



# Mega Trends in Global Logistics: How are trade and supply chains evolving?

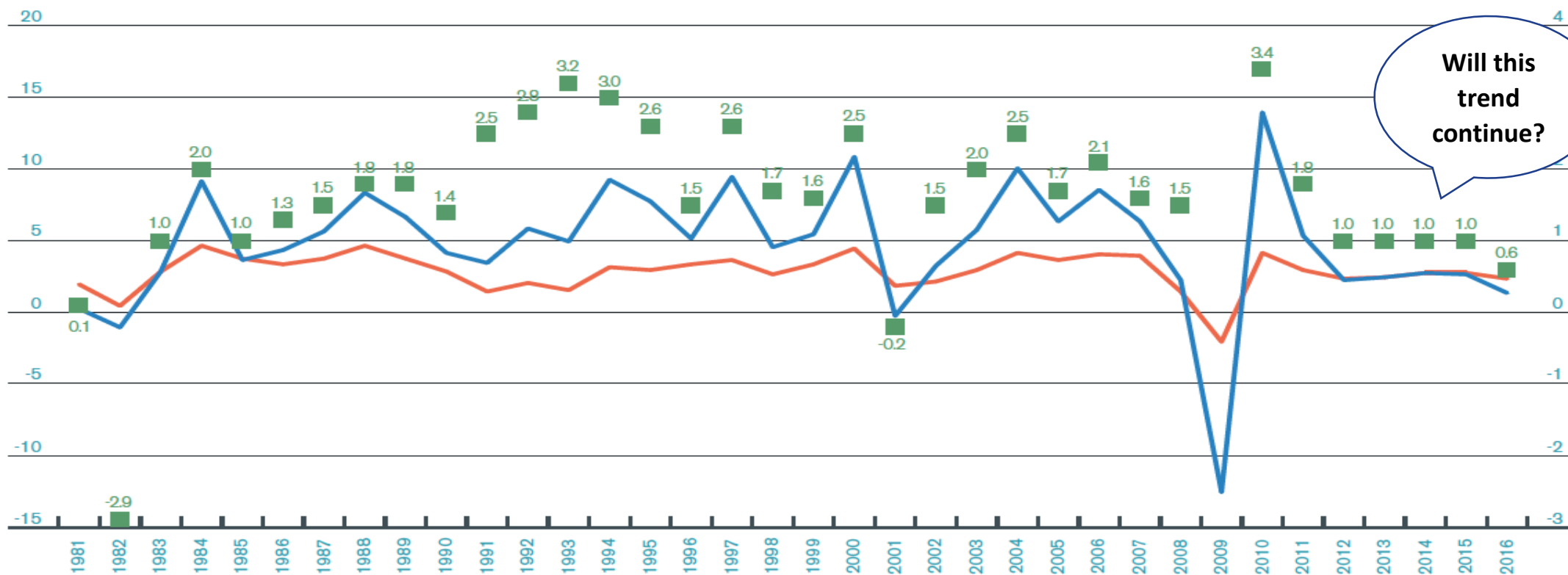
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# Global trade is growing ...but at a slower rate

Ratio of world merchandise trade volume growth to world real GDP growth, 1981-2016  
(Annual percentage change and ratio)



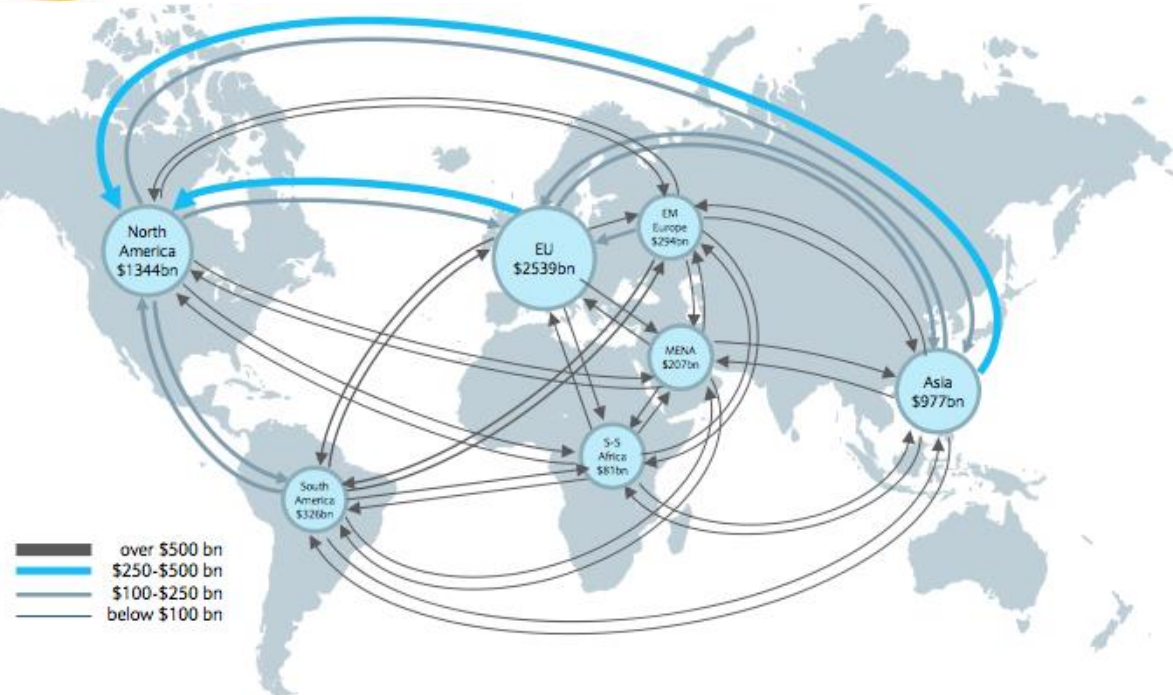
Will this trend continue?

■ World trade volume growth (left) ■ World GDP growth (left) ■ Ratio of trade growth to GDP growth (right)

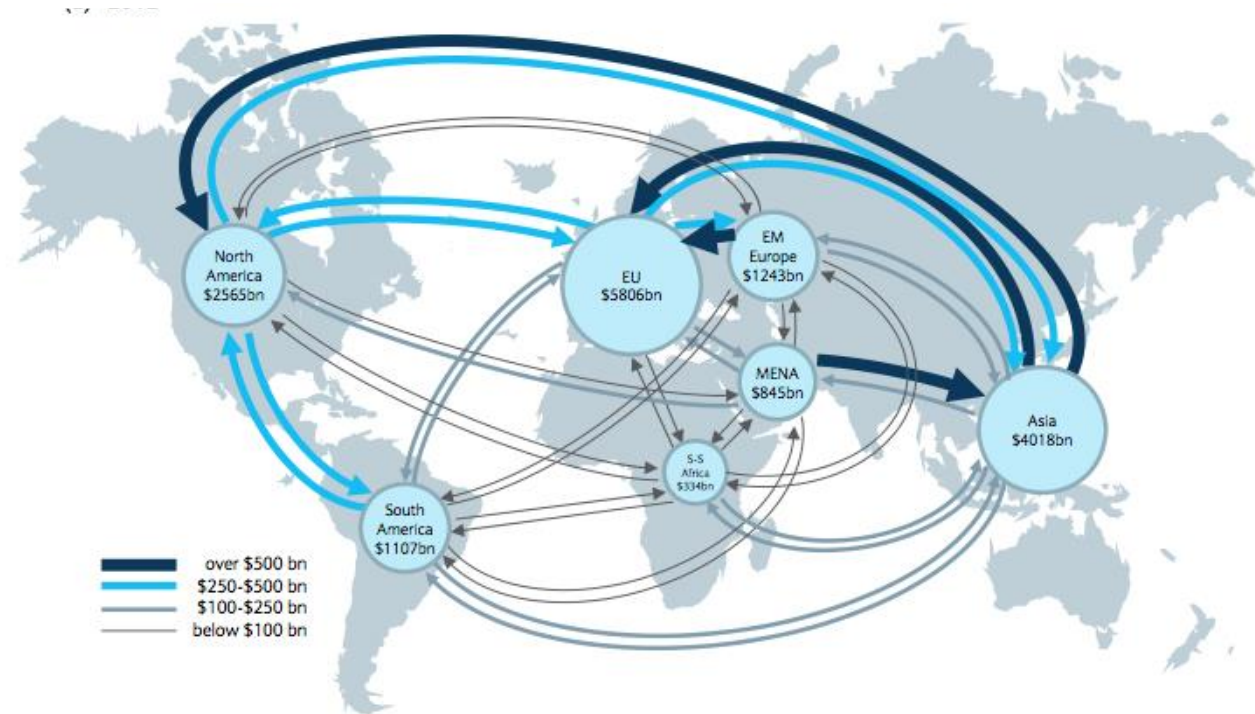
Source: WTO Secretariat for trade; consensus estimates for GDP based on reported data from a variety of sources including the International Monetary Fund, the Organisation for Economic Cooperation and Development and the United Nations.



# Global trade patterns by region— large potential for trade increase



2002



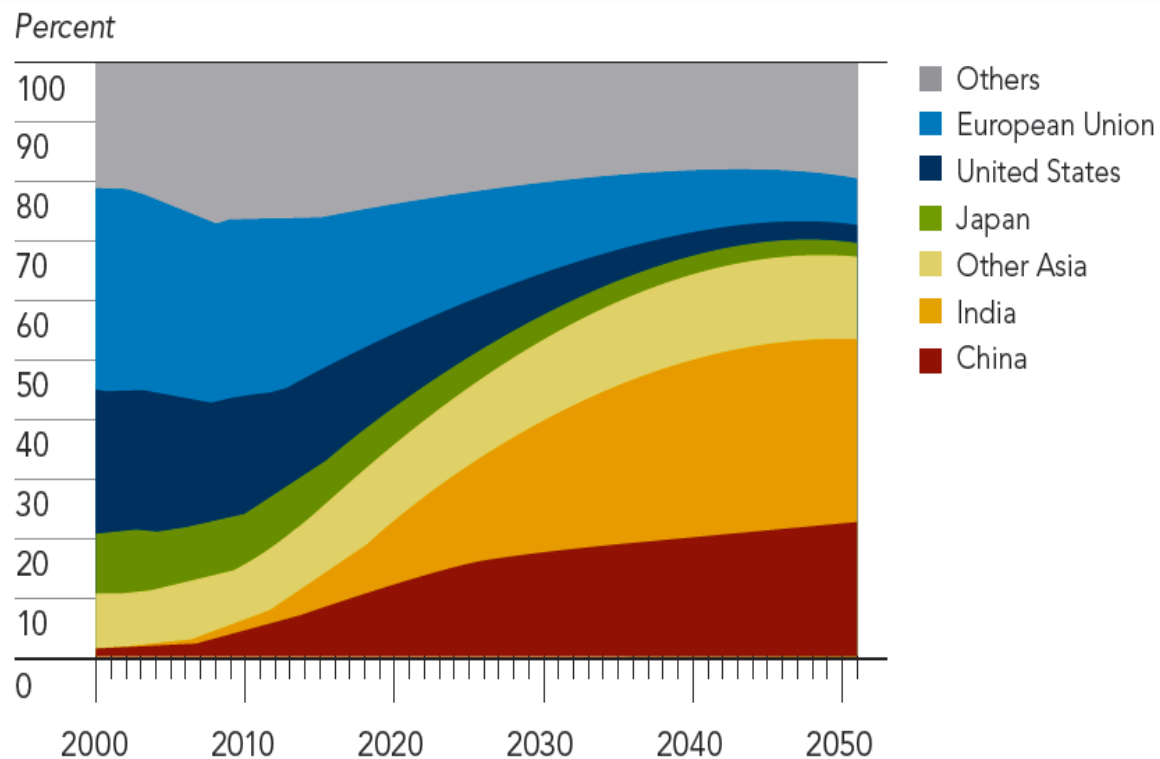
2012

(Source: <https://the-international-investor.com/2013/global-trade-explosion>)

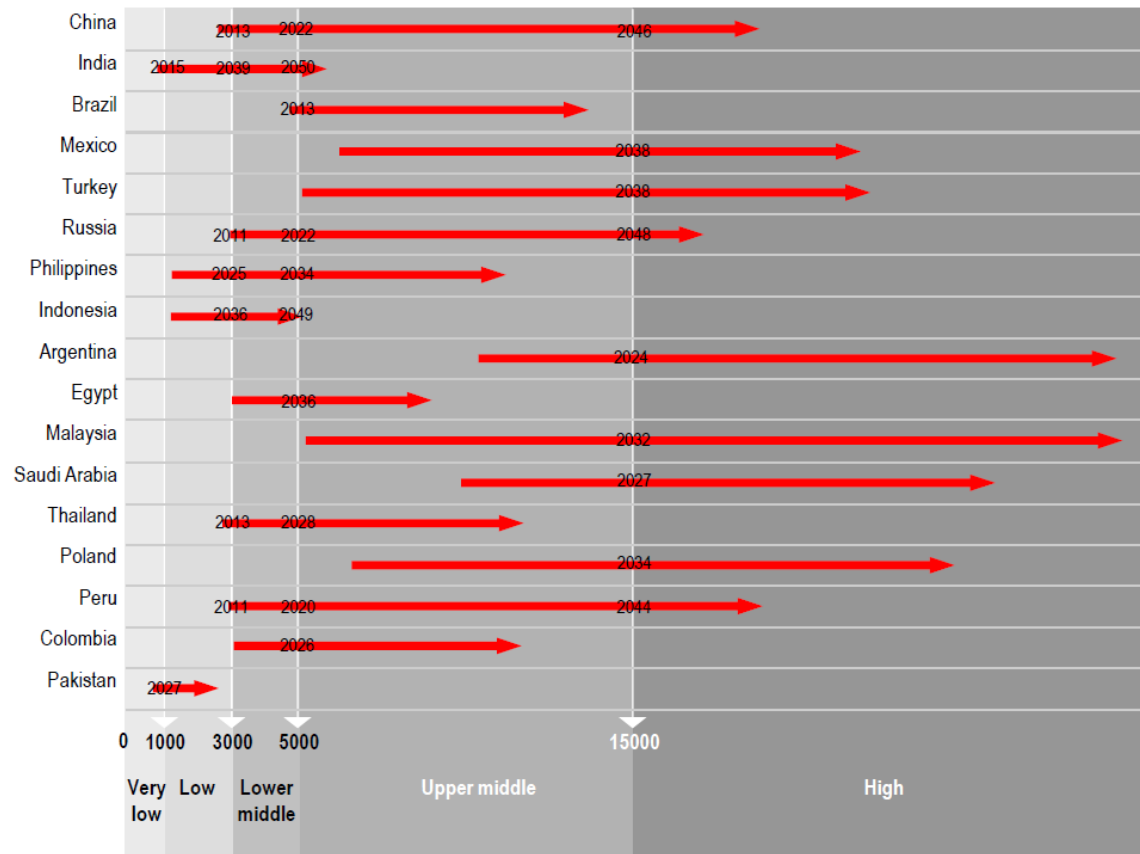


# Increase in consumption is not in doubt

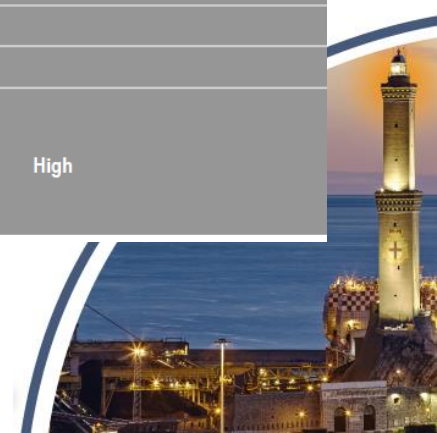
SHARES OF GLOBAL MIDDLE-CLASS CONSUMPTION, 2000-2050



Source: OECD.



Source: HSBC

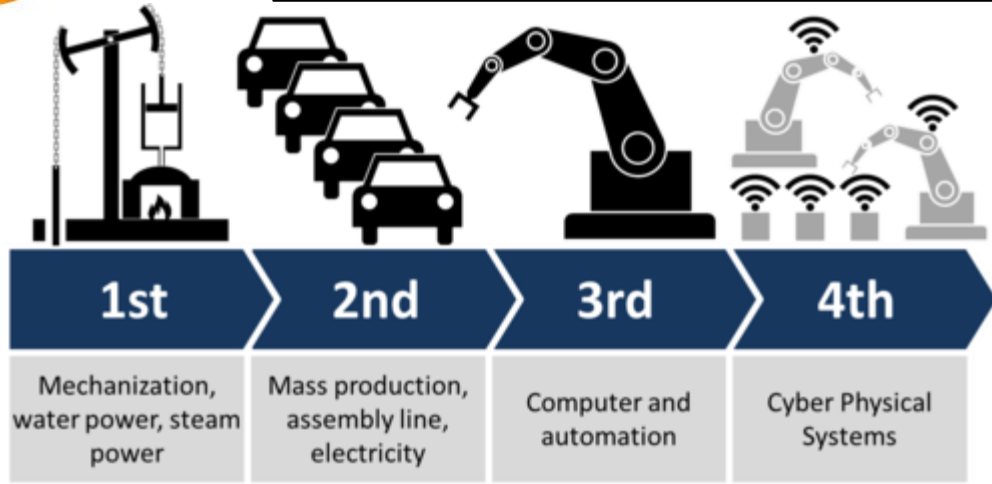




# How will this demand be met? More or less trade?



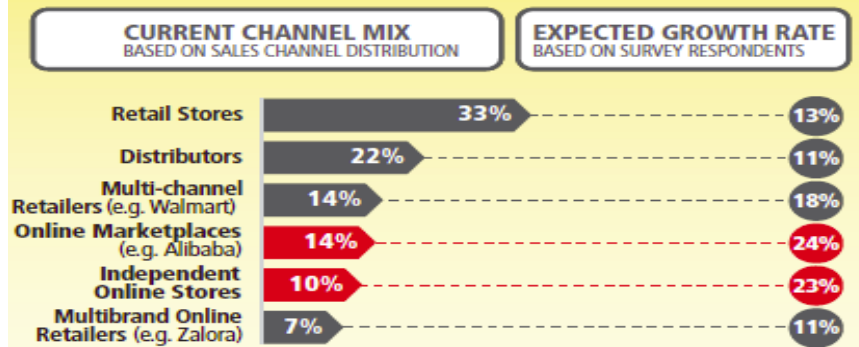
## Industry 4.0



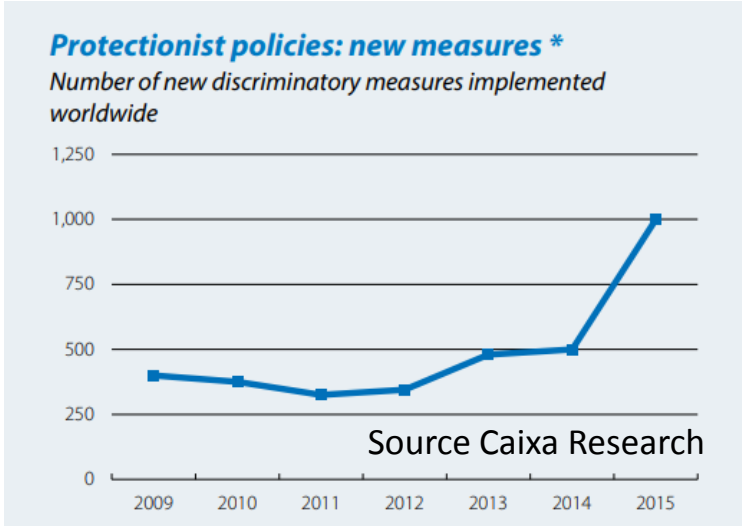
## Mega Connectivity Initiatives



## CHANGING CHANNEL MIX



(Source: DHL-IDC Manufacturing Insights Survey, 2015)



## Climate considerations: modal shifts



# Irrespectively, technology will increase supply chain efficiency and security

Autonomous container trucks serve in logistics parks. Drones delivery in tough terrains.

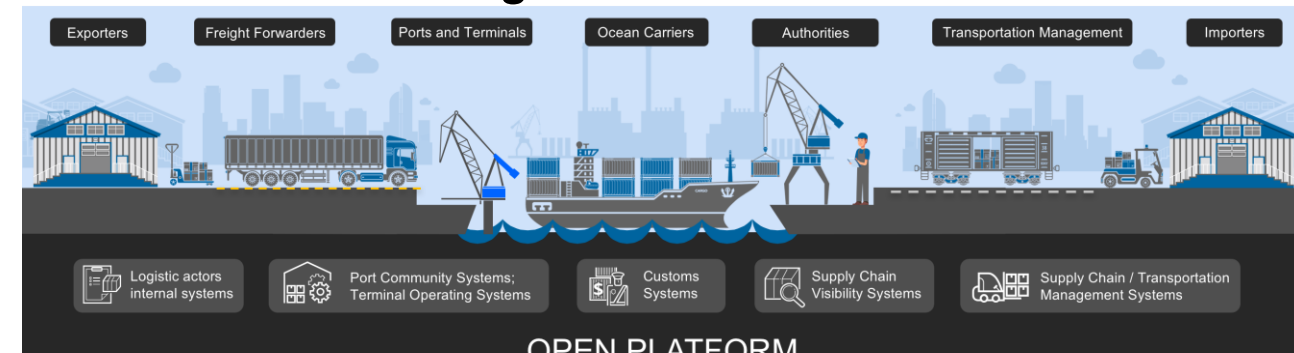


**Sharing Economy**  
Using various platforms, the Sharing Economy can match demand and supply at a fraction of the cost that confronts traditional brokers.

Connected autonomous truck fleets provide warehouse-to-warehouse transport.



## Maersk and IBM launches the first cross-border logistics solution on blockchain





Thank you!

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