



## 'Freestyle Sirens': Reviewing a Decade of Cruise-related Research



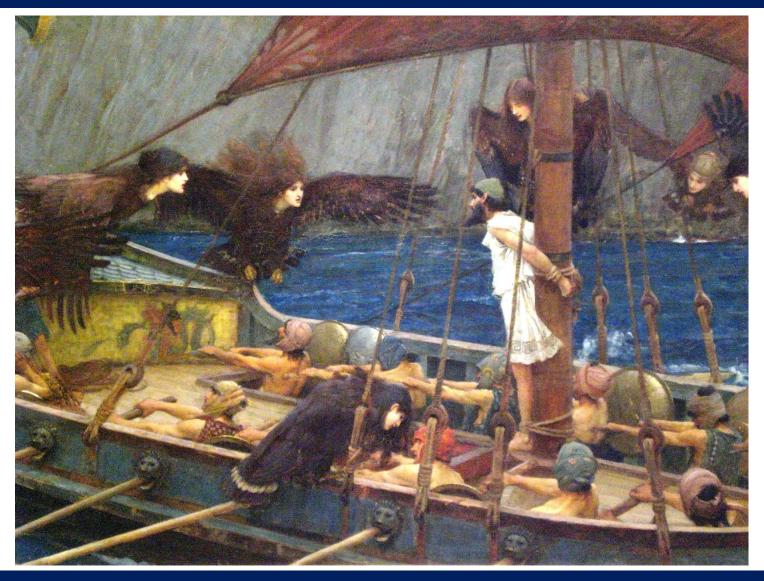
**E-Tourism** 

Prof. Dr. Alexis Papathanassis

2nd International Conference on Tourism, Hospitality and Recreation Poznan – 19-21 of May 2014



## The Mythological Sirens...



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J. W. Waterhouse – Ulysses and the Sirens (1891) – Photo taken in Groningen's Art Museum (02.04.2009)

### **The Modern Sirens!**

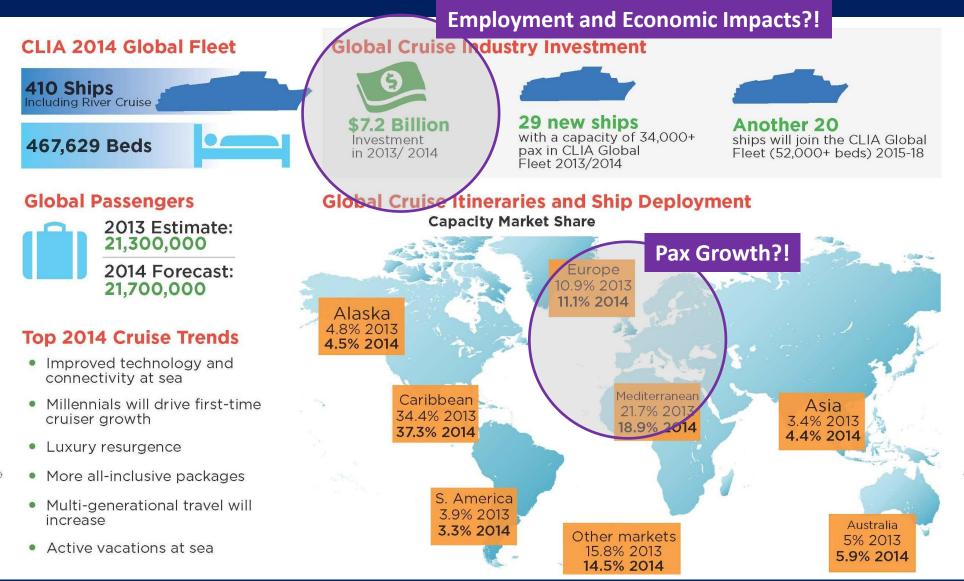


### Modern Floating Destinations Full of Unique Experiences Some Impressions from the RCL Quantum of the Seas



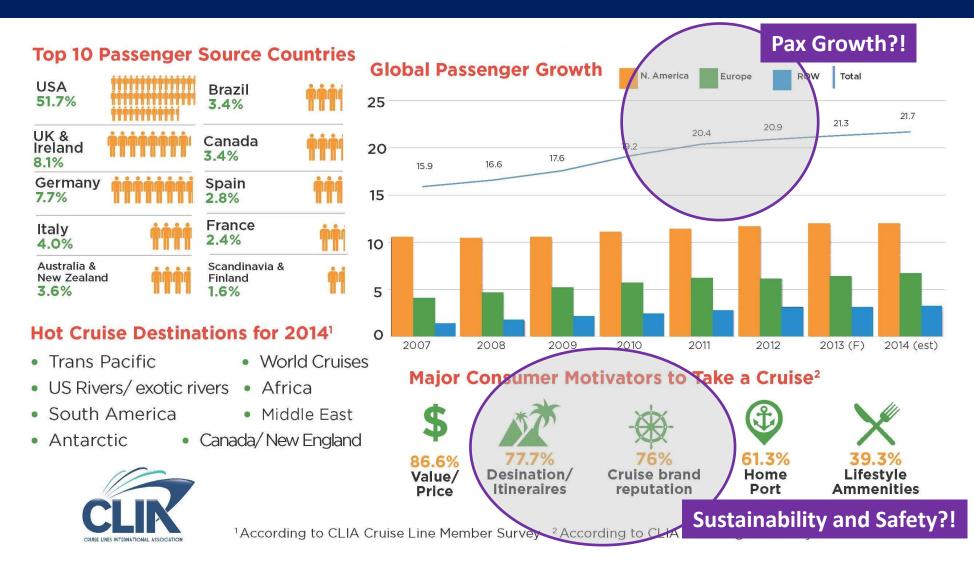
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## CLIA 2014 State of the Cruise Industry Report Demand & Supply Growth



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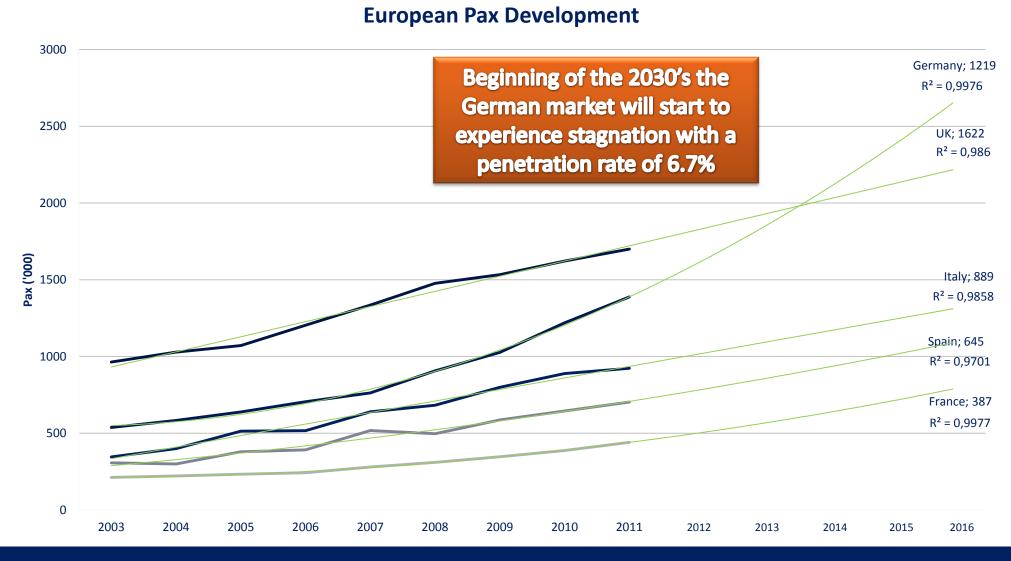
### CLIA 2014 State of the Cruise Industry Report Passenger Growth, Diversity & Value for Money



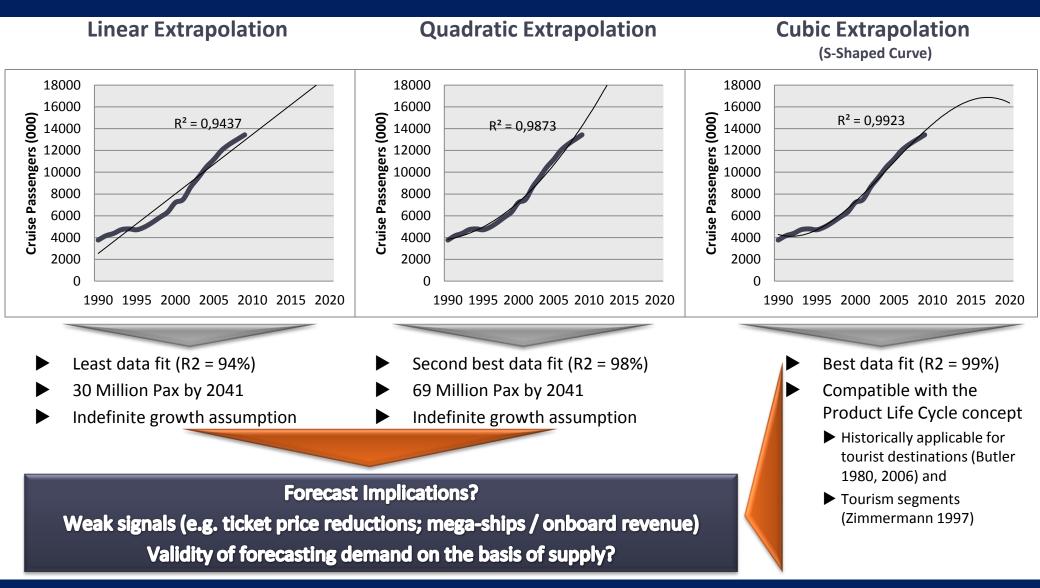
## CRUISE TOURISM & GROWTH / PROFITABILITY The 'Bucket Effect'

### **European Cruise Pax Development & Forecast**

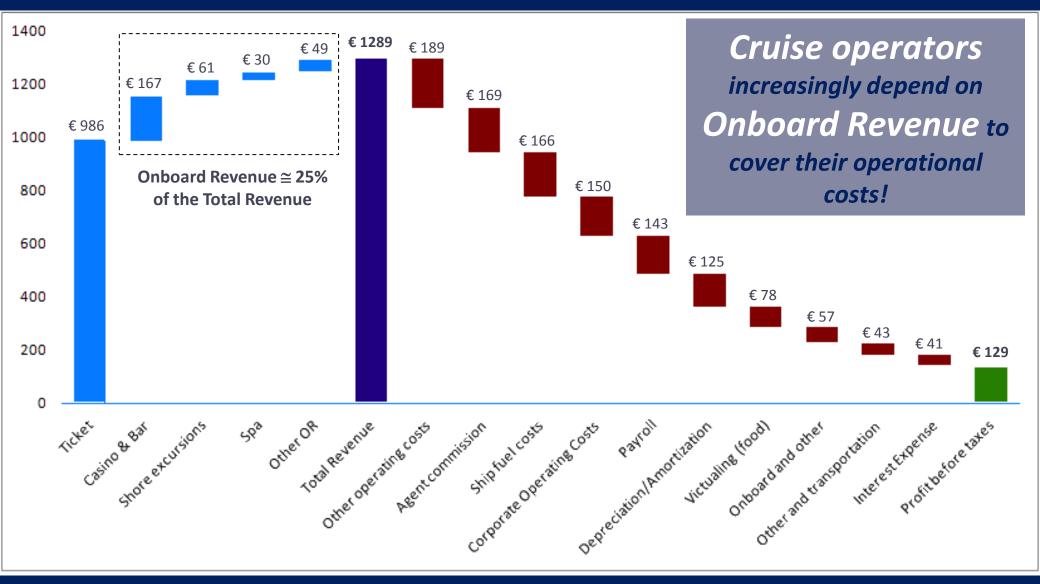
The EU Market is promising... Germany expected to be the leading EU source market by 2014



## A Critical View on Growth: Extrapolation of Historical Data

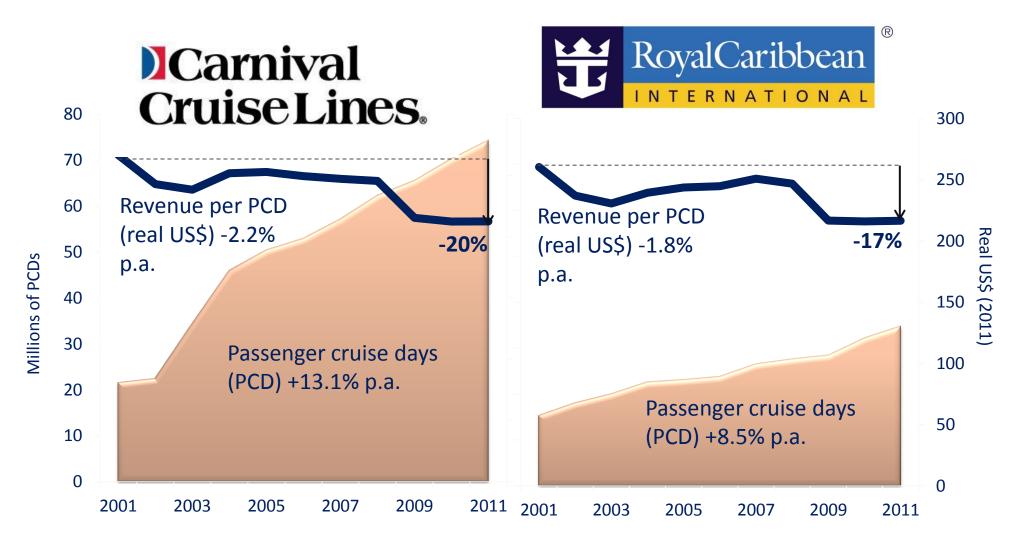


### Average Cruiser 2013 Financial Breakdown\*



\* Source Data: Cruise Market Watch. (2013). Financial Breakdown of Typical Cruiser. Cruise Market Watch Homepage. Available URL: http://www.cruisemarketwatch.com/home/financial-breakdown-of-typical-cruiser/, Accessed: 23/01/2013

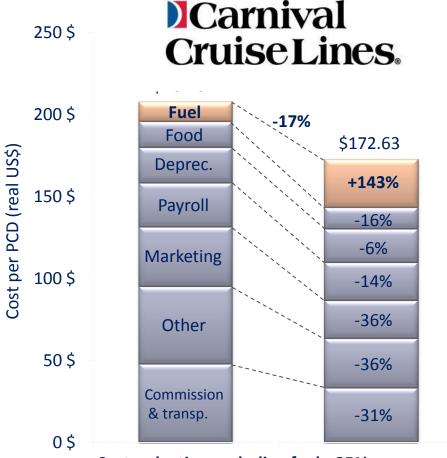
### Balance Sheet Analyses (RCL & Carnival) 2011\* Dependence on Onboard Revenue

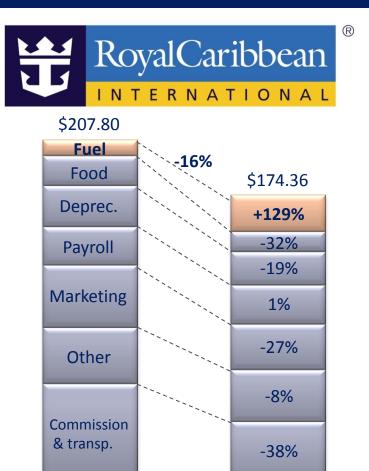


#### © Alexis Papathanassis

\* Source: Vogel, M. (2012). Crises & Cruises: Cruise Line Economics 2001-2011. Presented at the 4<sup>th</sup> International Cruise Conference (Leeuwarden, Netherlands). May 21<sup>st</sup>

### Balance Sheet Analyses (RCL & Carnival) 2011\* Cost-Saving Pressures?!





Cost reduction excluding fuel: -25%

Cost reduction excluding fuel: -21%

### Costs per PCD 2001 vs. 2011 excluding cost of onboard sales

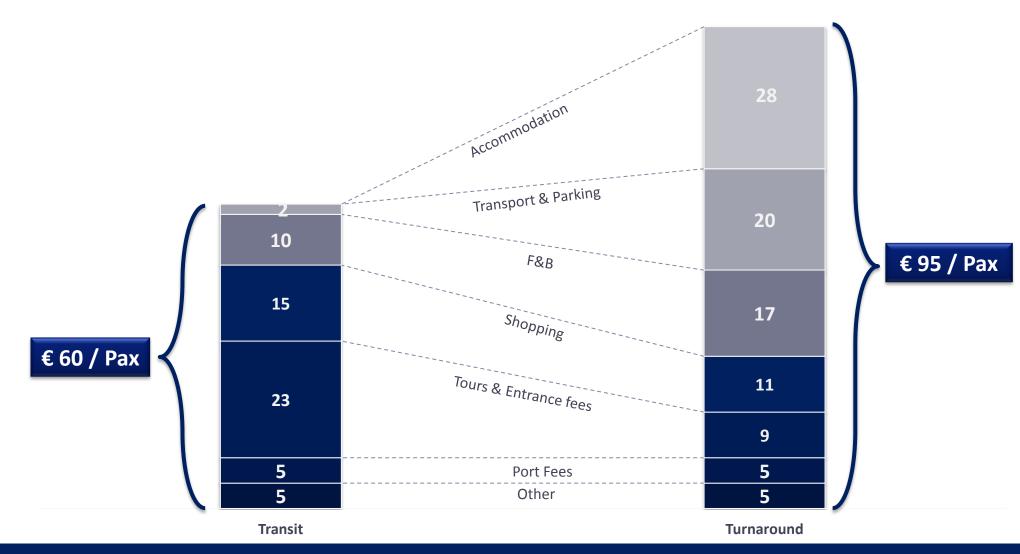
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\* Source: Vogel, M. (2012). Crises & Cruises: Cruise Line Economics 2001-2011. Presented at the 4<sup>th</sup> International Cruise Conference (Leeuwarden, Netherlands). May 21<sup>st</sup>

## **CRUISE DESTINATION PROSPECTS**

### The 'Sound of Money'... But where is it?

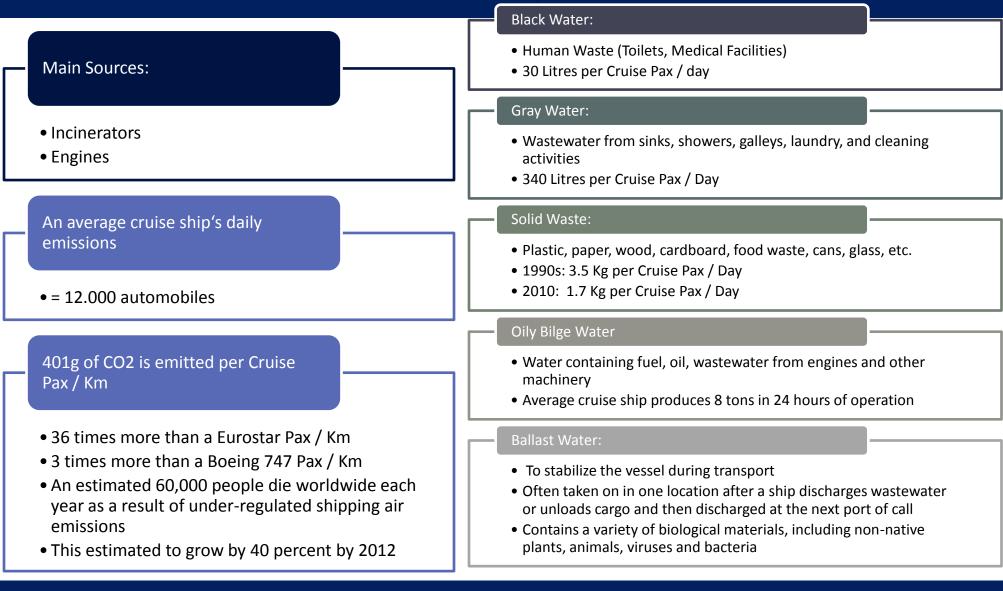
## Pax Spending on Ports Transit (Port of Call) vs. Turnaround (Arrival / Departure Port)



© Alexis Papathanassis

Base data: European Cruise Council (2012). The Cruise Industry: Contribution of Cruise Tourism to the Econonies of Europe, URL: http://www.europeancruisecouncil.com/content/economicreport.pdf

## Environmental Externalities... Are they Worth the Money? "Clean Ships?"



### Friends of the Earth: 2013 Cruise Ship Report Card\*

2013 Cruise ship report card								
Cruise line	Sewage treatment	Air pollution reduction	Water quality compliance	Change from 2012	2013 final grade			
Disney Cruise Line	A	В	A		А			
Holland America Line	B+	С	A		в			
Princess Cruises	B-	B-	А	<b>V</b>	в			
Norwegian Cruise Line	А	D	A		в			
Celebrity Cruises	А	D	N/A		C+			
Royal Caribbean Int'l	А	F	N/A		С			
Carnival Cruise Lines	F	C-	A		C-			
Cunard Cruise Line	А	F	N/A	_	C-			
Seabourn Cruise Line	А	F	N/A	_	C-			
Regent Seven Seas Cruises	C+	F	В	<b>V</b>	D+			
Silversea Cruises	F	F	A	_	D			
Oceania Cruises	В	F	F	<b>V</b>	D-			
MSC Cruises	D	F	N/A	N/A	F			
P&O Cruises	D-	F	N/A	_	F			
Costa Cruises	F	F	N/A	_	F			
Crystal Cruises	F	F	N/A	_	F			

Whether a cruise line has installed the most advanced sewage and wastewater treatment systems available instead of dumping raw or minimally treated sewage directly into the water Whether a cruise line has retrofitted its ships to "plug in" to available shore-side electrical grids instead of running polluting engines when docked To what degree cruise ships violated 2009 water pollution standards designed to better protect the Alaskan coast

### © Alexis Papathanassis

\* Friends of the Earth (2014). Cruiseship Environmental Report Card. Available Online: http://libcloud.s3.amazonaws.com/93/ce/4/3280/Cruise\_ship\_report\_card\_2013.pdf. Accessed: 08.05.2014

### Chain Power & European Destinations... A US Cruise Line Exodus from Europe?



"Therefore we (Carnival) have decided to **keep ships in North America** during this period rather than place capacity in Europe in 2014."\*

"Industry giant Royal Caribbean only will have seven ships in Europe in 2014, not eight as originally planned, as **soft demand in the region** prompts the company to cut back." \*\*



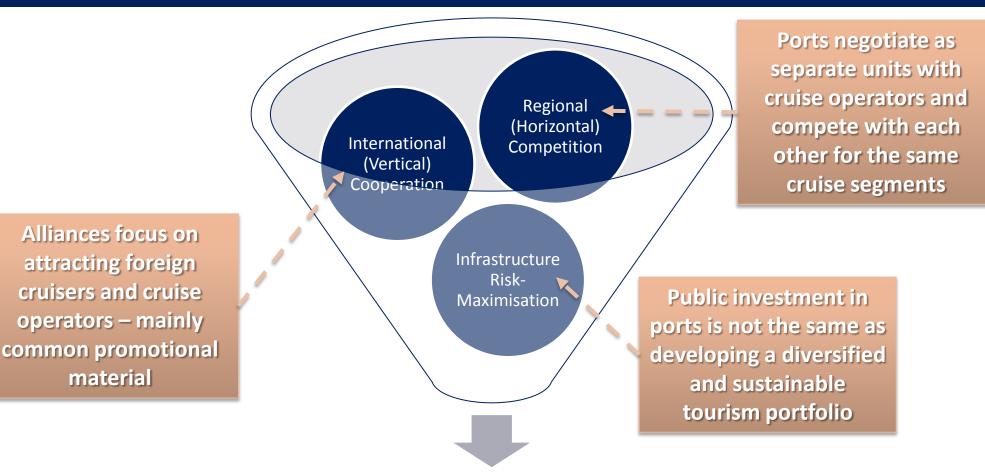
"Both Royal Caribbean Cruises and Princess Cruises are reducing capacity in the Mediterranean. Royal Caribbean said it plans to reduce 2014 year-on-year capacity in Europe by a further 10 per cent." \*\*

\* http://www.usatoday.com/story/cruiselog/2013/05/13/carnival-cruise-europe-2014/2156097 \*\* http://www.usatoday.com/story/cruiselog/2013/05/13/carnival-cruise-europe-2014/2156097

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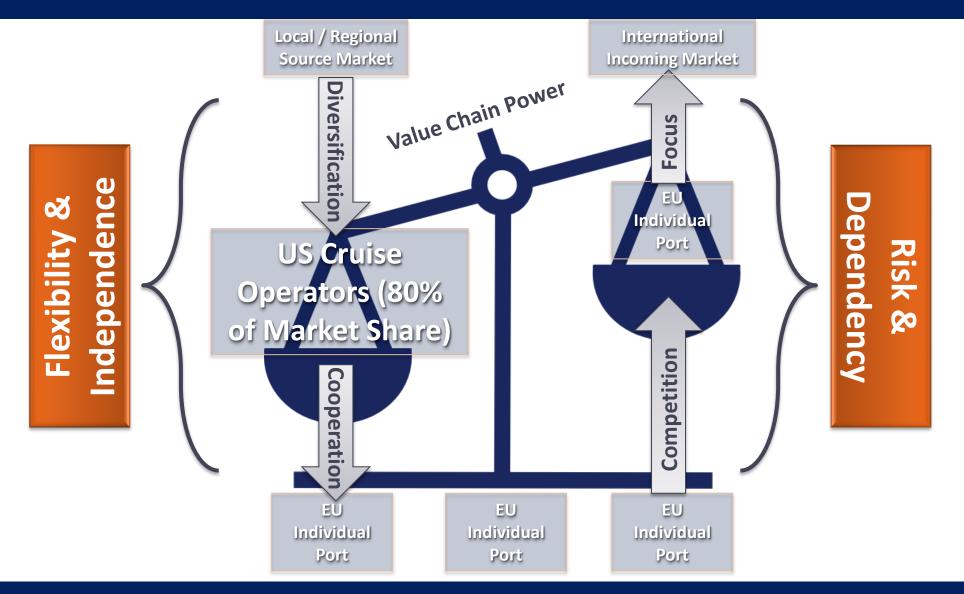
\*\*\* http://www.telegraph.co.uk/travel/cruises/cruise-news/10054416/Carnival-Cruise-Lines-abandons-Europe.html

### Port Strategies ... Are we really talking about a long-term strategy ?!?!



EU Port Reduced Vertical Power and Increased Upstream Dependency in the Cruise Value Chain

## The As-Is Situation Simplified...

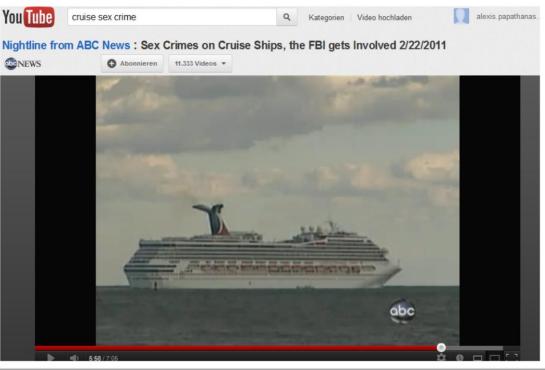


# **SAFETY & SOCIAL RESPONSIBLITY**

## Are Cruises Safe?

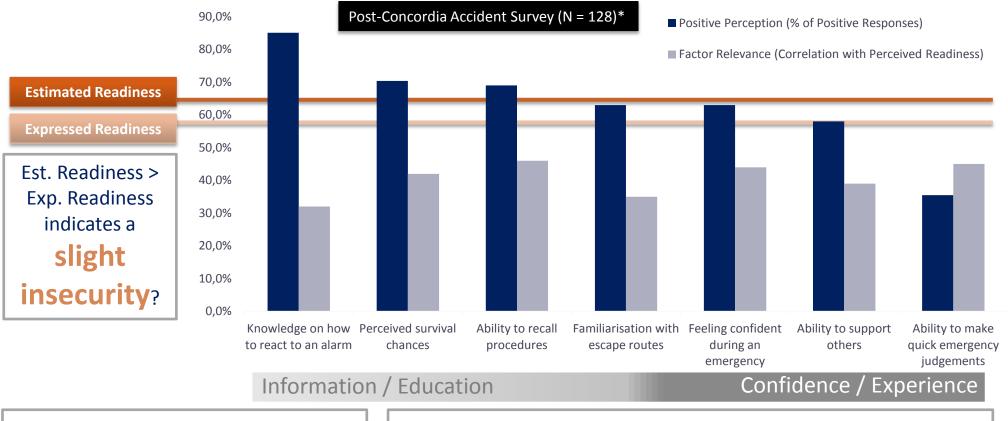
**Cruises** are generally and comparatively (to other holiday forms) **safe.** Although there are several incidents at sea every year, the amount of injuries and death are relatively low...





... But the question is not whether cruises are safe or not! It about how can they become even **Safer**?

## Cruises & Safety Perceptions Do Cruisers feel able to deal with an onboard emergency?



**54%** of respondents view safety as their **own responsibility** especially when travelling with their family?

### **53%** of respondents do **not trust (or cannot assess)**

the **crew's ability** to deal with an emergency... Staff perceived as highly motivated and willing to help, but less highly as able to provide information and communicate emergency info...

#### © Alexis Papathanassis

\* Source Data: Schwenke, C. (2012). Safety at Sea in the Post-Concordia Era: Analysis of Passengers' Crisis-Reaction Readiness Onboard Cruise Ships, Bremerhaven University of Applied Sciences Research Thesis (Supervisor: Alexis Papathanassis)

## Incidents at Sea... Beyond the Titanic and Concordia!



Image Source: http://www.cruiselawnews.com/tags/hearing/

Reported Incidents of Ships Sinking 1990-2013\*:

• 48 in Total

Disabling and major events 1990-2013\*:

- 448 in Total
  - 139 Shipboard Fires
  - 106 Ship Collisions
  - 203 Other Disabling Events (Power loss, Propulsion problems, Engine Damage, etc.)

\* Klein, R. (2014). Events at Sea Broken Down by Cruise Line and by Ship. CruiseJunkie dot com Homepage, URL: http://www.cruisejunkie.com, Access date: 09.01.2014

## 'Too Big to Sail'\* The Costa Concordia Aftermath and Questions Raised

'Given the size of today's ships<mark>, any problem</mark> immediately becomes a very big problem,'

The New York Times

"The simple problem is they are building them too big and putting <mark>too many people aboard,"</mark>

October 27, 2013

"My answer is they probably exceeded the point of manageability."

## **Too Big to Sail? Cruise Ships Face Scrutiny**

A recent report by the Coast Guard on the Splendor fire revealed glaring problems with the crew's firefighting abilities as well as failures in fire safety equipment.

The investigation did not address the size of the ship, which carried 3,299 passengers. But it showed that big vessels can quickly become crippled by small fires that disable complex systems. No passengers were hurt, but the damage to the engine room was severe, disabling the ship's power and forcing it to be towed to port in San Diego.

### Carnival Triumph Incident Some Passenger Reactions...





http://boards.cruisecritic.com/showthr ead.php?t=1789392&page=7



Image Source: http://photoblog.nbcnews.com/\_news/201 3/02/14/16968298-passengers-begindisembarking-from-carnival-triumph-cruiseship?lite





Image Source: http://www.theguardian.com/world/ shortcuts/2013/feb/15/carnivaltriumph-six-cruises-from-hell



Image Source: http://boards.cruisecritic.com/showthread. php?t=1789392&page=7

### Crime at Sea... Sexual Assault\*! Not Mentioning Theft, Missing Persons, etc.

### "In fact, the risk of sexual assault on a cruise ship is almost twice that of forcible rape in the US, and calculated as 48.065 per 100,000"

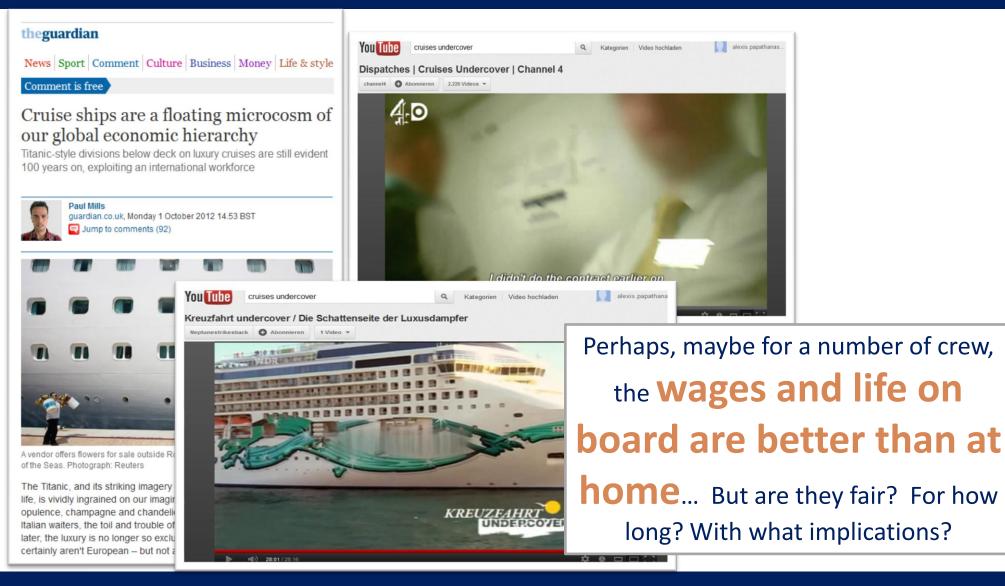
(Klein, 2007:68)\*\*

Location of Incident (Where Known)			Work Role of Perpetrator			
Location of Incident	RCI, 1998–2005 ( <i>n</i> = 316)	Celebrity, 1998–2002 (n = 37)	Work Role	RCI, 1998–2005 $(n = 136)^{a}$	Celebrity, 1998–2002 $(n = 33)^{a}$	
Passenger cabin Crew cabin/crew area Bar Dining room Spa Corridor Deck Public area Disco Public bathroom Ashore Youth program Elevator Pool Total	36.4% 7.3% 7.3% 6.6% 5.7% 5.7% 5.4% 5.4% 5.1% 4.4% 4.1% 3.2% 1.9% 1.6% 100.1%	$\begin{array}{c} 40.5\%\\ 27.0\%\\ 5.4\%\\ 13.5\%\\ 2.7\%\\ 2.7\%\\ 2.7\%\\\\ 2.7\%\\\\ 2.7\%\\\\ 2.7\%\\\\ 100.1\%\end{array}$	Room steward <sup>b</sup> Waiter <sup>b</sup> Bar worker <sup>b</sup> Officer Musician/entertainer Cleaner Youth staff Security officer Casino worker <sup>b</sup> Galley worker Other	34.8% 25.0% 13.2% 8.1% 5.1% 2.9% 2.9% 2.2% 2.2% 1.5% 2.9% 100.8%	18.2% 21.2% 24.2% 18.2% 6.1% 3.0% 	

#### © Alexis Papathanassis

\* Klein, R. & Poulston, J. (2011). Sex at Sea: Sexual Crimes Aboard Cruise Ships. Tourism in Marine Environments. 7(2): 67-80 \*\* Klein, R. A. (2007). Crimes against Americans on cruiseships. Subcommittee on Coast Guard and Maritime Transportation Hosue Committee on Transportation and Infrastructure.

## **Employment Conditions on board... Media Dramatisation?**

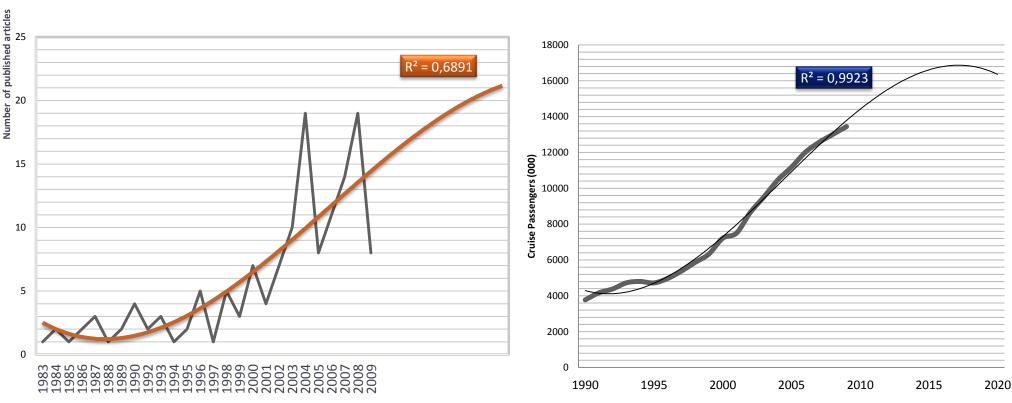


## **CRUISE TOURISM & 'RESEARCHABILITY'**

### Cruise Research Following the Sector's Growth Trend

## Cubic Extrapolation of cruise-related published articles

## Cubic extrapolation of CLIA members' passenger numbers.



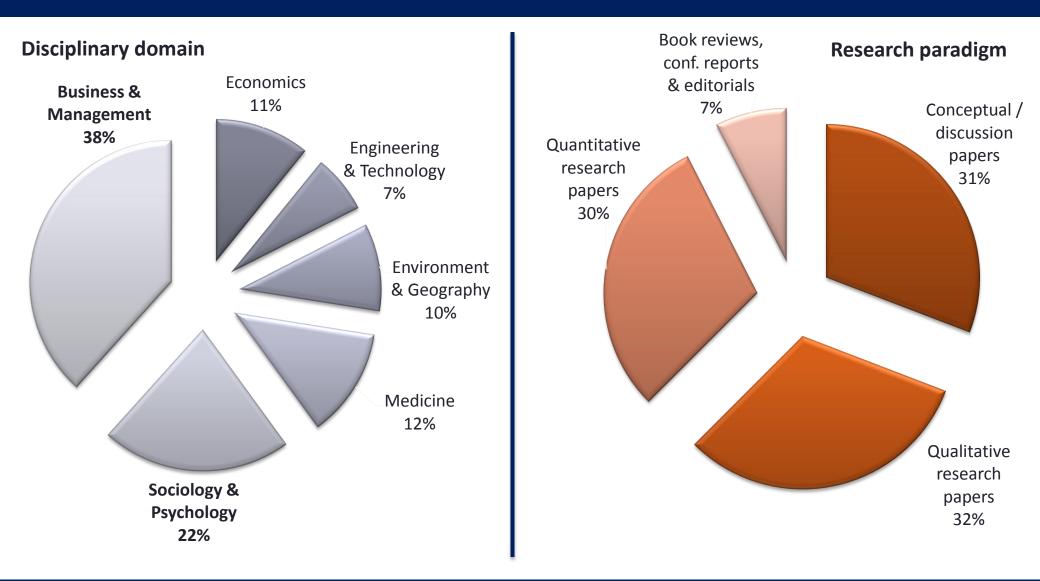
Data Source: Papathanassis & Beckmann 2011

Data source: CLIA (2010)

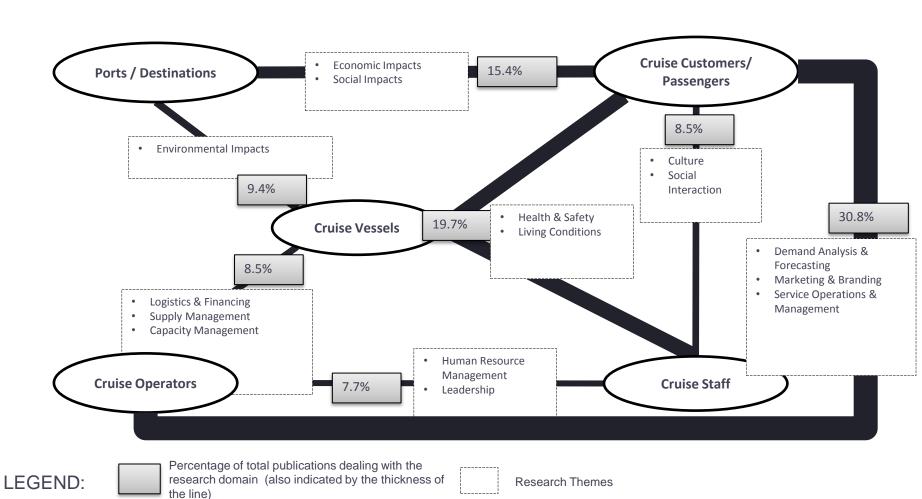
### © Alexis Papathanassis

\* Papathanassis, A., Matuszewski, I. & Brejla, P. (2011). The 'Cruise Ship Railing Dance': Conducting academic research in the cruise domain, presented in the 3<sup>rd</sup> International Cruise Conference, University of Dubrovnik (Dubrovnik, Croatia). May 17<sup>th</sup>. Available URL: http://www.papathanassis.com/dlfiles/cruisacares.pdf

## What & how? Disciplinary scope & research paradigms employed



### Cruise Research 1983 – 2010: Thematic Analysis



### LAND-BASED DOMAINS

ONBOARD DOMAINS

### Keyword Analysis Not 'Managerialism'... But 'Marketism'



### Quantitative Research & Cruising Data Availability Determines Research Questions

### **Descriptive Statistics**

- Examples: Marti, 1992; Teye & Lecrerc, 1998; Douglas & Douglas, 2004
- Sampling Frame: Mostly single cruise (or cruises of the same company)
- Average sample size (primary): 340
- Secondary Data Sources: Sector indicators, Incidents, Websites, Brochures
- Data collection method: Questionnaire Survey (primary), Content analysis (secondary)

Comparisons (ANOVA, Ch-Square, Cluster Analysis, Z- & t-Tests)

- Examples: Moscardo & Morrison, 1996; Miller & Tam, 2000; Petrick, 2003; Sirakaya & Petrick, 2004; Cramer & Blanton, 2006; Brownwell, 2008)
- Sampling Frame: Different voyages

   same ship, secondary sources (e.g. GISS data, market research data)
- Average sample size: 1188 (primary), 15570 (secondary)
- Data Collection Method: Questionnaire Survey
- Data recycling: Petrick, 2003 Sirikaya & Petrick, 2004)

Association / Modelling (Wald Test, Univariate Analysis, Exploratory Factor Analysis)

- Examples: Marti, 2004; Gabe & Lynch, 2006; Jones, 2007; Hung & Petrick, 2010;)
- Sampling Frame (Av. Sample Size): Single port visitors (394), single cruise (300), undergraduates
- Data Collection Method: Questionnaire Survey & Semistructured interviews
- Data Recycling: Hung & Petrick, 2010 x 2 (Journal of Tourism Management / Annals of Tourism Research)

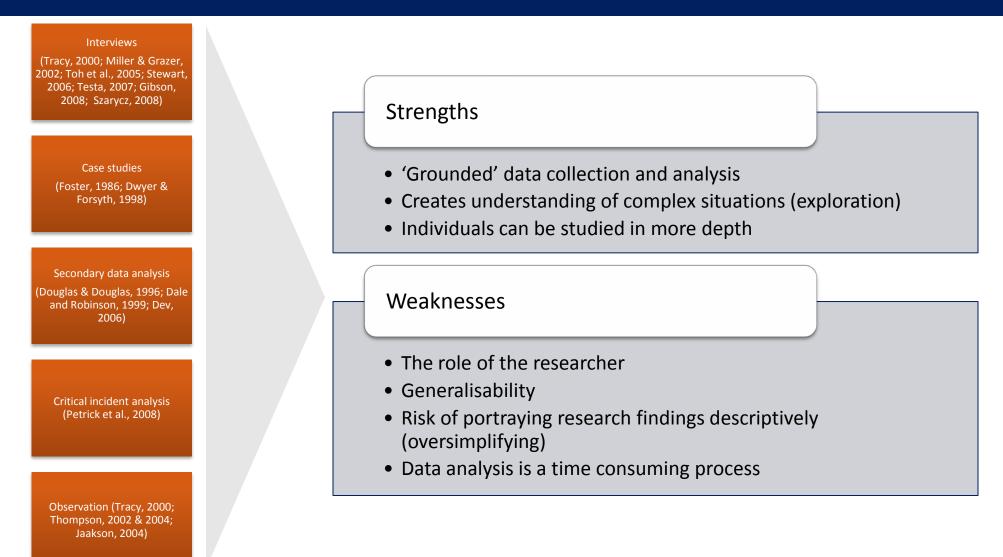
### Majority of Quant. Research (Turning funded market research into a published paper?)

Second Most Frequent Quant. Research (Data access opportunism?) Rare Quant. Research (Lack of appropriate sampling frames?)

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\* Papathanassis, A., Matuszewski, I. & Brejla, P. (2011). The 'Cruise Ship Railing Dance': Conducting academic research in the cruise domain, presented in the 3<sup>rd</sup> International Cruise Conference, University of Dubrovnik (Dubrovnik, Croatia). May 17<sup>th</sup>. Available URL: http://www.papathanassis.com/dlfiles/cruisacares.pdf

### Qualitative Inquiry in the Cruise Industry Methods Applied, Strengths & Weaknesses



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\* Papathanassis, A., Matuszewski, I. & Brejla, P. (2011). The 'Cruise Ship Railing Dance': Conducting academic research in the cruise domain, presented in the 3<sup>rd</sup> International Cruise Conference, University of Dubrovnik (Dubrovnik, Croatia). May 17<sup>th</sup>. Available URL: http://www.papathanassis.com/dlfiles/cruisacares.pdf

### The 'Cruise Research' Sirens... And the Odyssey of the Cruise Researcher

Growth & Profitability (Source Markets) Growth & Profitability (Destinations)

Cruise Researcher 'Marketism'

**'Critical Mindset'** (Observes but has Ears Sealed)

Methodological rigour / Publication Poverty

**Data Availability** 

Safety & Social Responsibility (Passengers & Crew)

## **Thank You for your Attention**





**Prof. Dr. Alexis Papathanassis** Cruise Management & e-Tourism

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### <u>Research Functions:</u>

- Founder & Chairman of the **Cruise Research Society** (<u>http://www.cruiseresearchsociety.com</u>)
- Co-Director of the Institute for Maritime Tourism (IMT) (<u>http://www.imt.hs-bremerhaven.de/</u>)
- Editorial Board Member of the Journal of the European Journal of Tourism, Hospitality and Recreation (EJTHR) (http://www.ejthr.com/)
- Reviewer of the Tourism Management Journal (http://journals.elsevier.com/02615177/tourism-management/)
- Administrative Functions:
- Dean of Studies Faculty of Business & Economics
- Chairman of the CIM Examinations Committee
- Member of the CIM Study Affairs Committee