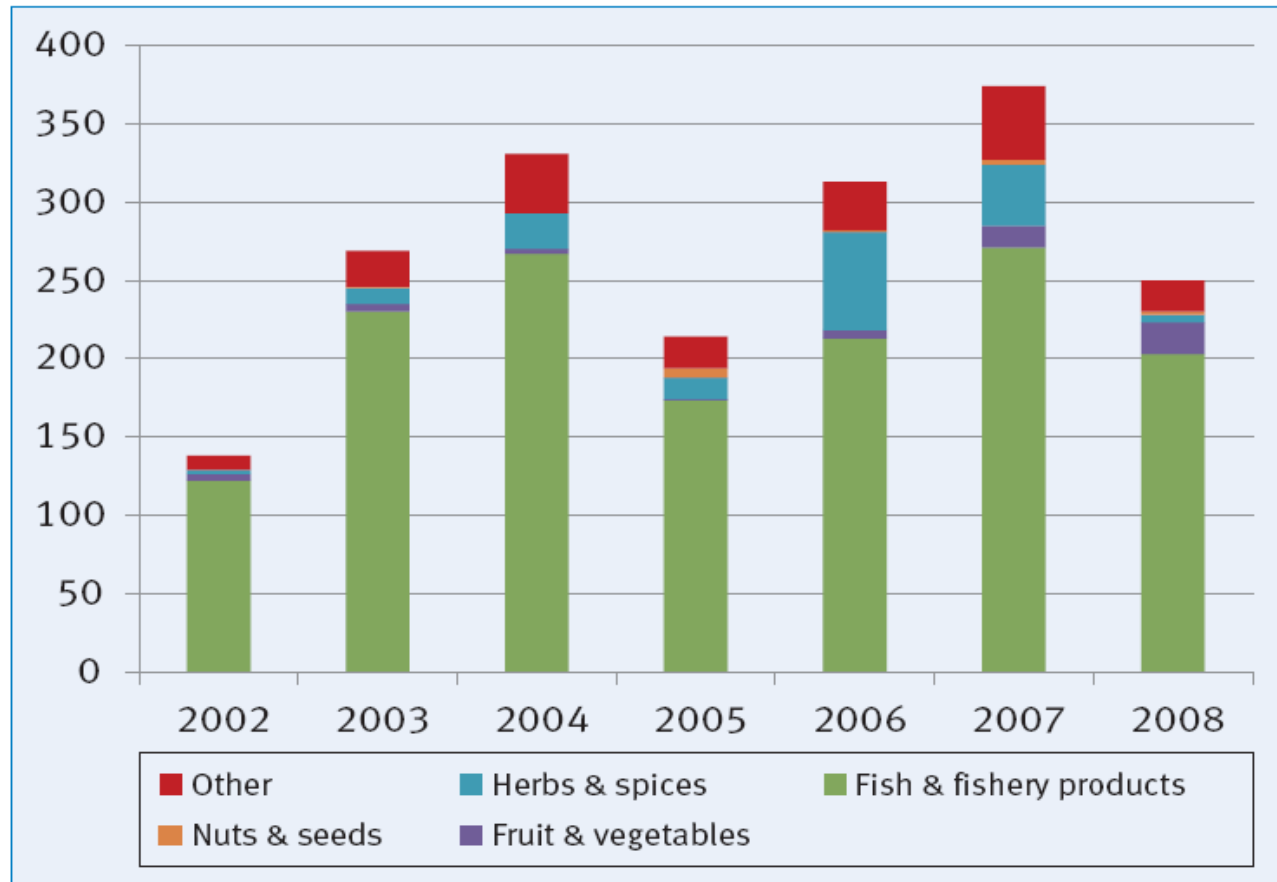


# Sustainable and fair food trade

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# Food safety certification and its role in trade

## □ The Government:

- \* Developing standard
- \* Controlling certification process by certification body

## □ Third party certification:

- \* Independent
- \* Greater legitimacy



# Current initiative and programs

- \* APEC Partnership Training Institute Network (PTIN)
- \* APEC Food Safety Cooperation Forum
- \* Global Food Safety Partnership (GFSP)

For:

- \* Capacity building
- \* Laboratory facilities development
- \* Undergraduate and graduate curriculum development

# Way forward for APEC trading sustainability

- \* Need for common food safety standards
- \* Need for mutual recognition agreement(MRA) and harmonization among APEC member economies
- \* Need for regulatory impact assessment (RIA)
- \* Need for improvement on laboratory facilities and capacity building

# THANK YOU