

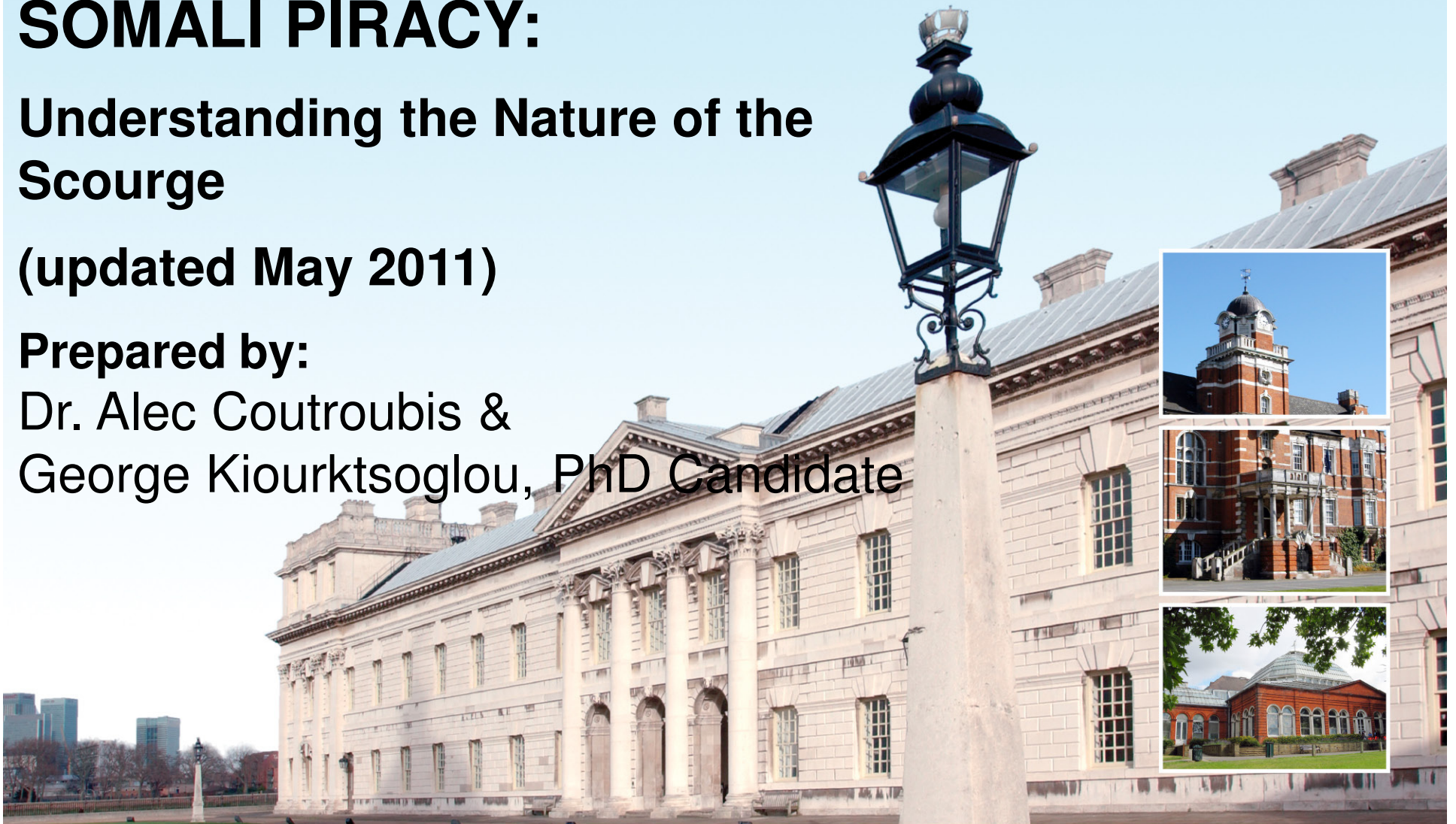
SOMALI PIRACY:

Understanding the Nature of the Scourge

(updated May 2011)

Prepared by:

Dr. Alec Coutroubis &
George Kiourktsoglou, PhD Candidate



... So, what does it take for Piracy to go “Critical” ?

1. User-Friendly Geography and
2. Lack of a robust Central Government and
3. Lawlessness, (Somalia is the “Wild-Wild-West” of East Africa...) and the Most Important Ingredient ...
4. Continuous Traffic of Commercial Vessels !

The “Theater of Action”

1,800 Nautical Miles





The “Tyranny of Distance”:

83 Helicopter equipped vessels are needed to provide effective 1 hour response in the area.

Somalia: a failed State but not a failed Society

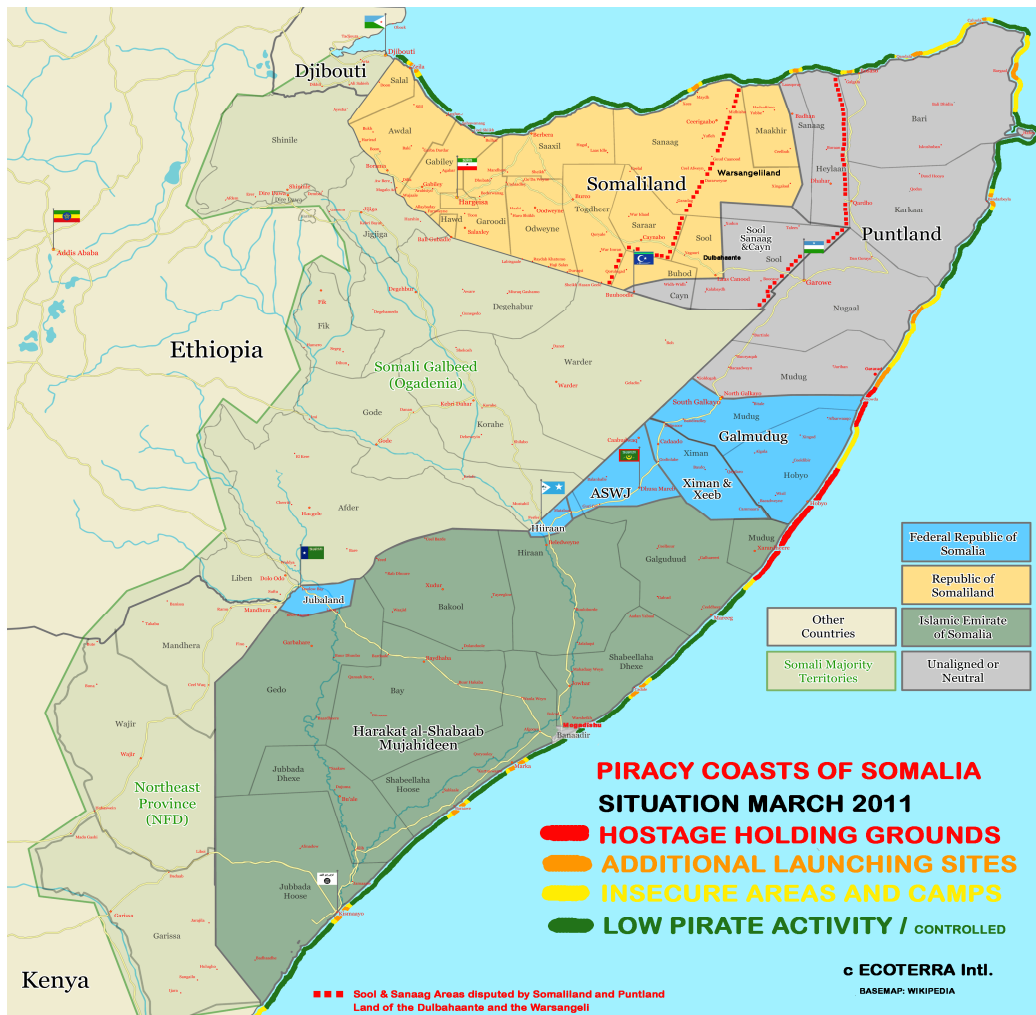
A Friend' s description of Somalia:

- Where God has long ago turned a Blind Eye...
- Where Evil reigns Unchallenged...

and

- Life at Night buys less than a Bullet !

Somalia



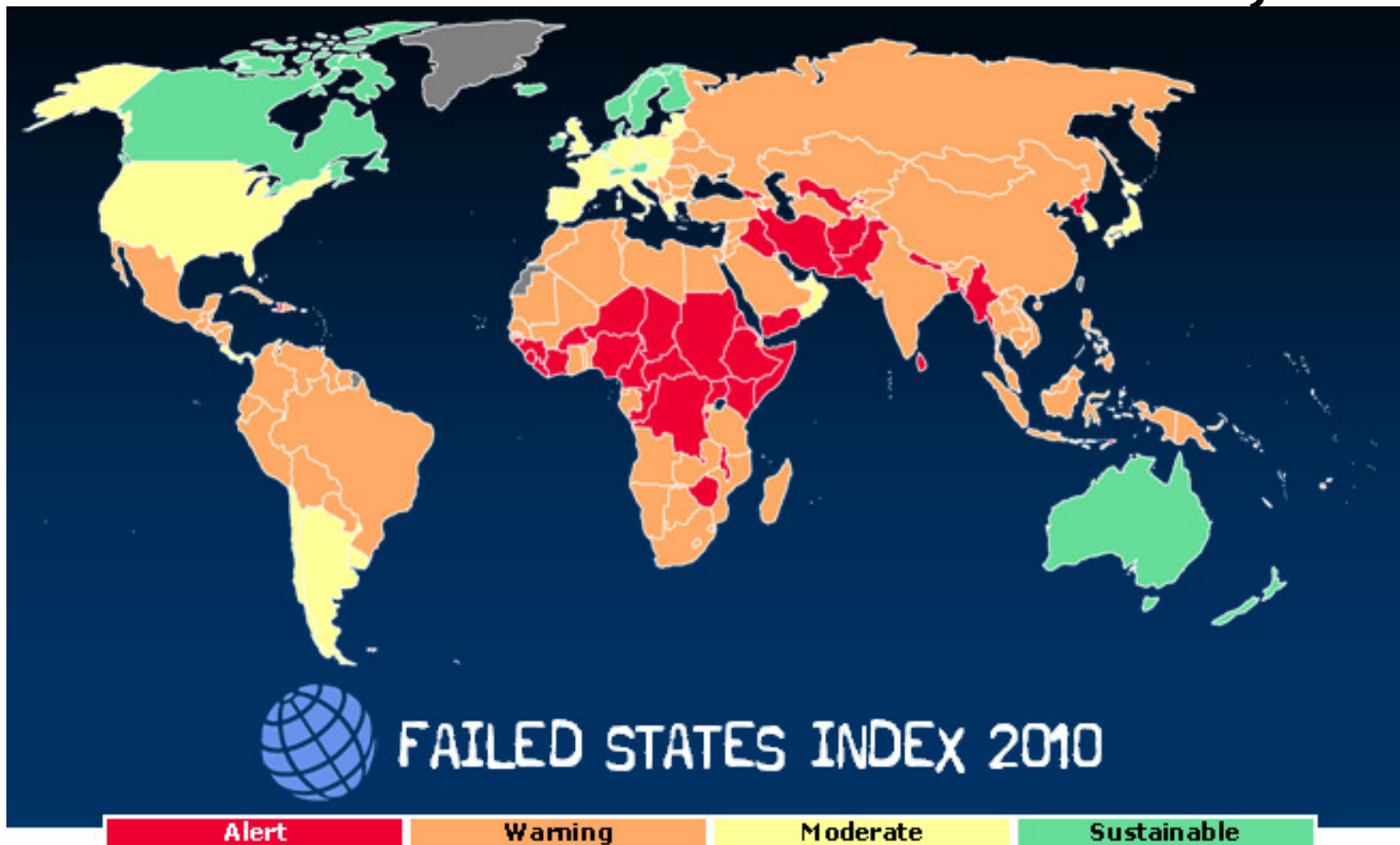
Surface Area: 637.657
(almost half the size of France) ;

Coastline: 2.896 Km. ;

Population (2007, U.N.):
8.699.000 ;

Ave. L.E. (2007, U.N.):
Women: 49,4 years
Men: 46,9 years ;

Failed States Index 2010, I



Source: The Fund For Peace, <http://www.fundforpeace.org> , [Accessed 24 May 2011]

Failed States Index 2010, II

Anarchy's anatomy

Failed states, 2010

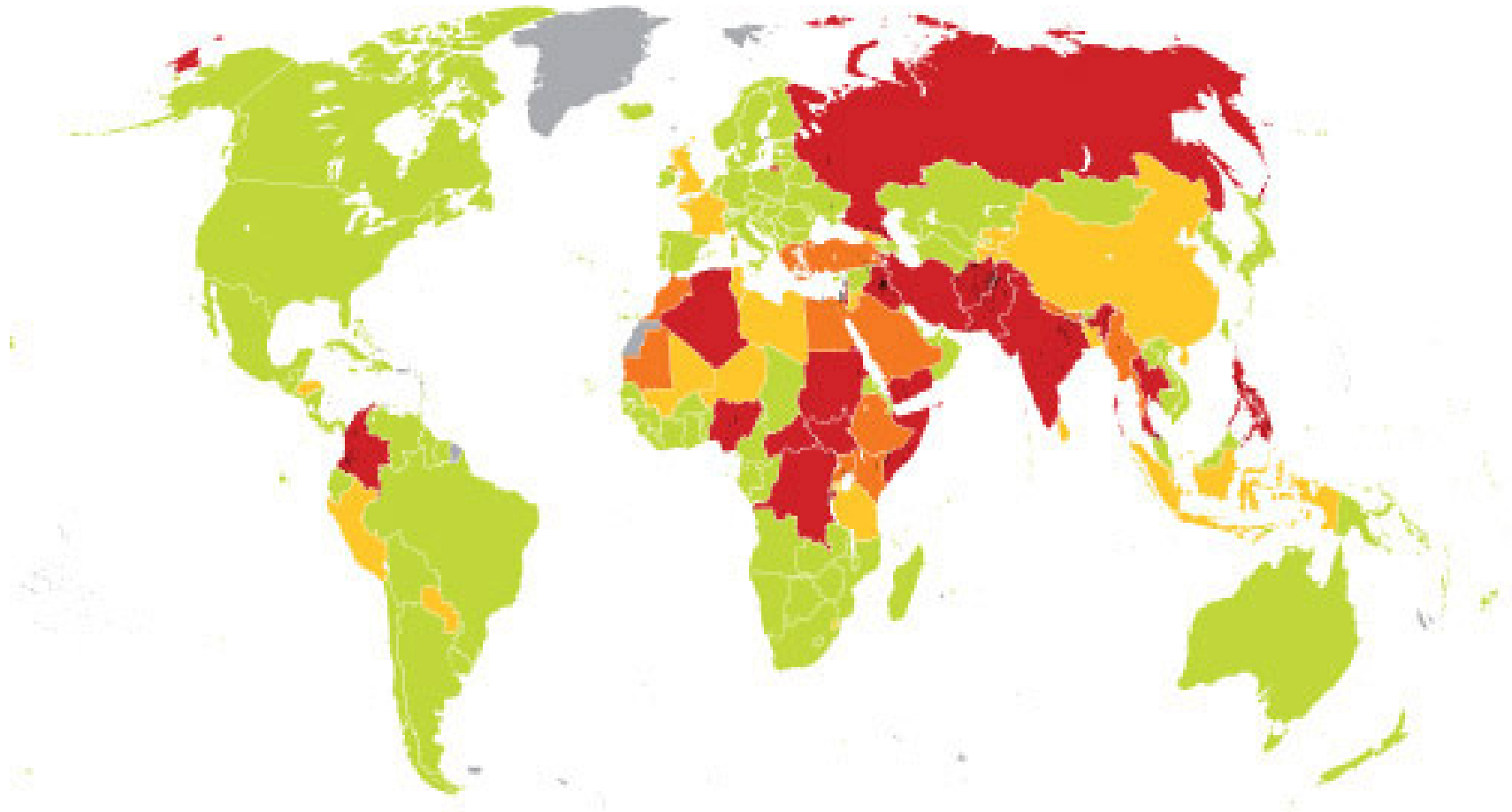
Country (Population, m)	Failed states index, score*	Life expectancy, years	Symptoms
Somalia (9.4)	114.3	51.5	Anarchy, civil war, piracy
Chad (11.5)	113.3	50.0	Desertification, destitution, meddling neighbours
Sudan (43.2)	111.8	59.8	Ethnic, religious strife, illiteracy, tyranny
Zimbabwe (12.6)	110.2	50.4	Economic collapse, kleptocracy, oppression
Congo (67.8)	109.9	48.8	Civil war, massacres, mass rape, looting
Afghanistan (29.1)	109.3	45.5	Civil war, drugs, no infrastructure, terrorism
Iraq (31.5)	107.3	70.2	Ruined infrastructure, sectarian strife, terrorism
Central African Republic (4.5)	106.4	48.6	Desertification, destitution, disease, terrorism
Guinea (10.3)	105.0	60.1	Destitution, drugs, kleptocracy
Pakistan (184.8)	102.5	68.0	Coups, drugs, illiteracy, terrorism
Haiti (10.2)	101.6	62.1	Deforestation, destitution, crime
Côte d'Ivoire (21.6)	101.2	59.6	Incipient civil war, post-election deadlock

Sources: The Fund for Peace, *Foreign Policy*; UN; *The Economist*

*Out of a potential 120, based on 12 indicators

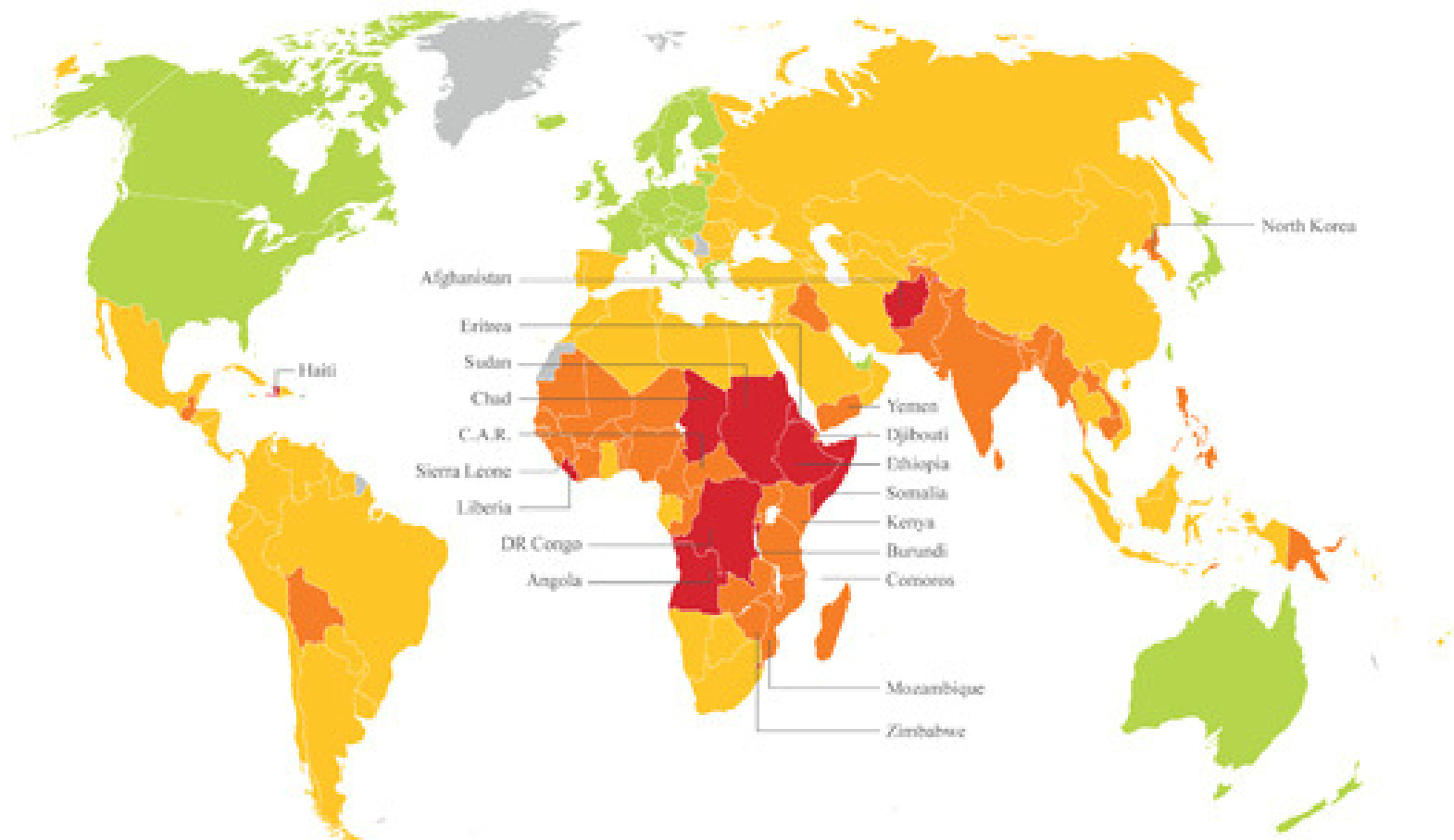
Source: The Fund For Peace, <http://www.fundforpeace.org> , [Accessed 24 May 2011]

Terrorism's Risk Index Map



Source: Maplecroft, http://maplecroft.com/about/news/terrorism_index_2011.html, [Accessed August 2011]

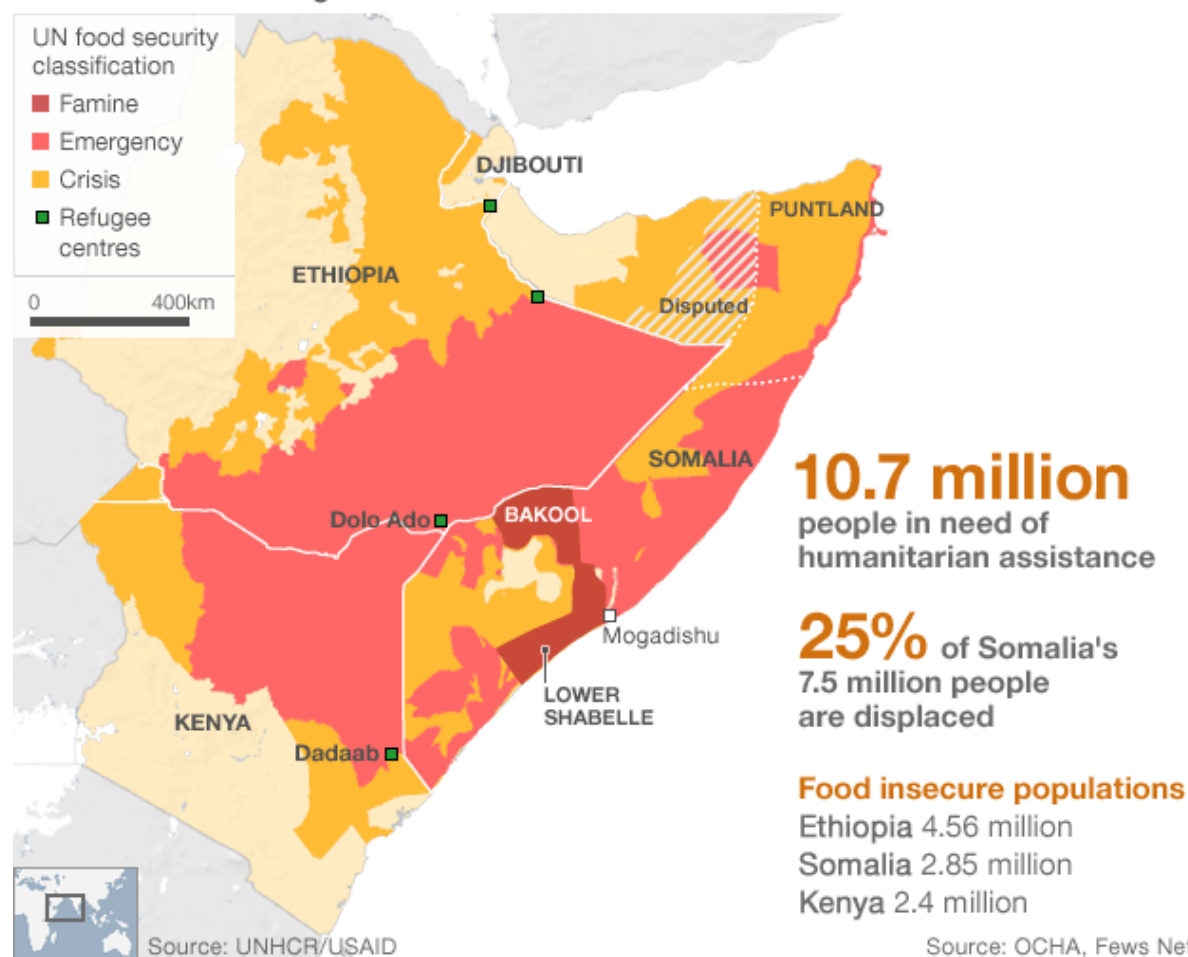
Food Security Risk Index



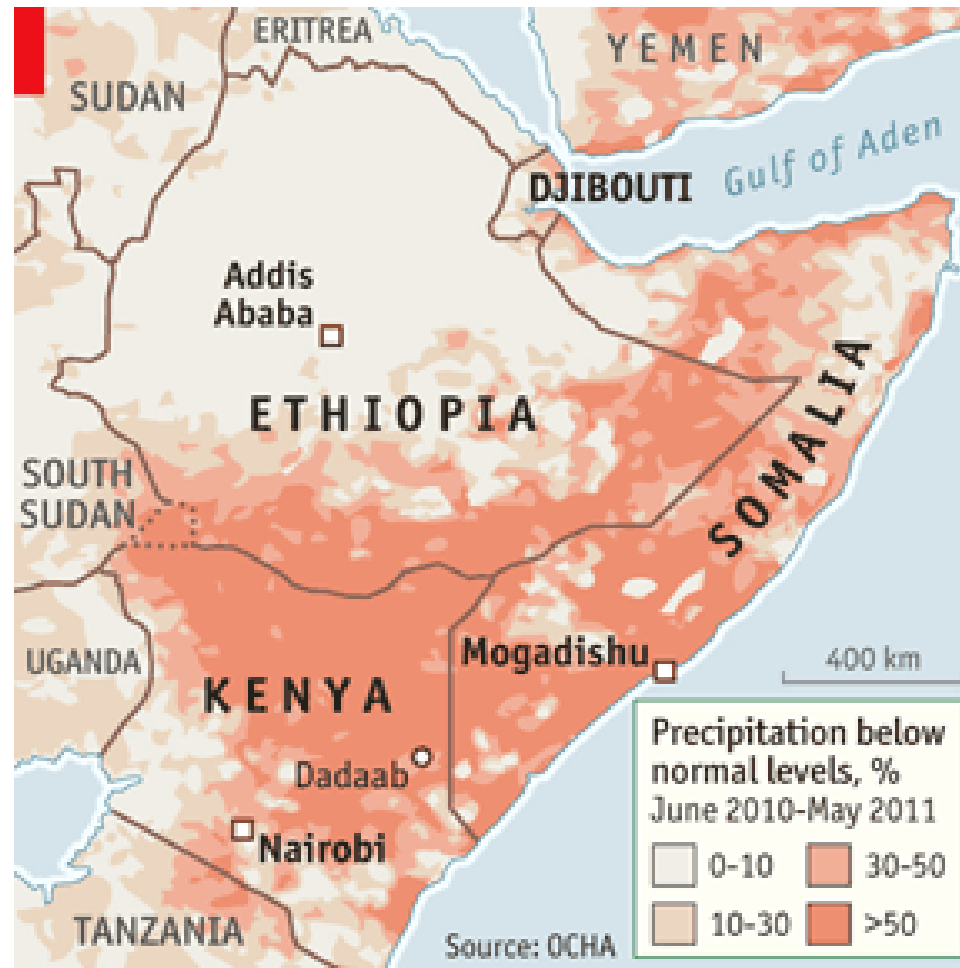
Source: Maplecroft, http://maplecroft.com/about/news/food_security.html , [Accessed December 2011]

The Map of Famine

Areas of food shortages



The Map of Draught



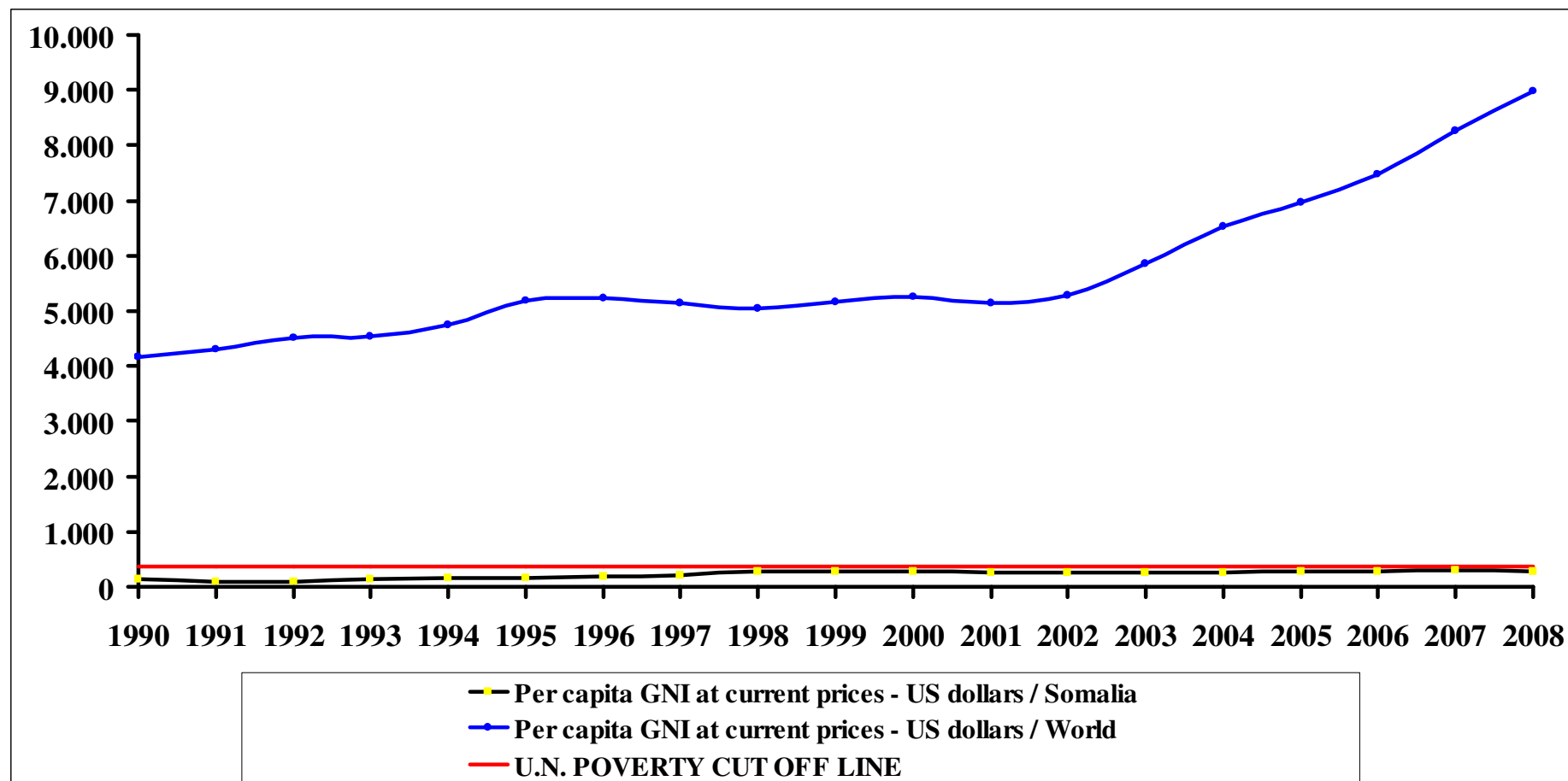
Ground Facts:

1. Largest Number of Refugees after Afghanistan and Iraq (614.000 by the end of August 2010) ;
2. Every day more than 1.350.000 Somalis depend on World Food Programs to feed ;
3. Highest Child-Malnutrition Rate in the World: 1 out of every 5 children is malnourished (a total of 240.000) ;

The Face of Destitution



G.N.I. per Capita



Source: U.N. Data, <http://data.un.org/Browse.aspx?d=WorldStat> , [Accessed 24 February 2010]

The Yemen – Somalia “Trade”, I



Source: Central Intelligence Agency, C.I.A. https://www.cia.gov/library/publications/the-world-factbook/maps/maptemplate_so.html, [Accessed 30 November 2010]

The Yemen – Somalia “Trade”, II

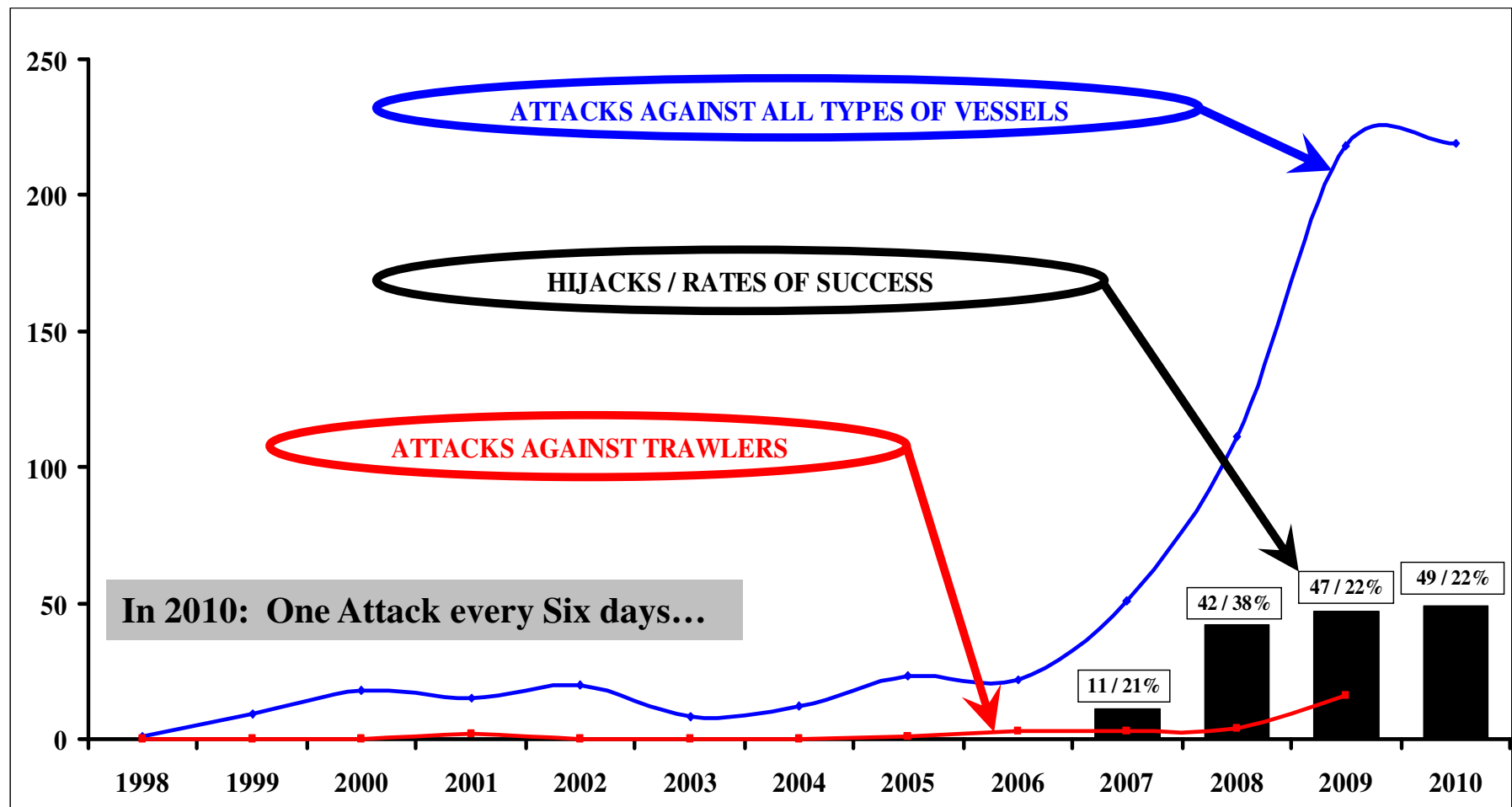
1. Somalis have been given automatic refugee status in Yemen since 1991 ;
2. 170,000 officially registered Somalis as refugees, (estimates of one Million) ;
3. the destination country is very important: numbers leaving Somalia decreased dramatically when in 2009 the Saudis closed the border ;

The Yemen – Somalia “Trade”, III

1. The proportion of Ethiopians is rising, now estimated to be $\frac{3}{4}$ of those making the crossing ;
2. With sea passage costing around \$150 and crossing the Saudi border costing around \$150, this migration economy could be worth \$20m a year, encompassing 5 countries ;

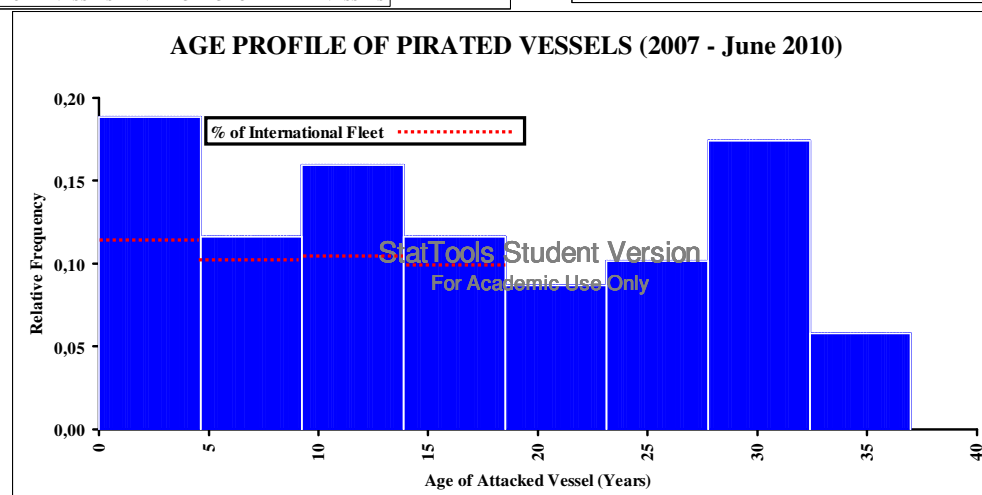
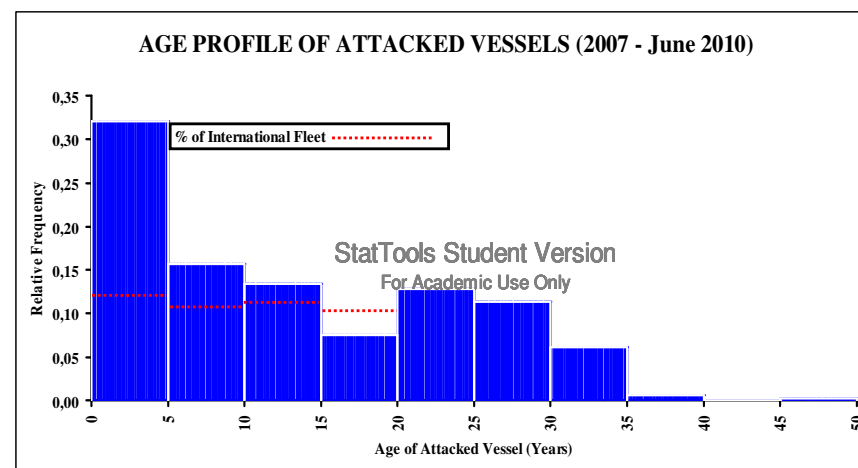
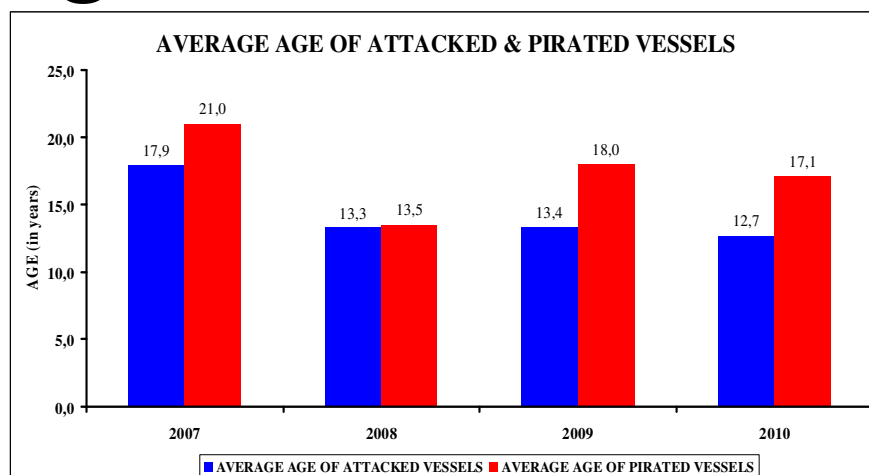
The “Nature” of Somali Piracy

Number of Attacks off Somalia



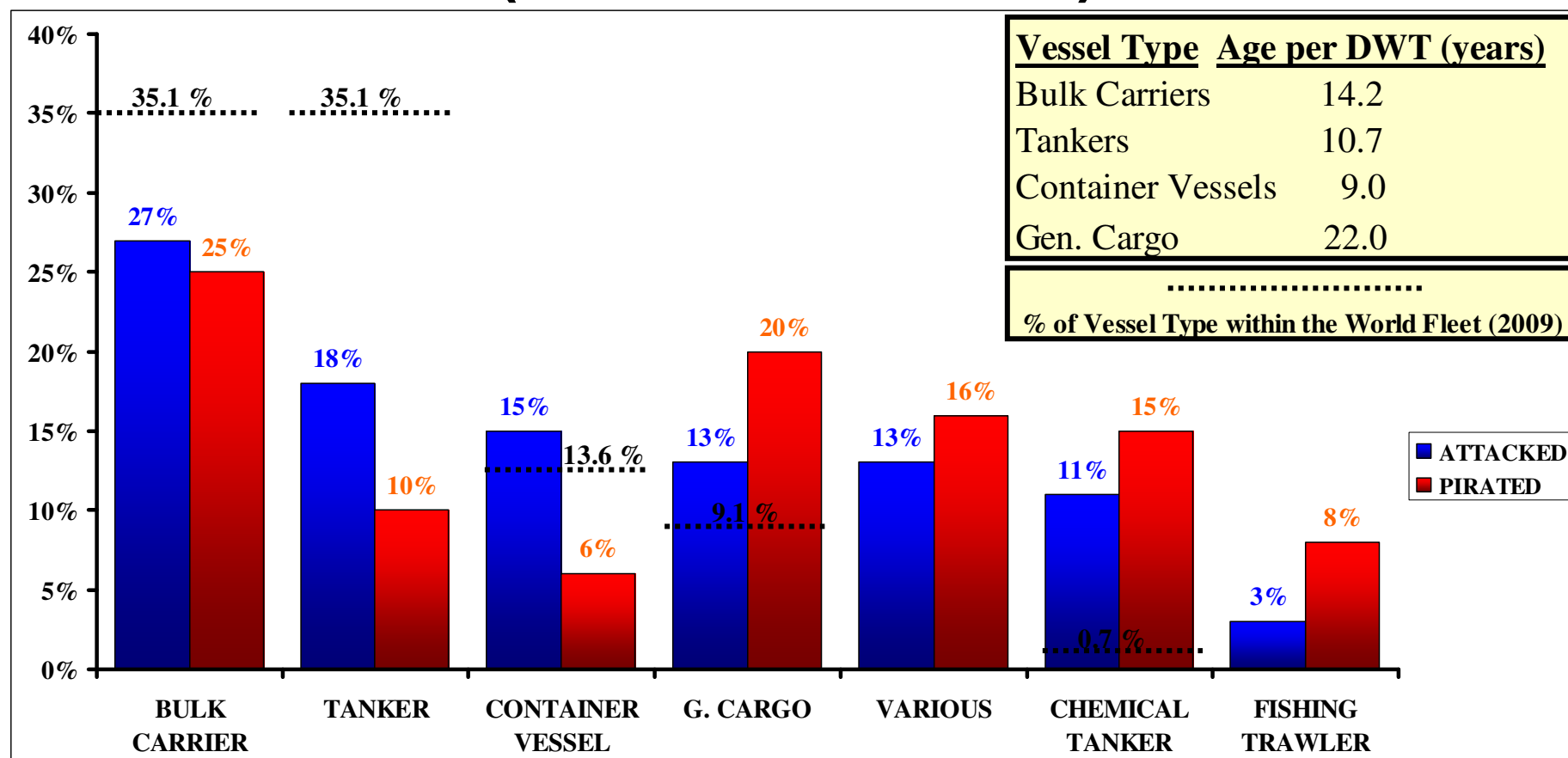
Source: Compilation based on I.M.O. & I.M.B. annual Reports

Age Profile of Attacked / Pirated Vessels



Source: Compilation based on I.M.O. & I.M.B. monthly Reports

Vessel Types Involved in Incidents off Somalia (01/01/07-30/06/10)



Source: I.M.B.

Geographical Evolution

Most Northern Attack:

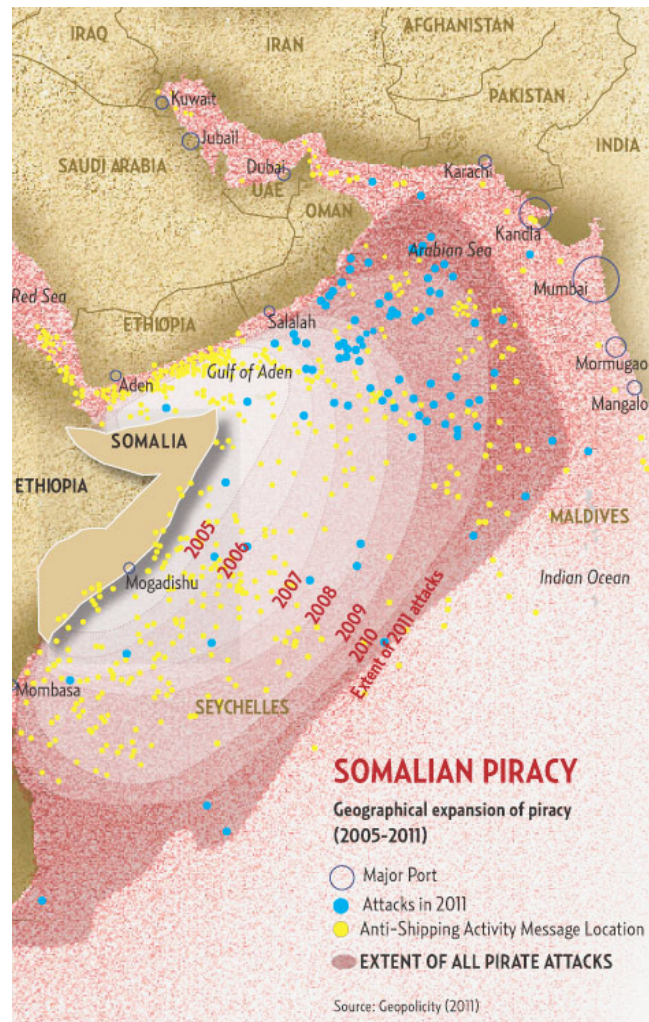
25:01N - 060:26E

Most Southern Attack:

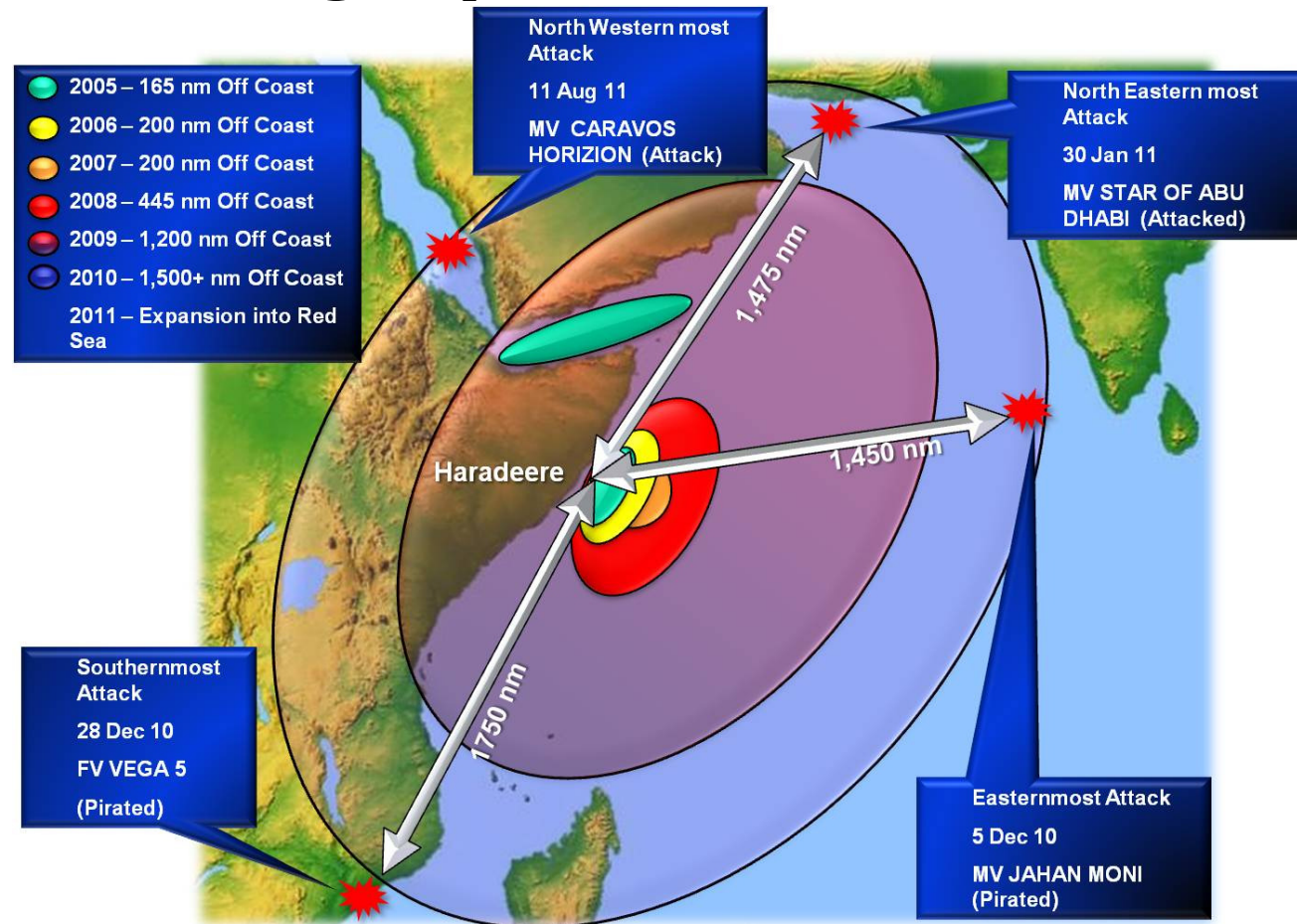
21:55S – 035:36E

Most Eastern Attack:

09:25N – 073:02E

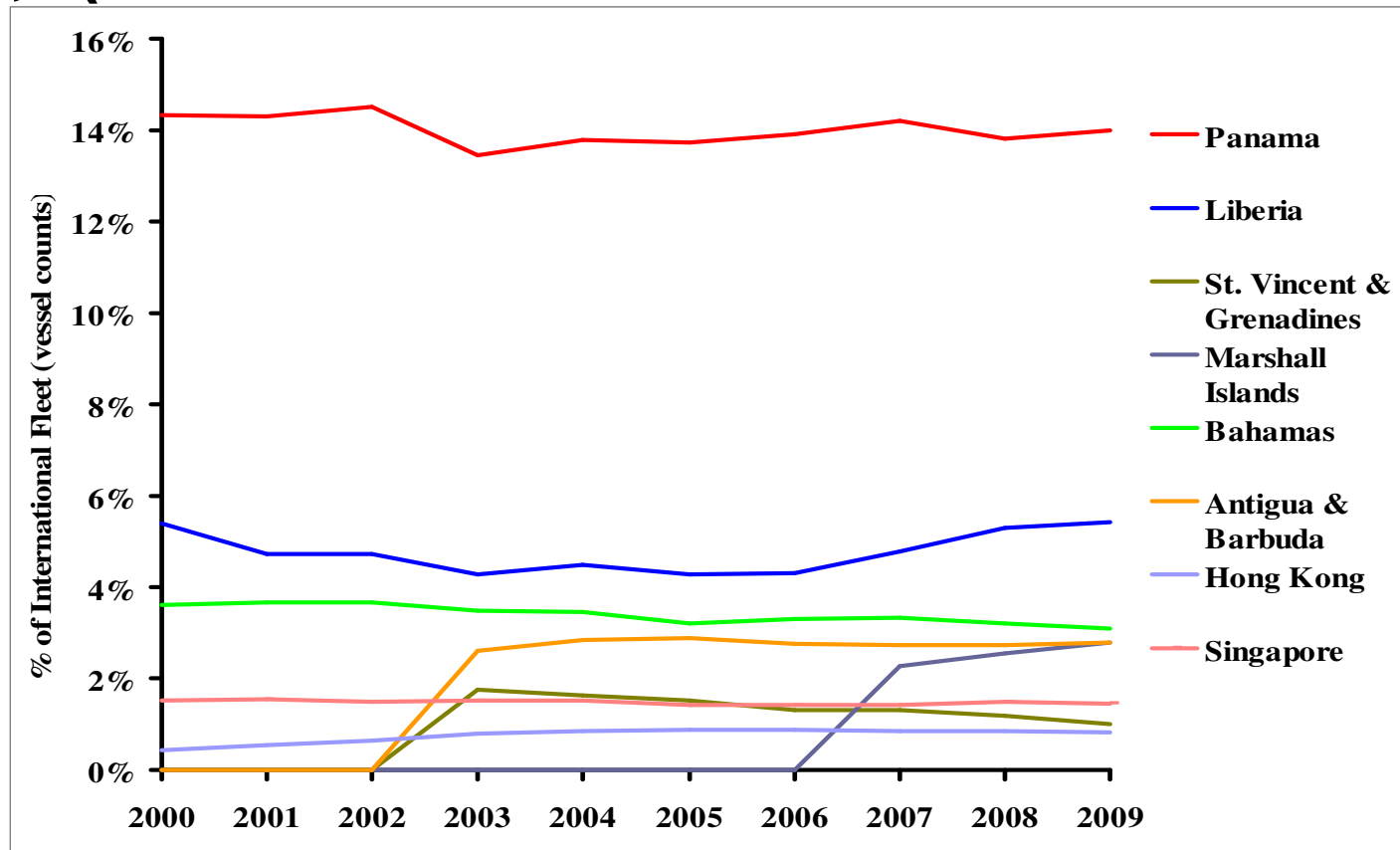


Geographical Evolution



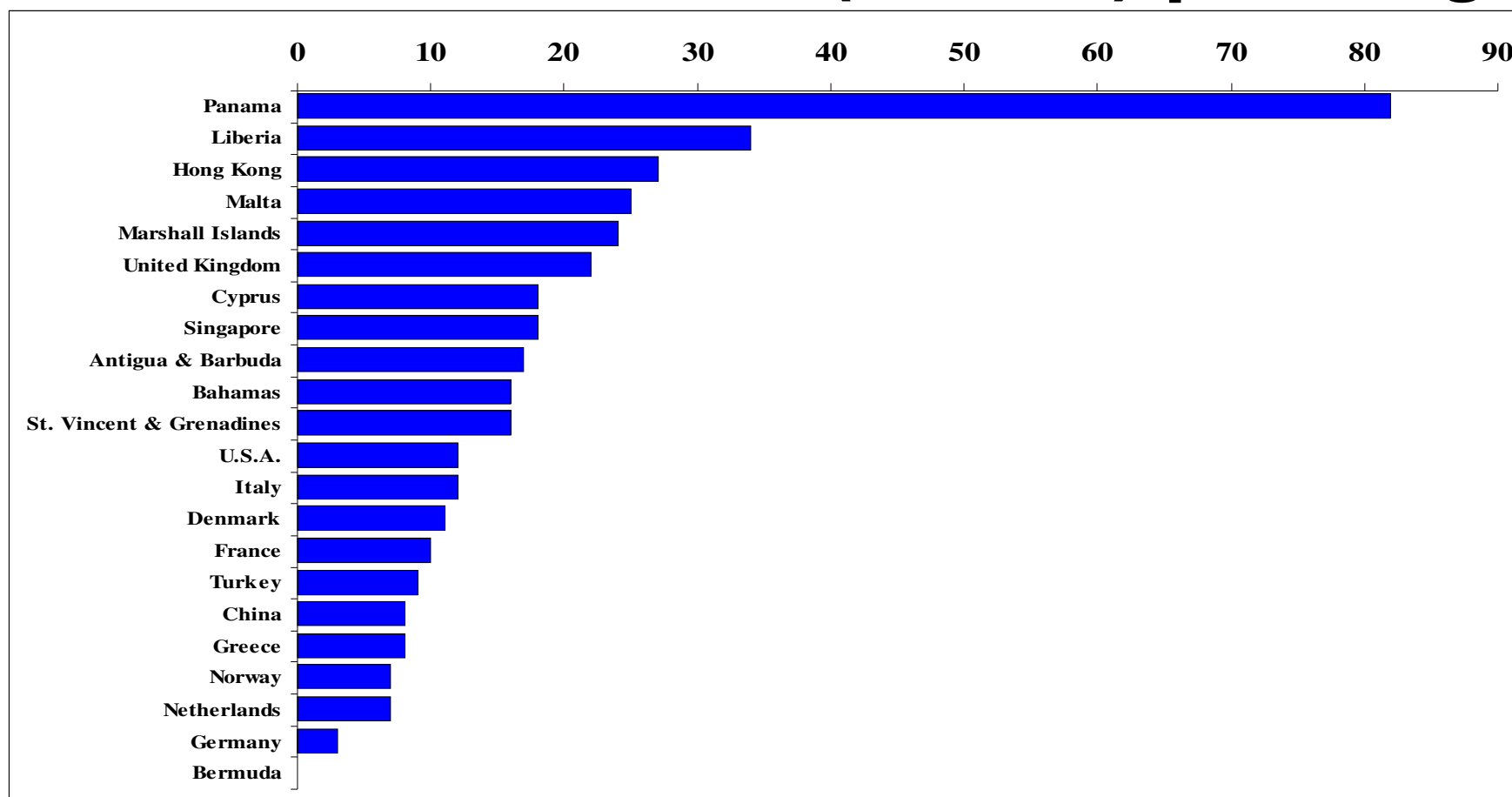
Source: E.U. NAVFOR

Evolution of 8 Major Registries from 2000 till 2009, (% of International Fleet in vessel units)



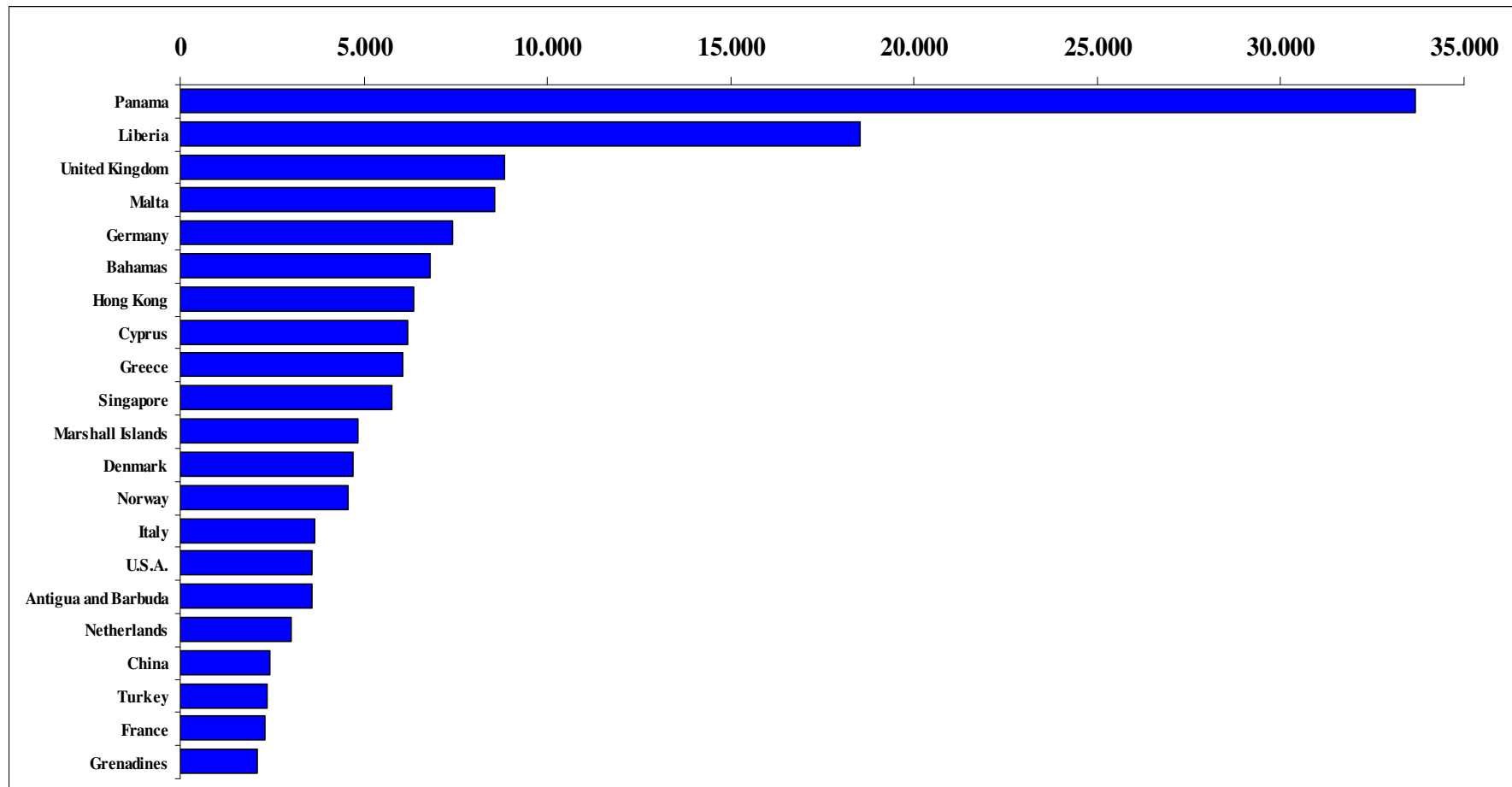
Source: United Nations Conference on Trade and Development, UNCTAD, Review of Maritime Transport from 2000 till 2009

Number of Attacks (2000-9) per Flag



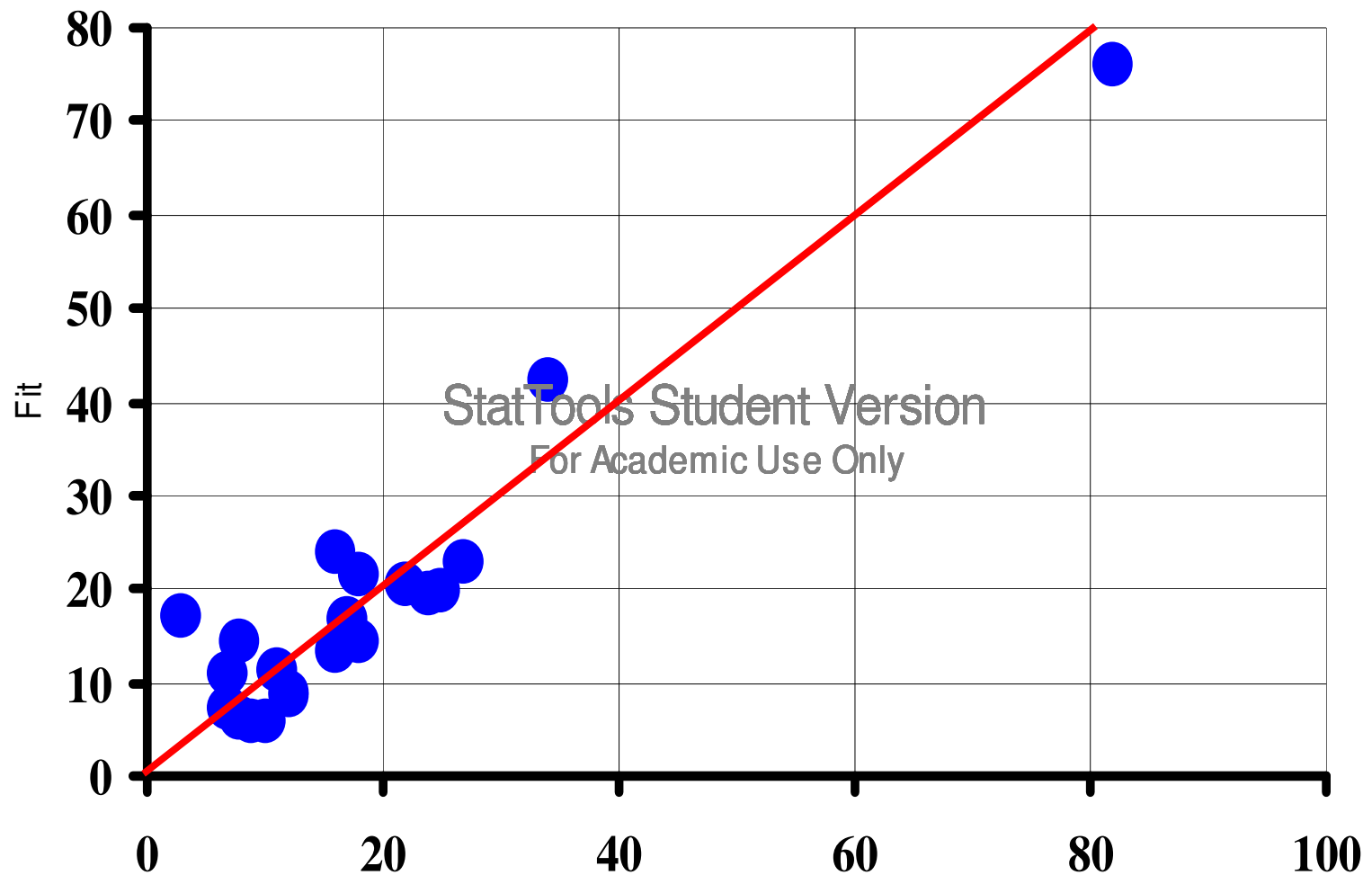
Source: Compilation based on I.M.O. & I.M.B. annual Reports

Number of Suez Canal Passages (2000-9) per Flag



Source: Canal Suez Authority, Annual Reports from 2000 till 2009

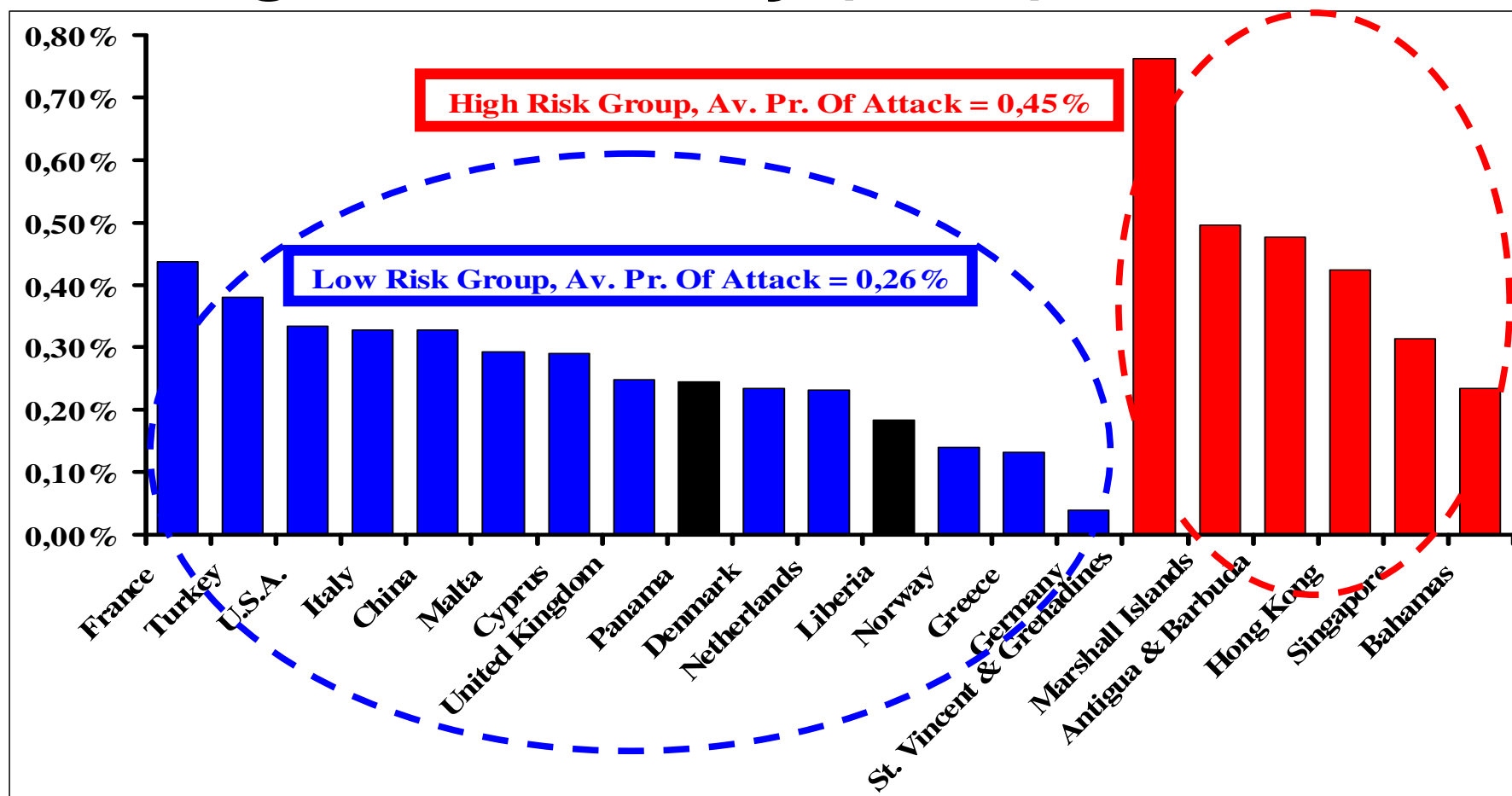
The D.N.A. of Somali Piracy (statistical footprint)



Remember the Golden Rule of Statistical Analysis:

Correlation does not mean Causation

Flag's Probability (Risk) of Attack



Source: A. Coutroubis, G. Kiourktsoglou Paper: "Somali Piracy vs Flag of Attacked Vessel", January 2010

The “Panama Effect”

	2007		2008		2009	
COUNTRY OR TERRITORY OF DOMICILE	NUMBER OF VESSELS	%	NUMBER OF VESSELS	%	NUMBER OF VESSELS	%
JAPAN	2.082	51,6	2.236	54,5	2.292	53,3
CHINA	460	7,2	501	9,0	558	9,5
GREECE	546	10,2	511	8,8	503	8,1
KOREA	297	7,3	302	7,3	324	8,0
TAIWAN	306	4,7	296	4,5	332	5,3
GERMANY	34	2,4	39	2,2	95	3,1
HONG KONG	159	4,9	137	2,9	127	2,0
SWITZERLAND	234	2,3	32	0,3	32	0,3
SUM	3.122	71,4	3.287	74,5	3.448	74,0
Countries with Naval presence around the Horn of Africa						

Source: UNCTAD, Review of Maritime Transport from 2007-09

..... and the “Liberia Effect”

COUNTRY OR TERRITORY OF DOMICILE	2007		2008		2009	
	NUMBER OF VESSELS	%	NUMBER OF VESSELS	%	NUMBER OF VESSELS	%
GERMANY	659	31,1	770	32,5	857	34,0
GREECE	288	19,5	360	20,2	387	19,9
RUSSIA	86	7,5	90	7,1	95	6,9
SAUDI ARABIA	26	6,9	24	5,6	28	6,3
TAIWAN	76	6,0	84	5,8	92	6,2
JAPAN	102	5,8	114	6,2	115	6,0
SINGAPORE	42	5,0	39	4,0	36	3,8
U.S.A.	105	3,7	122	3,8	105	3,2
HONG KONG	23	1,2	59	3,4	60	3,2
ITALY	19	1,2	43	2,5	48	2,5
NORWAY	40	2,8	41	2,2	49	1,9
U.K.	34	1,2	27	0,7	30	1,2
CHINA	51	3,1	15	0,3	12	0,3
SUM	1.384	75,9	1.582	75,5	1.698	75,9
Countries with Naval presence around the Horn of Africa						

Source: UNCTAD, Review of Maritime Transport from 2007-09

The Human Factor (Seafarers)

“Man is the Ultimate Measure of Everything”,
Protagoras the Philosopher, (ca. 490 BC – 420 BC)

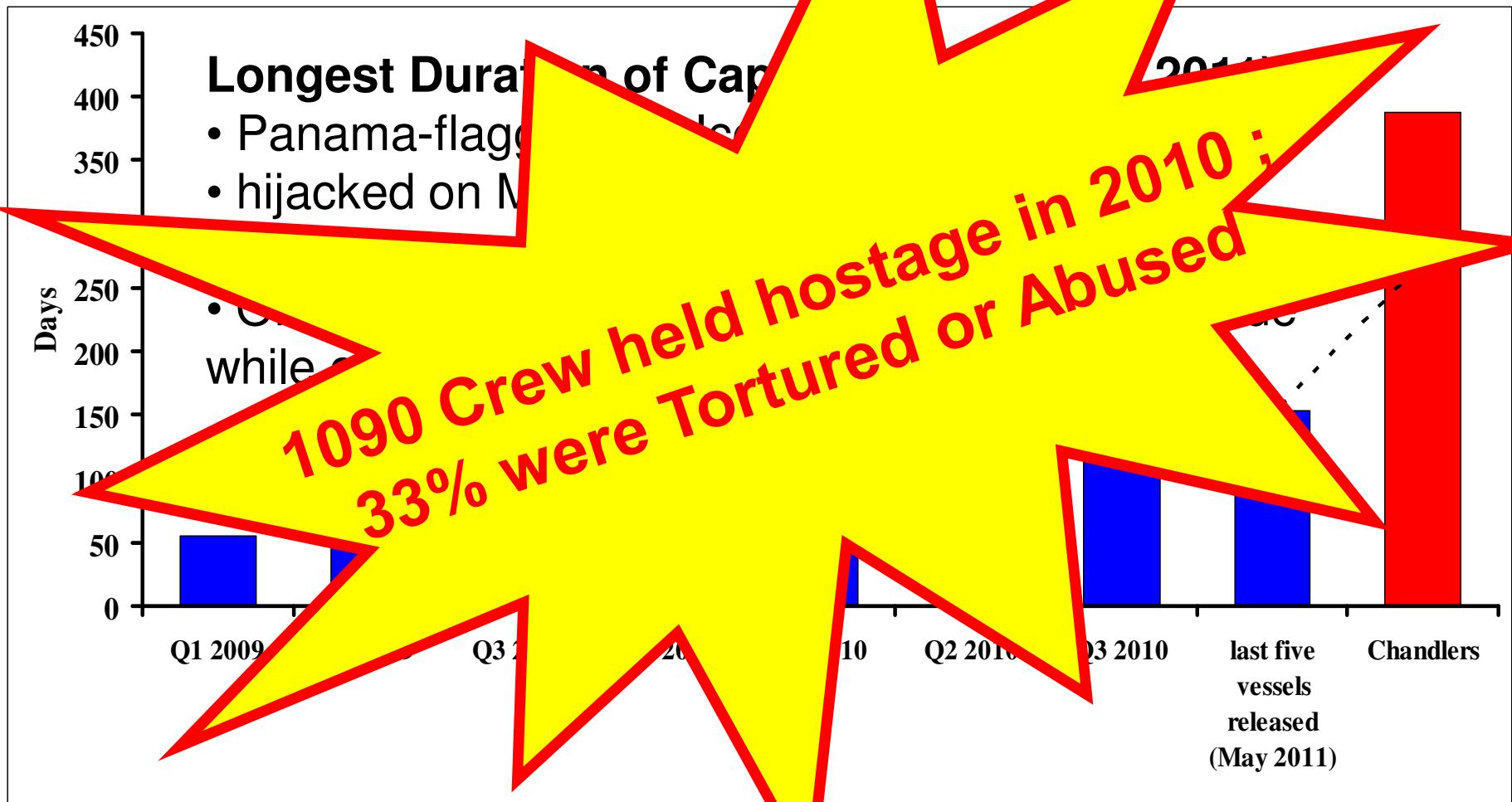
Facts

1. More than 100.000 seafarers (at any given time) are preparing for, or transiting through, the **Indian Ocean** and the **Gulf of Aden**.
2. 4.185 Seafarers attacked
3. 1.090 Seafarers held
4. 342 Seafarers used
5. 516 Seafarers used as Human Shields



2010 Figures

Average Days in Captivity

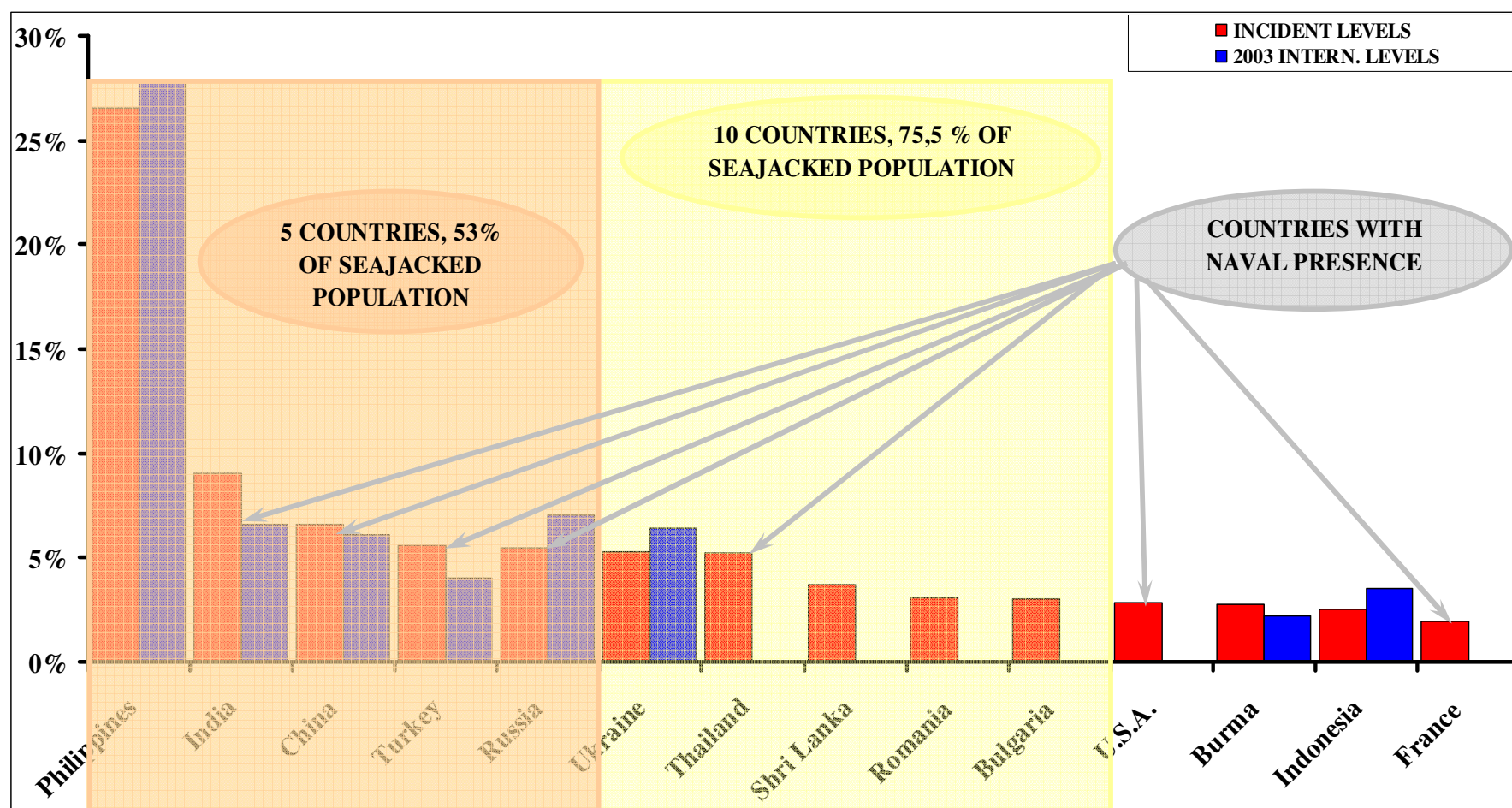


Source: I. B.

Statistics

1. 53% of the Seajacked Crews come from 5 Countries: Philippines, China, India, Turkey and Russia ;
2. It seems that the presence of a Country's Naval Forces off Somalia has **no impact** on the Seajacks of Crews which include any number of its Nationals ;
3. Although 1 out of every 4 Seafarers victims of Somali Pirates comes from the Philippines, the Island Country has no Naval Force off East Africa ;

% of Nationals in Crews of Seajacked Vessels



Source: The Global Labour Market for Seafarers onboard Merchant Cargo Ships (2003) and various Internet based Press Reports

Ransom and Kidnap

The League of Crime Rates

Crime Rates at Sea* in Waters off Somalia (per 100,000)		Highest National Crime Rates of Equivalent Crime Ashore (per 100,000)	
Seafarers Subjected to Armed Attack on Vessels	697.5	Major Assault	576 (South Africa)
Seafarers Taken Hostage	181.7	Kidnapping	~15 (Turkey)
Seafarers Killed	1.3	Murder	~58 (Jamaica)

**Determination for crime rates at sea: sample base is derived from 2010 numbers. Using an average yearly number of ships transits through the Red Sea and Gulf of Aden (30,000) and assuming an average crew of 20 for each vessel, this calculation yields an affected population of 600,000.*

Source: "The Human Cost of Somali Piracy", One Earth Future Foundation, 2011

Ransom Payments vs U.S. Aid

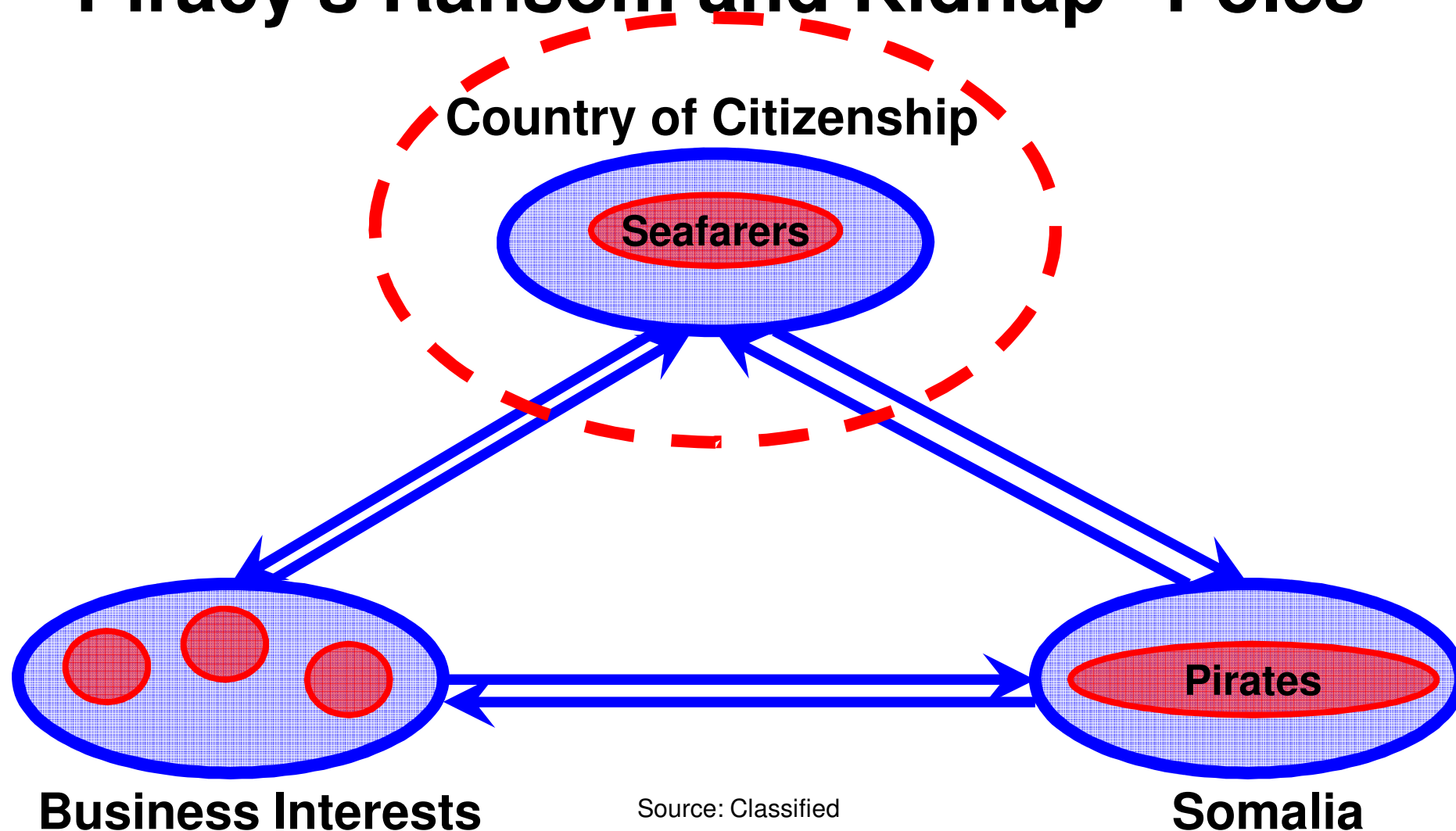
1. 2009: \$177 mil. \$411 mil.
2. 2010: \$238 mil. (+36%) \$133 mil. (-68%)
3. Jan.–May 2011: \$113 mil. (+50%) \$85 mil. (-36%)

The Tally of Criminal Proceeds

Name	Hijack Date	Crew	Release Date	Ransom (Million USD)	Captivity (months)	Ransom source
MV Motivator	4/7/2010	18	16/1/2011	4.5	7.5	Estimate from average
MV Izumi	10/10/2010	20	2/25/2011	4.5	4.5	Reuters
FV Golden Wave 305	10/9/2010	43	9/2/2011	0	5	Somalia Report
MV EMS River	27/12/2010	8	1/3/2011	3	2	Various
MV Rak Afrikana	4/11/2010	26	9/3/2011	2	5	Reuters
MV York	29/10/2010	17	10/3/2011	4.5	4.5	Reuters
MV Jahan Moni	5/12/2010	26	13/3/2011	4	4	Various/Unconfirmed
MV Hannibal II	11/11/2010	31	17/3/2011	2	5	Somalia Report/Various
VLCC Irene SL	9/2/2011	25	8/4/2011	13.5	2	Somalia Report
MV Thor Nexus	25/12/2010	27	12/4/2011	5	3.5	Somalia Report/Various
MV Beluga Nomination	22/1/2011	13	13/4/2011	5	2.5	Somalia Report
MV Asphalt Venture	29/9/2010	15	15/4/2011	3.5	6.5	Somalia Report
MV Renuar	11/12/2010	24	23/4/2011	6	4.5	Somalia Report
MV Sinar Kudus	16/3/2010	20	30/4/2011	4.5	1.5	Various/Unconfirmed
2 Spanish crew from FV Vega 5	28/12/2010	2	15/5/2011	5	4.5	Somalia Report
MV Khaled Muhieddine K	20/1/2011	25	26/5/2011	2.5	4	Somalia Report
MV Yuan Xiang	12/11/2010	29	8/6/2011	2.1	6	Somalia Report
MT Zirku	28/3/2011	29	10/6/2011	12	2.5	Various/Unconfirmed
MV Susan K	7/4/2011	10	15/6/2011	4	2	Somalia Report
MV Suez	8/2/2010	22	12/6/2011	2.1	4	Somalia Report
MT Jubba XX	16/7/11		28/7/11	0.2	0.5	Somalia Report
14 crew from Prantalay 12	18/4/2011	14	4/8/2011	0	4	Somalia Report
MV Sinin	12/2/2011	23	14/8/2011	4	6	Somalia Report
MT Polar	30/10/2010	24	26/8/2011	7.7	10	Bar Kulun/Unconfirmed
Danes (Hostages only)	24/2/2011	7	6/9/2011	3	6.5	Somalia Report
MV MSC Panama	10/12/2010	23	6/9/2011	7	9	Reuters
MV Hoang Son Sun	17/1/2011	24	16/9/11	4.5	9	Somalia Report
MV Dover	28/2/2011	23	28/9/11	3.8	7	Somalia Report
MV Eagle	17/1/2011	24	29/9/11	6	8	Somalia Report
MV Blida	1/1/2011	27	3/11/2011	2.6	11	Somalia Report

Source: Somalia Report 2011

Piracy's Ransom and Kidnap "Poles"



“I ask my Friends if they can imagine what would have happened if 47 commercial aircraft had been hijacked last year ? If 867 passengers, flight crew and cabin crew were taken hostages ? They all agree. There would be international outrage. It would be the lead story of every major news outlet... And of course... there would be a concerted international response to deal with the situation !...” **An Unknown Seafarer**

**Thank you for your attention,
Any questions please?**

Email:

george_kiourktsoglou@yahoo.com

Also on:



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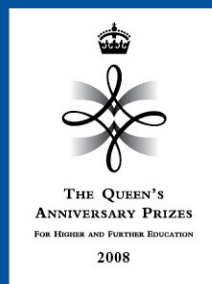
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