

#### Soc. Port. de Buenaventura

#### FORECASTING IN AN AGE OF UNCERTAINTY

2 February 2017

Robert West Bob.West@Duaga.com +1 617 309 0521

#### Over 25 Years of industry experience...



Specialized consulting for infrastructure with an emphasis on ports and harbors.



Processing Big Data to provide international trade business intelligence to increase your market share, with two successful products, DuPort Data for ports DuTrade Data for enterprises



Outsourcing of labor intensive engineering services at hourly rates 45 % - 65 % lower than U.S commercial rates – including CAD services.

## **Clients & Collaborators**







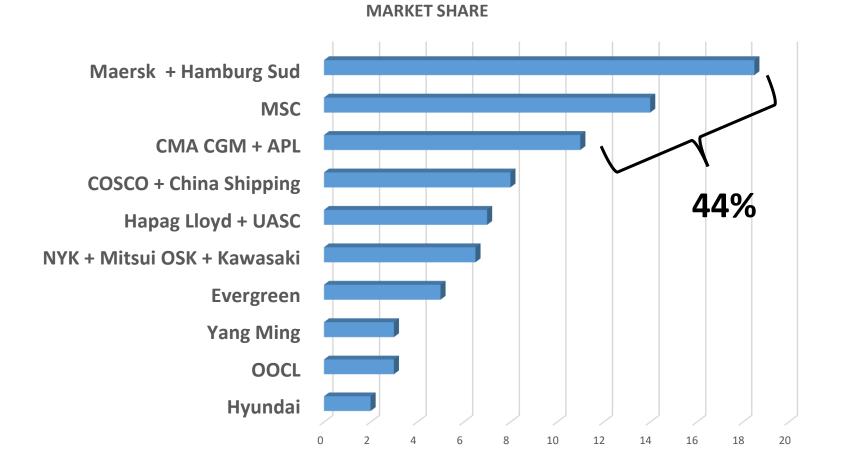


- What are we so uncertain about?
- The current economic and trade outlook
- How to treat past history
- Rules of the forecasting game

## Who would have thought?



#### WORLD'S BIGGEST SHIPPING LINES

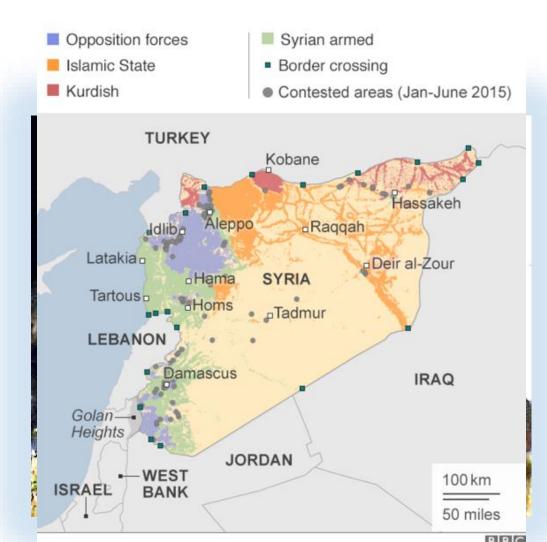


## Who would have thought?



That **437,363** people would be murdered in Syria since 2011?

**11 million without homes** 







# We elected a new head of the free world.





- Reduced trade volumes?
  - Free trade or less trade

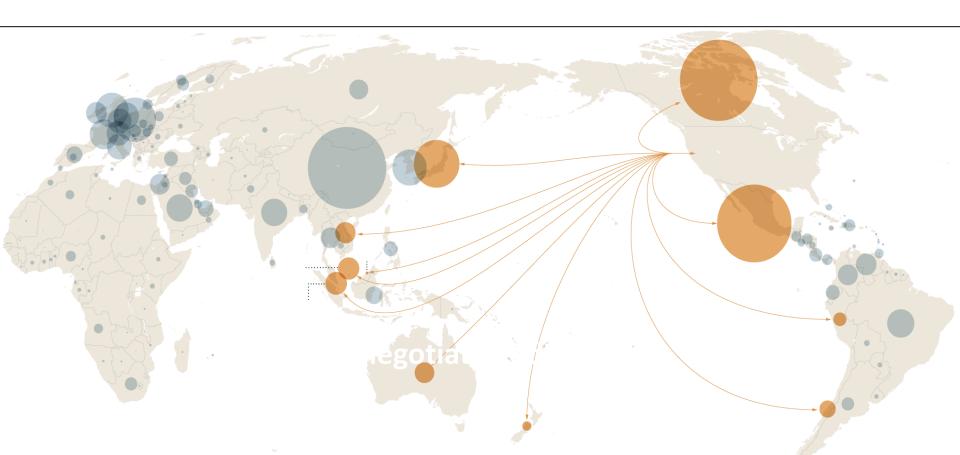
- Port infrastructure funding?
  - Perhaps a big boost smoother supply chains

#### These 8 guys have the same wealth as the bottom half of the world's population TUAGA 3.5 billion people





## The TPP was torpedoed!

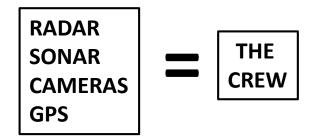


Who would have thought?



#### Ships without crews



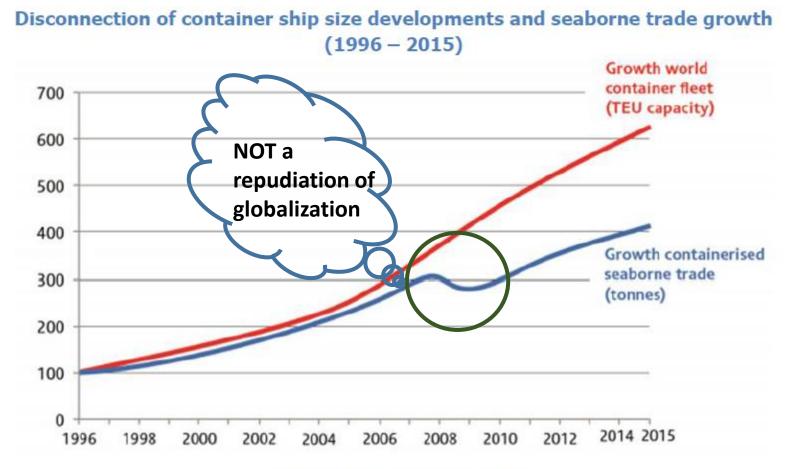


### **Uber Maritime?**

**Rolls-Royce** 

## Idle capacity overhang

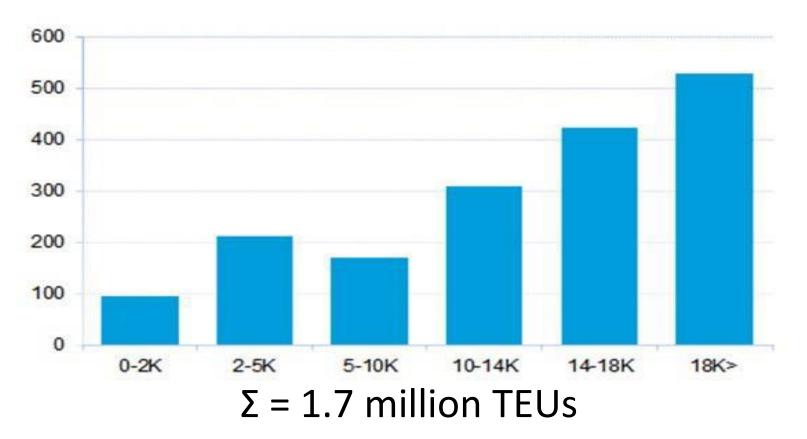




Source: International Transport Forum



#### Mega ships are still being built and deployed. Cascading big ships into trades that don't have enough volume to support them







#### **Especially in the N-S trades**



Drewry Maritime Research



- What are we so uncertain about?
- The current economic and trade outlook
  - How to treat past history
- Rules of the forecasting game



- North America and Europe are slowly pulling the train
- China exports are slowing because NA + EU are slowmoving
- Hence, exports from this hemisphere to China have slowed
- Asia's incomes are still very low and not big enough to fill the shoes of a slowing NA and EU
- And, the US Government's new trade policies are not yet clear

## In the short term, the economic outlooks are fairly positive



		<u>2015</u>	<u>2016</u>	<u>2017</u>
Positive	Colombia	3.1%	2.3%	2.8%
	Chile	2.1%	1.7%	2.2%
	Costa Rica	3.7%	3.8%	3.8%
	Mexico	2.5%	2.1%	2.5%
	Panamá	5.8%	5.7%	5.9%
	Perú	3.3%	3.7%	4.2%
	USA	2.5%	1.6%	2.9%
	Canada	1.2%	1.3%	2.0%
	Argontino	<b>7</b> 10/	1 20/	12.00/
Weak	Argentina	2.1%	-1.3%	+3.0%
	Brazil	-3.8%	-3.2%	+1.0%
	Venezuela	-5.7%	-10.0%	(-3.0%)

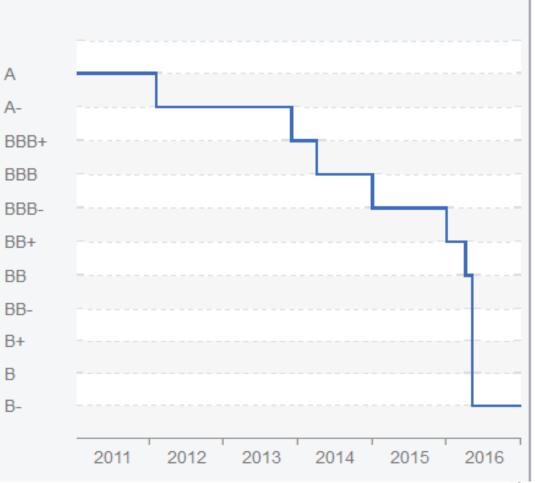
Fuentes: IMF July 2016, LatinFocus, TradingEconomics,BBVA, FocusEconomics, The Economist Intelligence Unit, OECD, The World Bank, The Balance, Bureau of Economic Analysis

## <mark>Hanjin</mark> Shipping -

Some carriers didn't make it

Corporate Bond Credit Rating

Forecasting this event should not have been difficult



Source: Alphaliner Monthly, May, 2016

ideal partne

## Some are buying port operations DUAGA

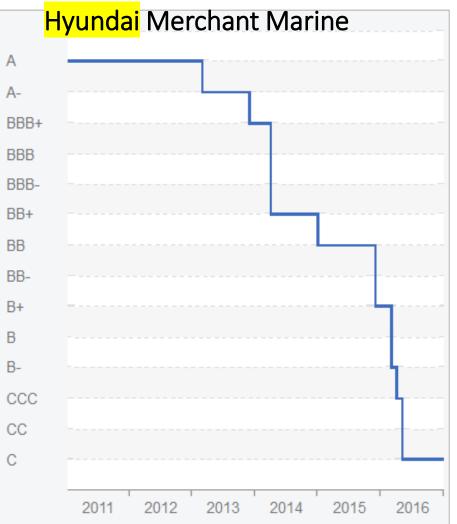
Long Term Unsecured Credit Rating History

Financial restructuring was too late to buy Hanjin

Now buying 25% of Algeciras

#### Getting \$600 million in government aid

Source: Alphaliner 2016, Issue 15 Ports & Shipping News, #47, 2016



13

## Will the *Pacific Alliance* replace the TPP?



In the last 3 years, the Pacific Alliance has accomplished more than the other free-trade efforts in the last 30 years.

#### Will the US join?

#### **Probably not!**

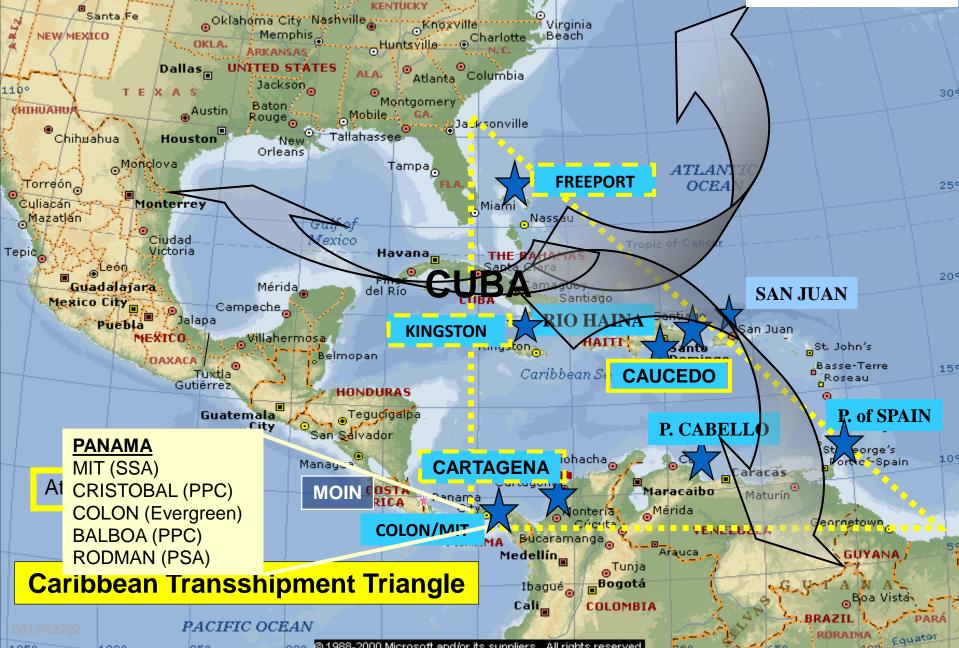
Population = 200 million Income/capita = \$10,000 35% of LAM GDP 8<sup>th</sup> largest economy in the world



"... emerging as one of the most dynamic economic regions in the world" - IDB

#### Transshipment ports are now clear





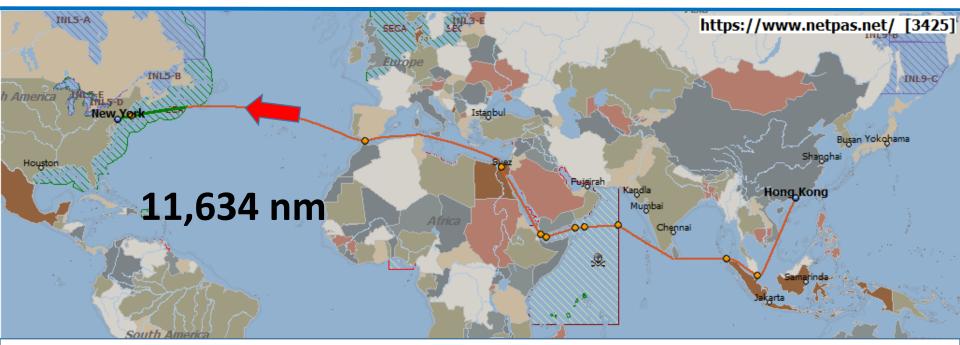
## Another transshipment triangle is forming - Pacific





#### Transshipment benefits – whether East or West

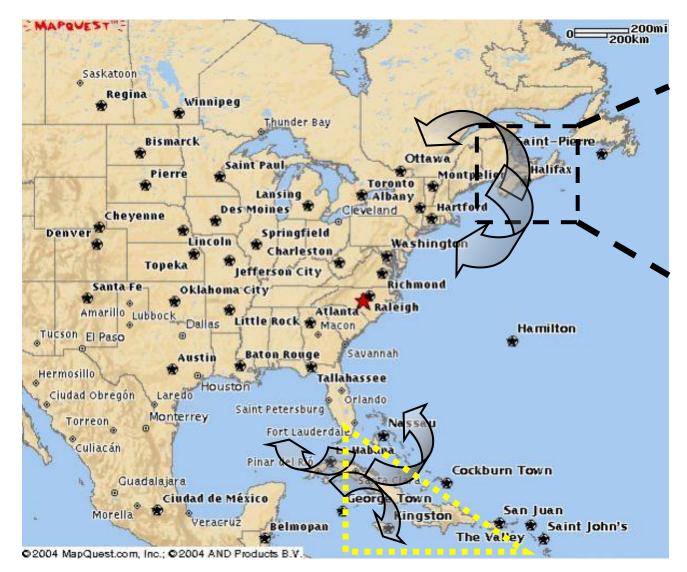






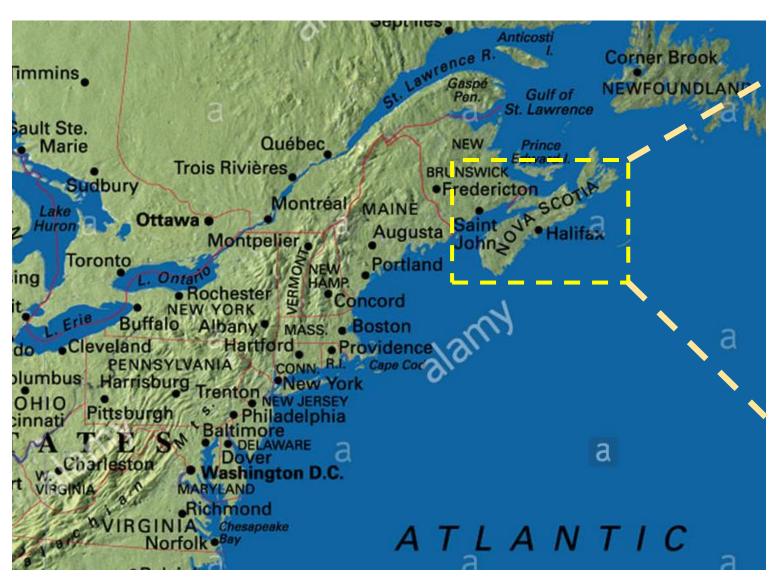
## <u>Two</u> transshipment centers – Caribbean & Canada





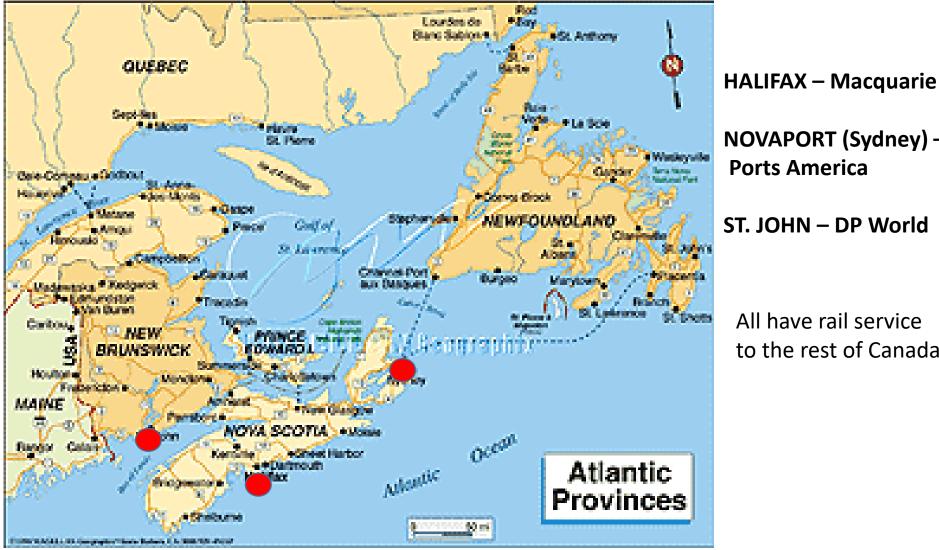
## Two transshipment centers – Caribbean & Canada





#### <u>Two</u> transshipment centers – Caribbean & Canada





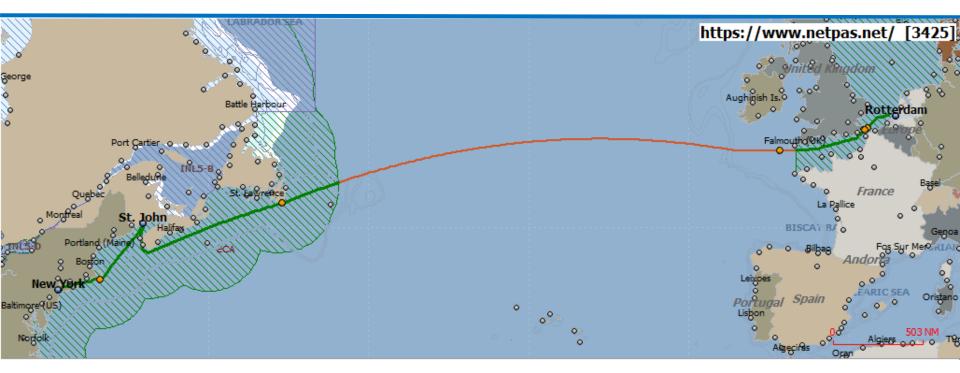
NOVAPORT (Sydney) -**Ports America** 

ST. JOHN – DP World

All have rail service to the rest of Canada

## Transshipment in Canada





#### **Extra distance from Rotterdam to NY if you want to transship**

Novaport Sydney	92 nm
Halifax	32 nm
St. John	195 nm

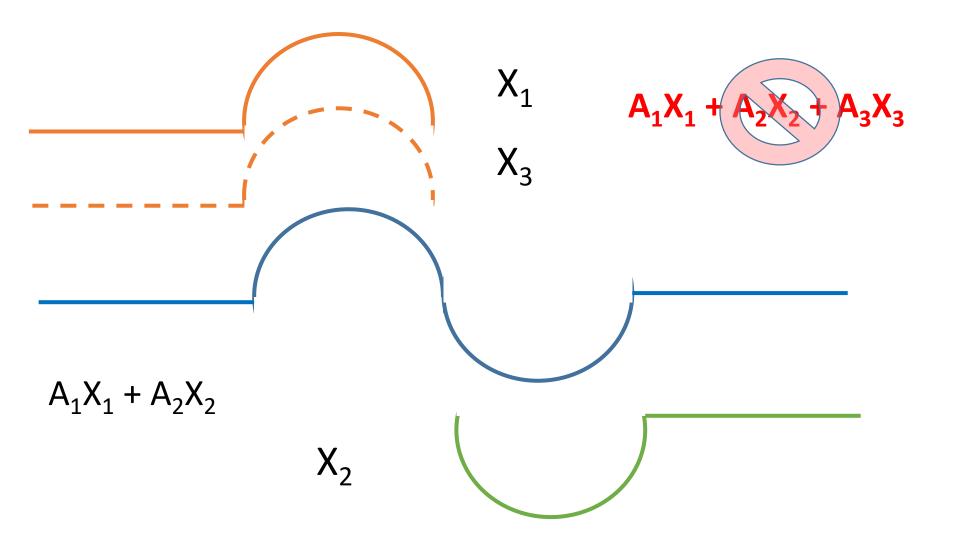


- What are we so uncertain about?
- The current economic and trade outlook



- How to treat past history
- Rules of the forecasting game







- Don't use <u>ATEU</u> /<u>A</u>GDP (was 0.2 / 3.4 in H1 2016)
- Always use independent variables that are easier to forecast than the dependent one
- Get monthly data (DUAGA)
- Use statistics to your advantage manipulate the data to get better fits
- Test short term models by running them long term
- Don't overload models with too many variables
- Choose a great consultant



- All forecasts are wrong
- You should forecast often
- Build scenarios in the face of uncertainty
- Always include at least one macro variable over which you have no control
- Nothing runs in a straight line, except time
- Choose a great consultant



- Uncertainties very important to forecast often
- Get the models right keep testing and adjusting
- Have a 'best' forecast and 2 alternatives
- Stay ahead of the changes and the implications
- Choose a great consultant