



UNION EUROPÉENNE DES PRODUCTEURS DE GRANULATS  
EUROPÄISCHER GESTEINSVERBAND  
EUROPEAN AGGREGATES ASSOCIATION

**UEPG**

**The European Aggregates Association**

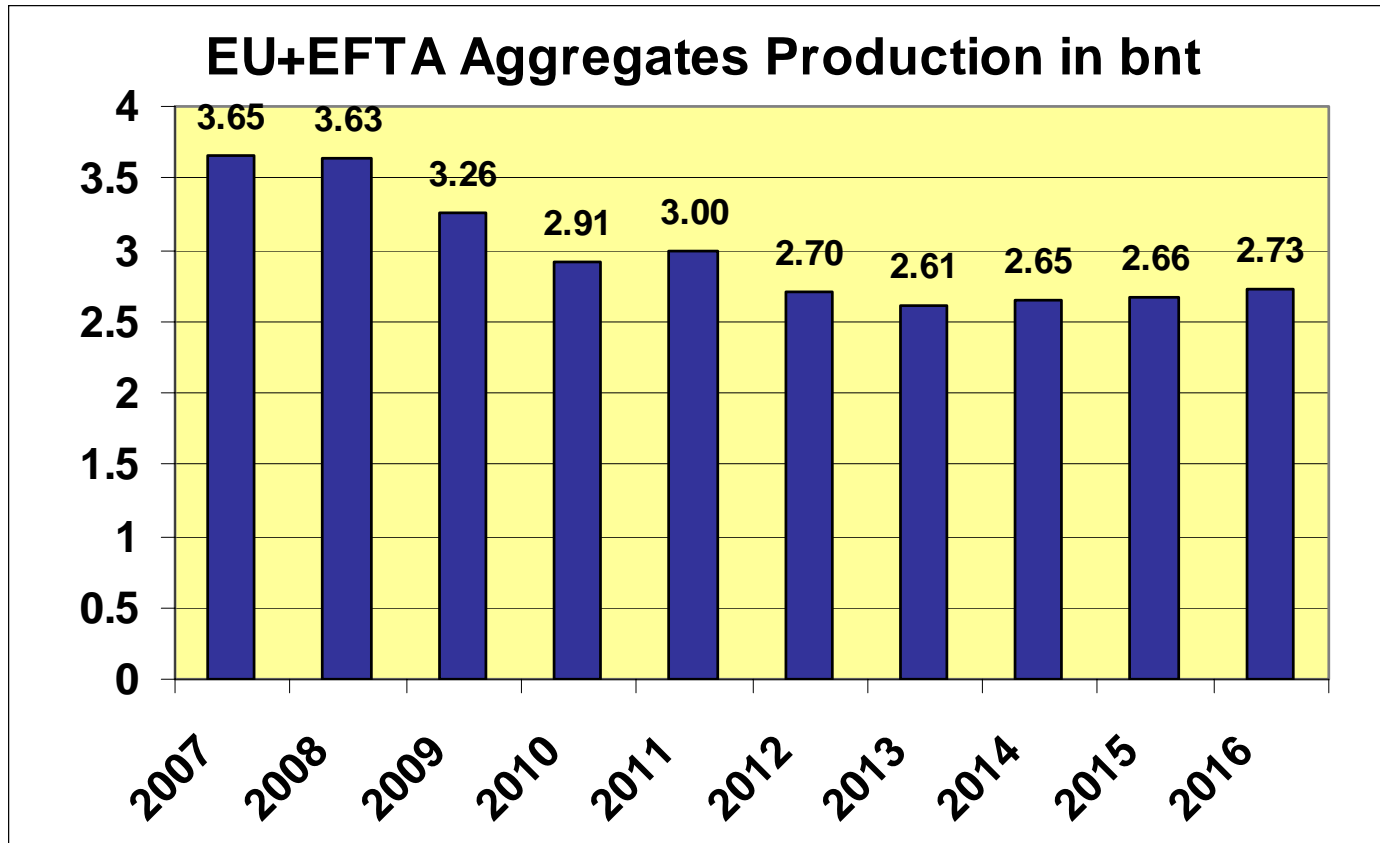
***Analysis of the  
2016 Economic SDIs,  
For Publication on the UEPG Website***

**Jim O'Brien, Honorary President**

**December 14, 2017**

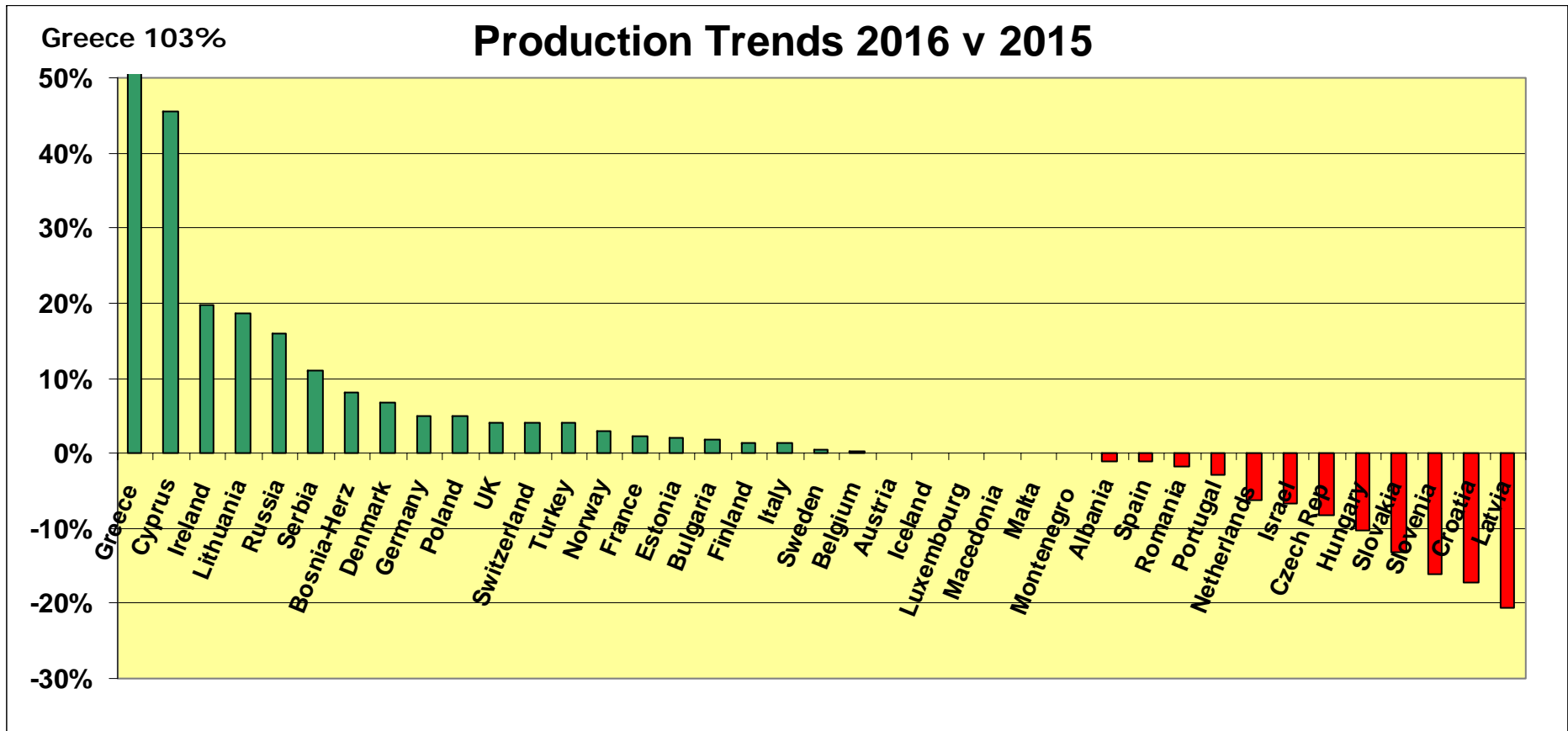


# The Good News!



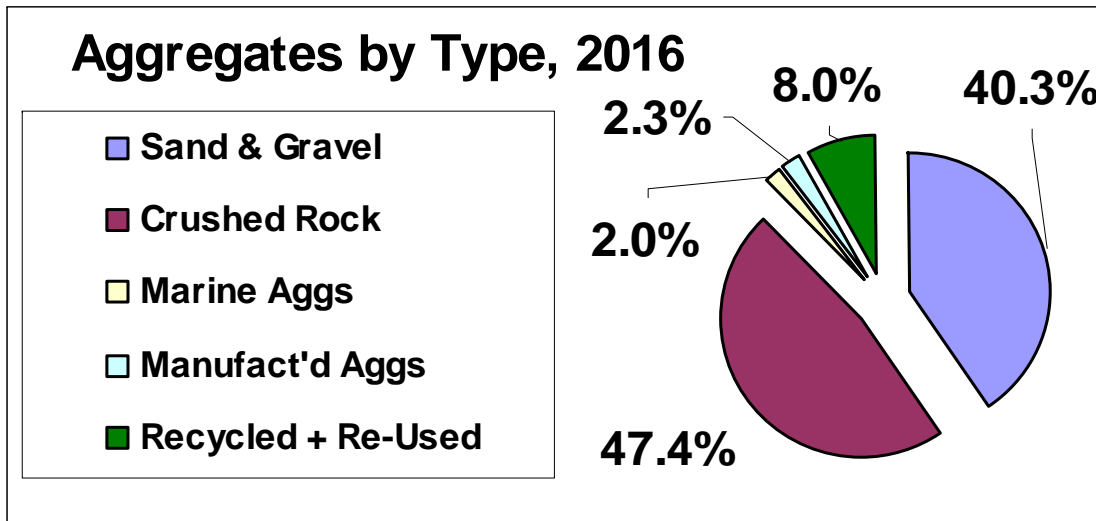
- EU+EFTA production for 2016 was 2.73bnt versus 2.66bnt in 2015
- This indicates an increase of 2.6% in 2016 compared to 2015
- Continues the very modest growth trend since 2013....

# Production Trends 2016 v 2015

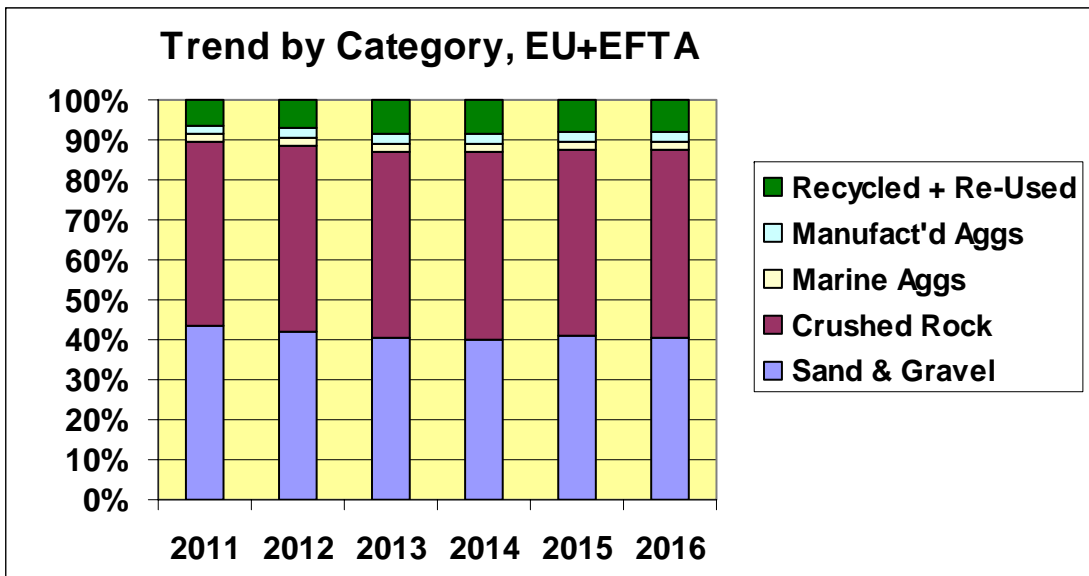


- The majority of countries saw welcome growth in 2016 versus 2015
- Greece grew by 103%, Cyprus by 45%, Ireland by 20%
- The weaker regions continued to be Iberia and Eastern Europe

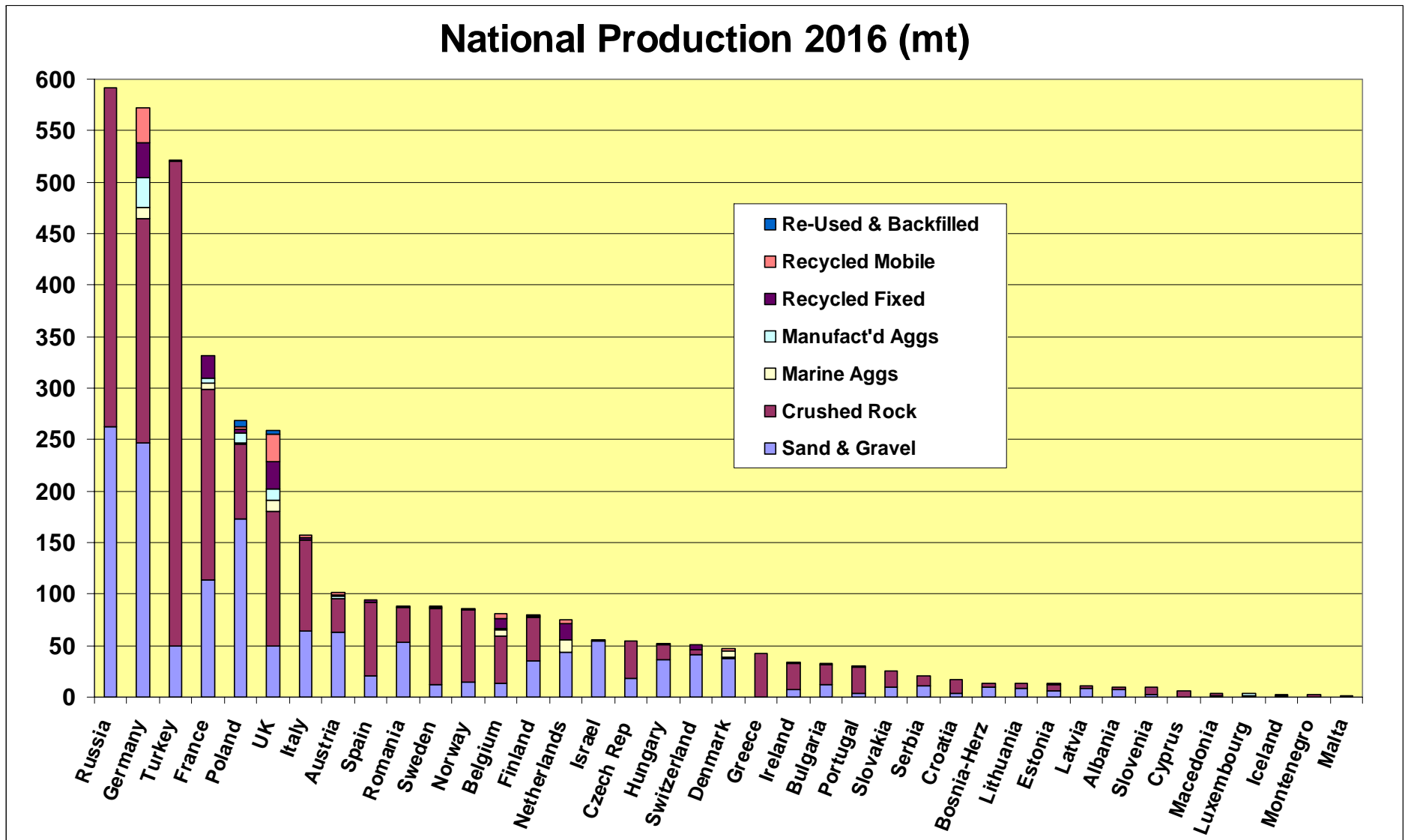
# Types of Aggregates & Trends



- 2016 saw a further slight decline in S&G to 40.3%
- Crushed Stone increased slightly to 47.4%
- Manufactured Aggregates declined slightly to 2.3%
- Marine Aggregates remained at 2%
- Recycled & Re-used (Backfill) Aggregates remained at 8%
- Total of secondary aggregates (recycled + manufactured) = 10.3%

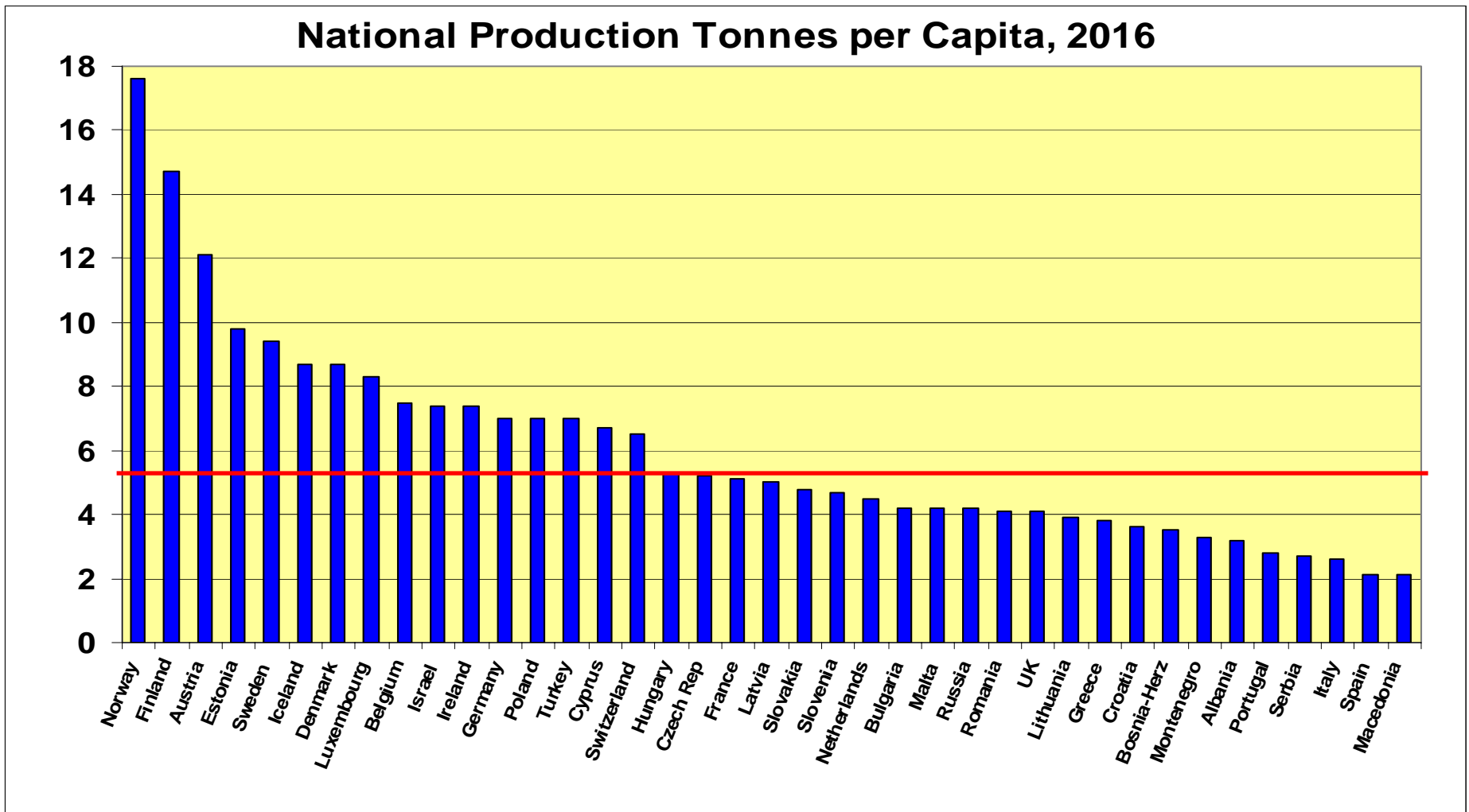


# National Production Breakdown



- Leaders: Russia, Germany, Turkey, France, Poland and UK

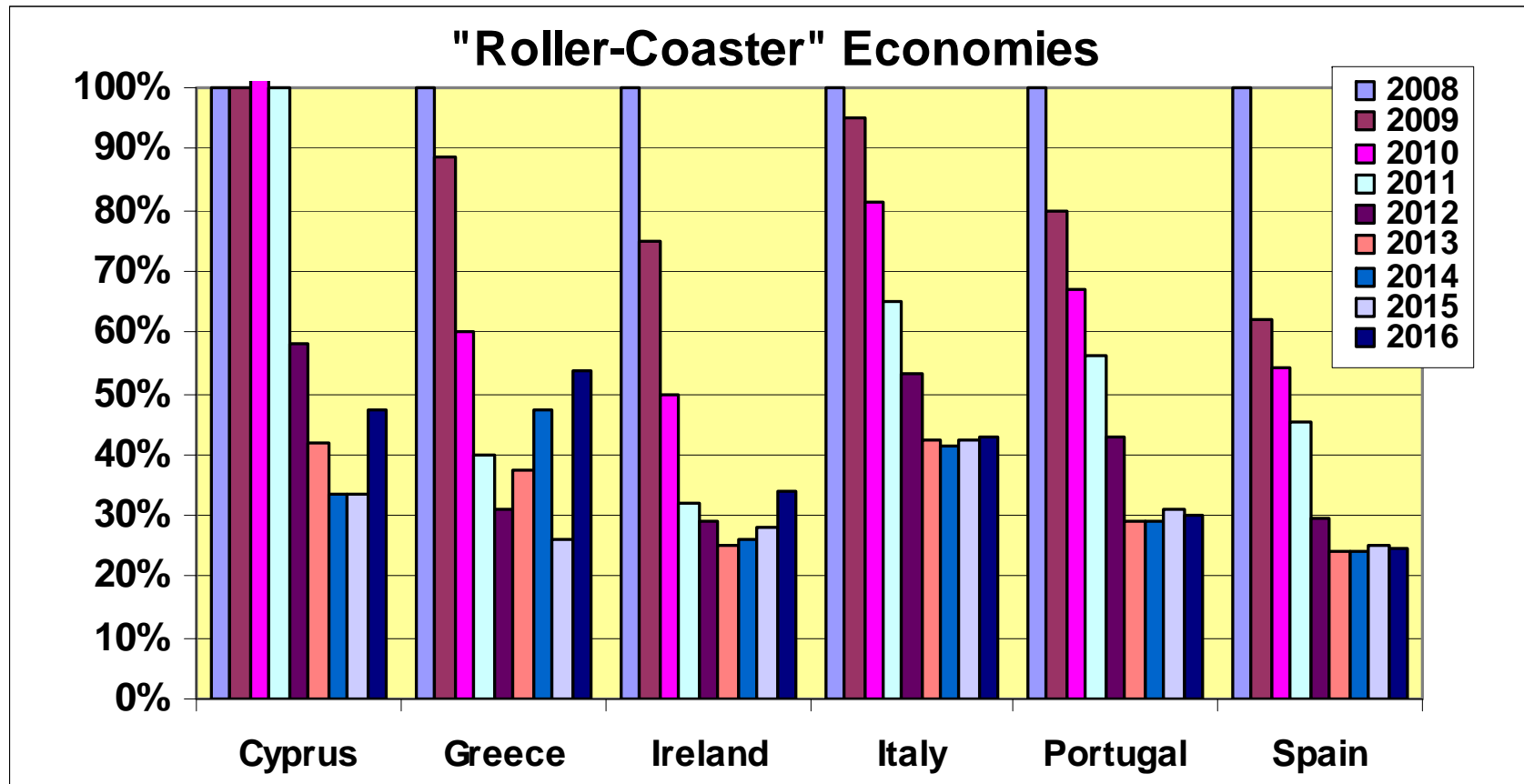
# National Tonnages per Capita



- For EU+EFTA, the 2016 average was 5.2t/c versus 7.2t/c in 2007
- Data for Portugal, Italy and Spain points to future infrastructural deficits



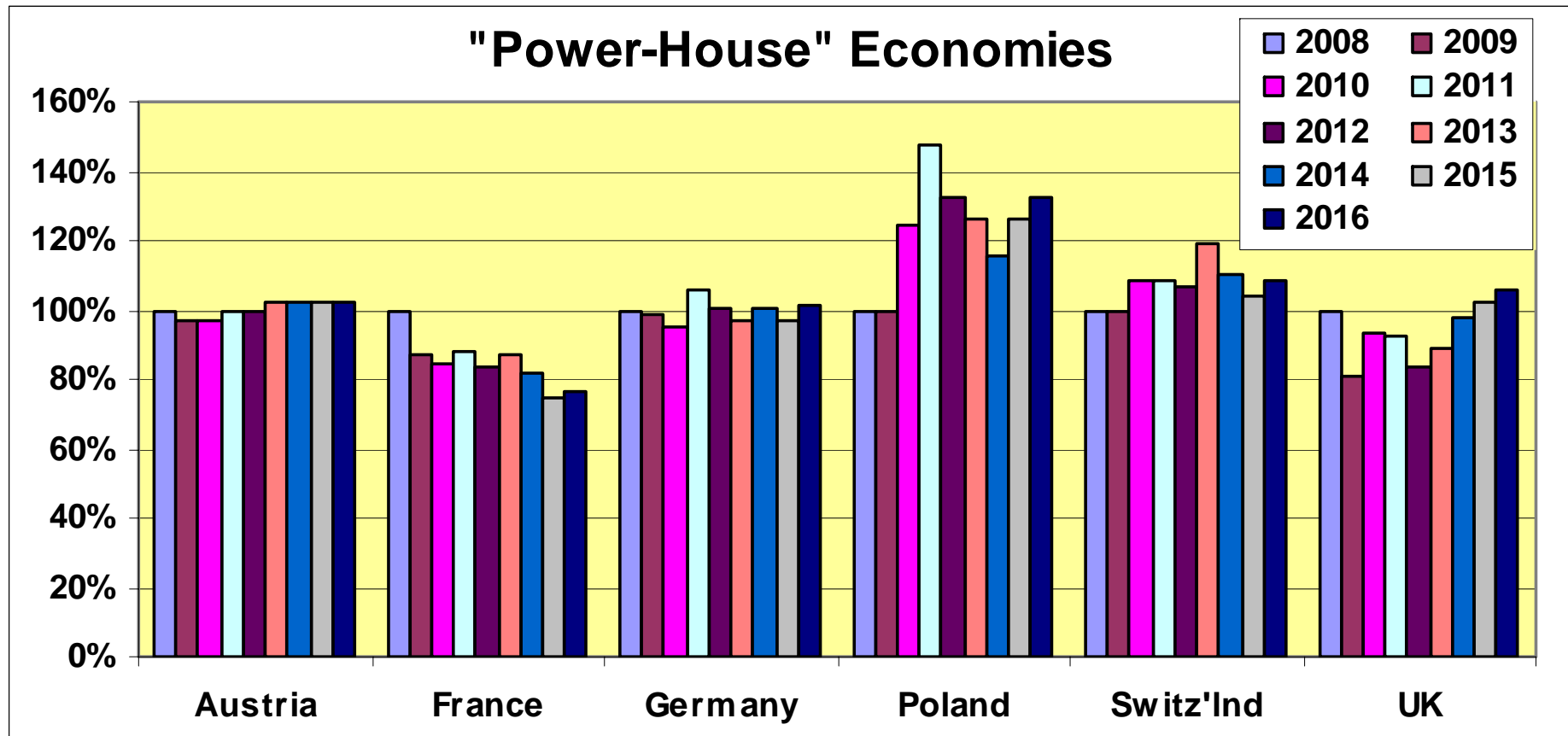
# Case Study - 1



- The six hardest-hit countries, where the 2008 production level is taken as 100%
- Between these six, 700mt of production was lost between 2008 and 2013!
- "The sun also rises again", but with varying economic recovery trajectories

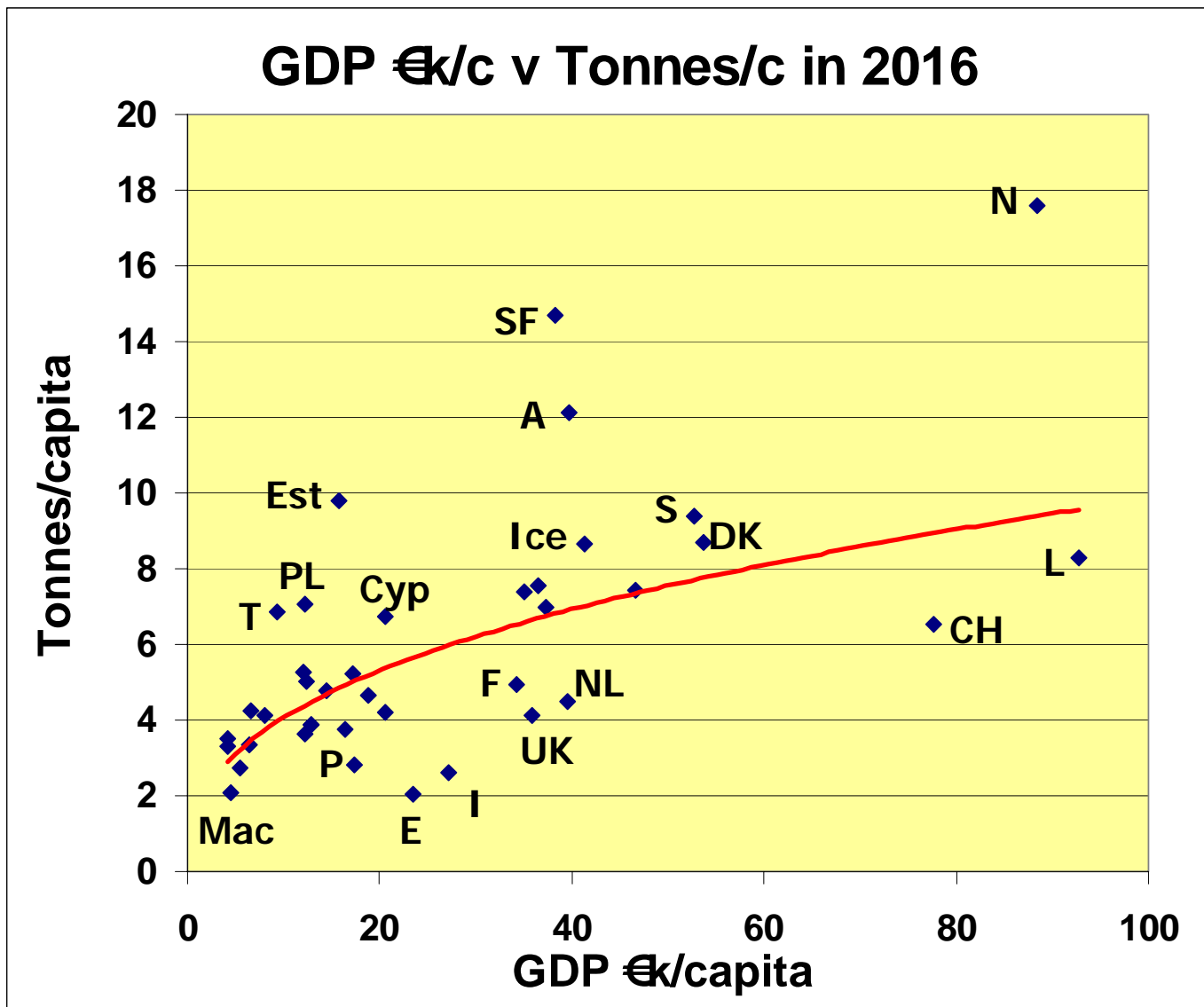


## Case Study - 2



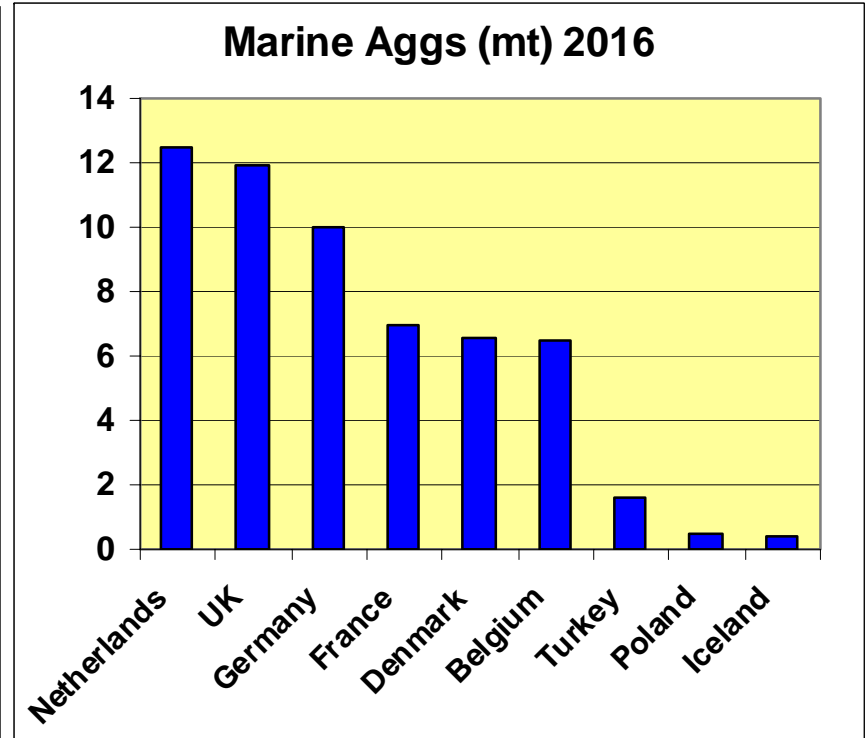
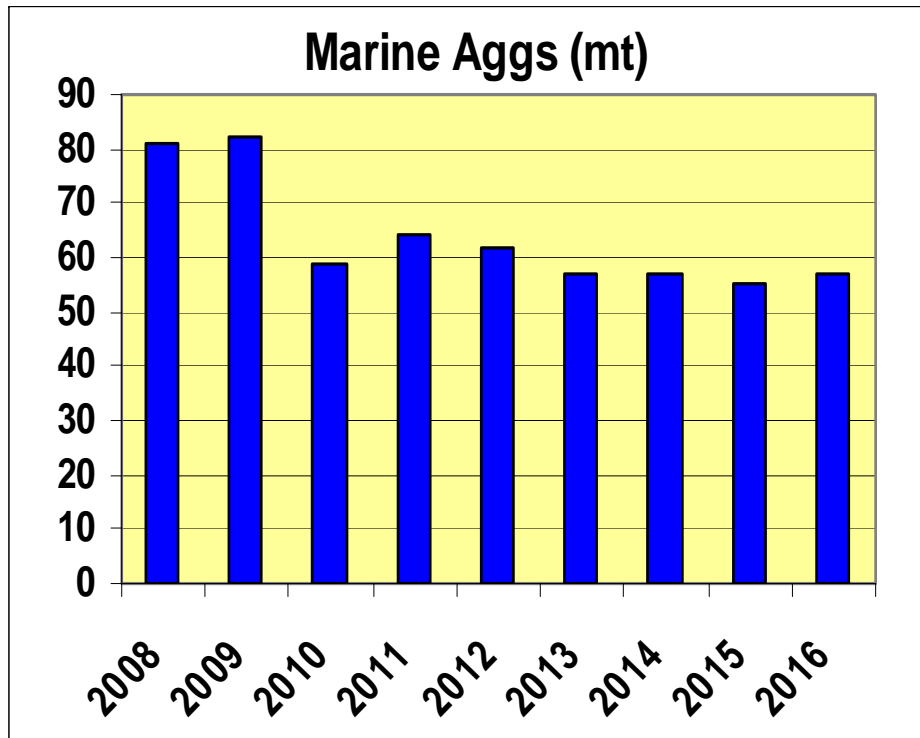
- Again taking the 2008 production level as 100% for these six countries.....
- The total production of these six has remained almost constant 2008 to 2016!
- Interesting to see the different national economic dynamics.....

# Impact of Economic Growth



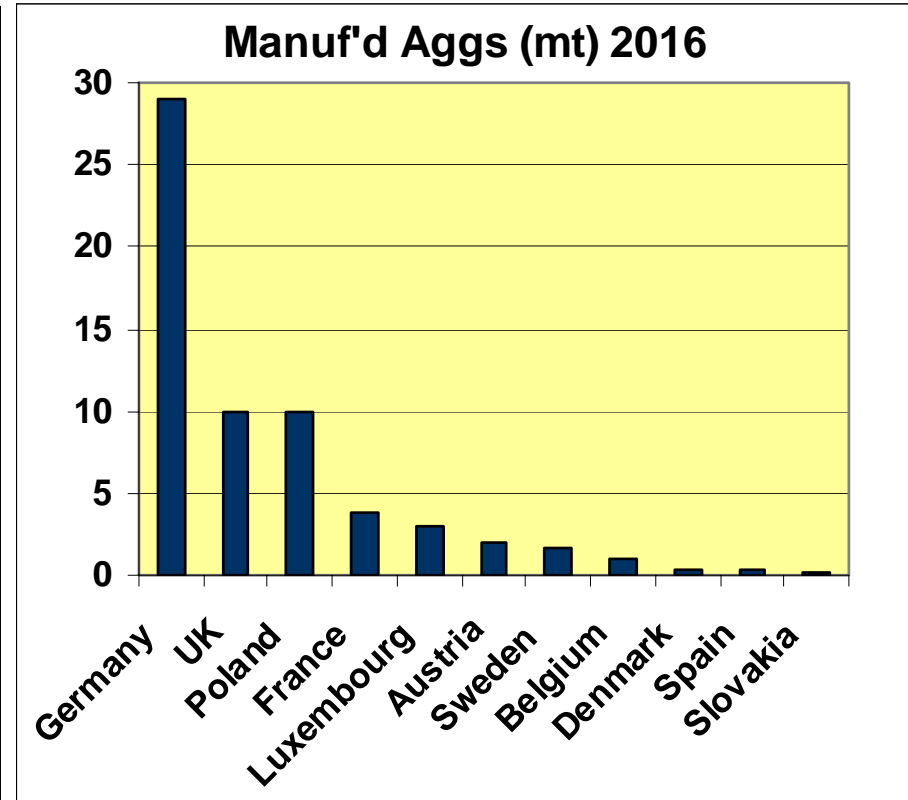
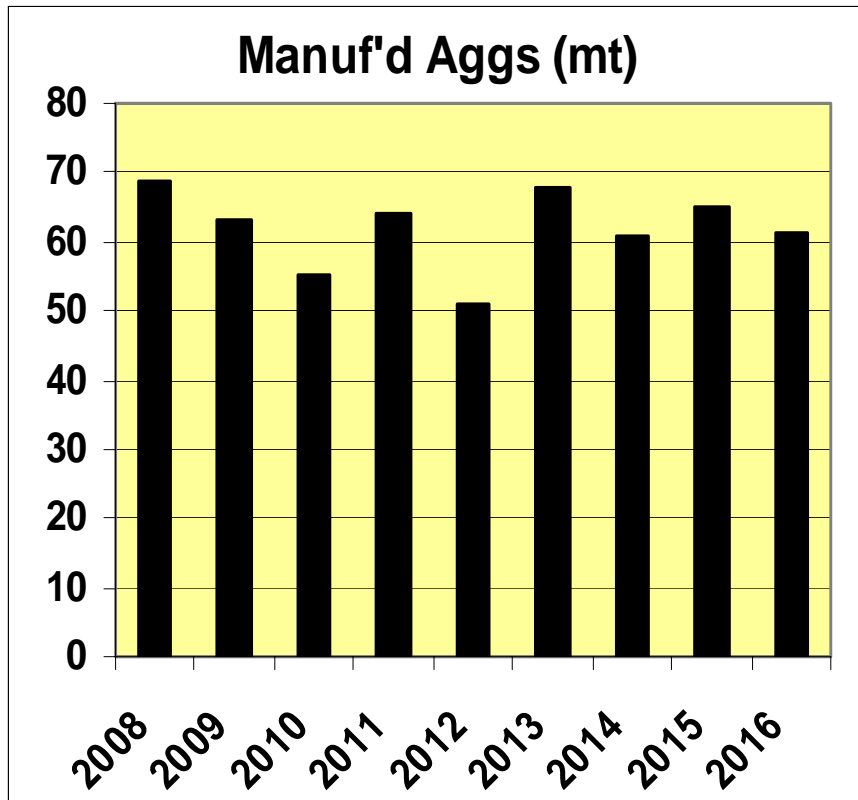
- 2016 data shows similar longer-term increase in tonnes/capita as GDP/capita increases
- Some sample countries are highlighted (Norway has a large export component)

# Marine Aggregates



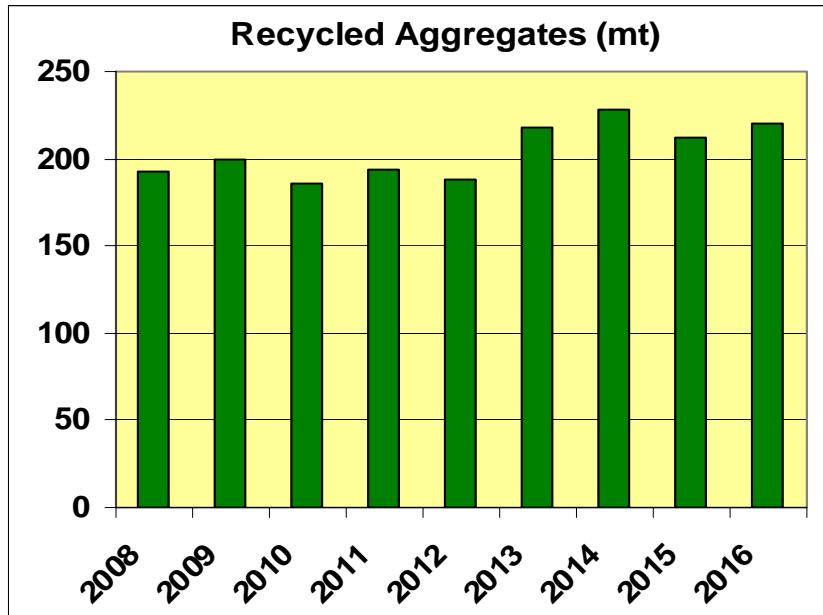
- Surprisingly, the production of Marine Aggregates, at 57mt in 2016, continues at a lower level compared to 82mt in 2009, down 30%!
- Nine countries produce Marine Aggregates, the largest being the Netherlands, followed closely by the UK and Germany
- Figures may exclude aggregates pumped directly onto beaches for reconstruction and so should be reviewed by the Marine Aggregates TF

# Manufactured Aggregates

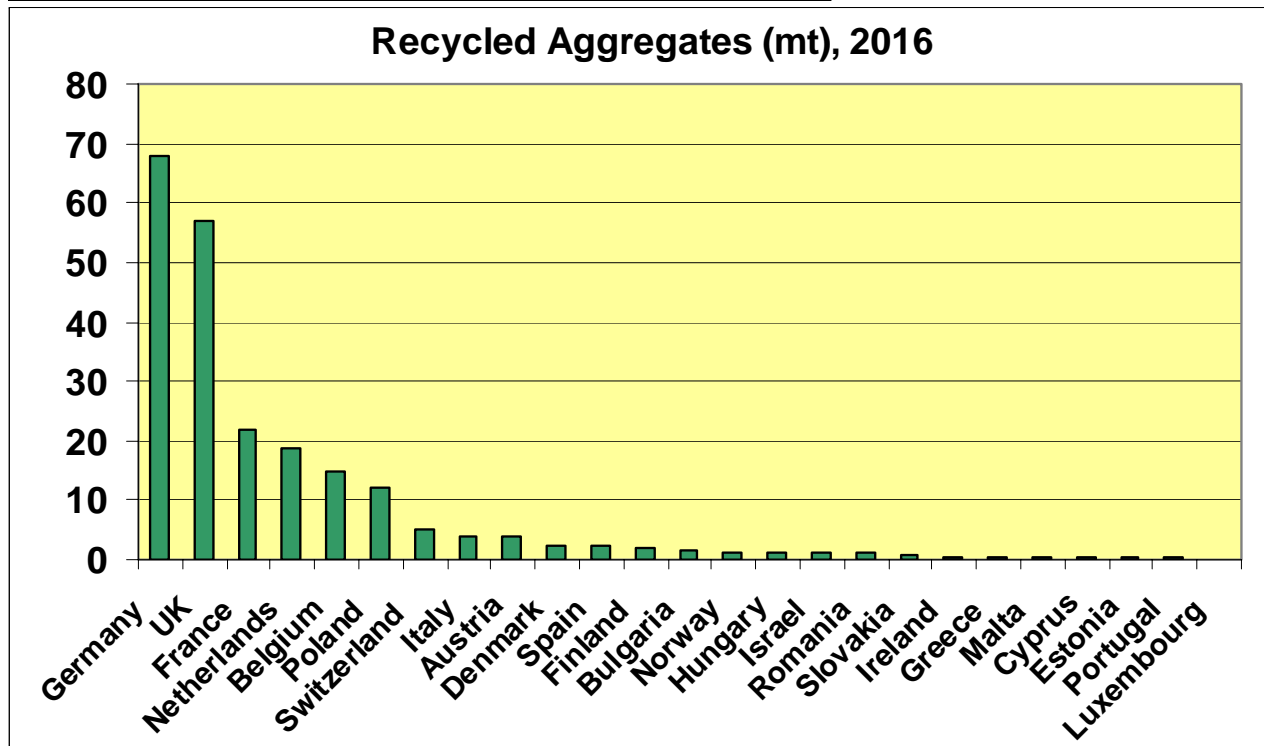


- Production of Manufactured Aggregates decreased to 61mt in 2016 and demonstrates an irregular trend
- Eleven countries produce Manufactured Aggregates, the largest being Germany, followed by UK and Poland

# Recycled Aggregates

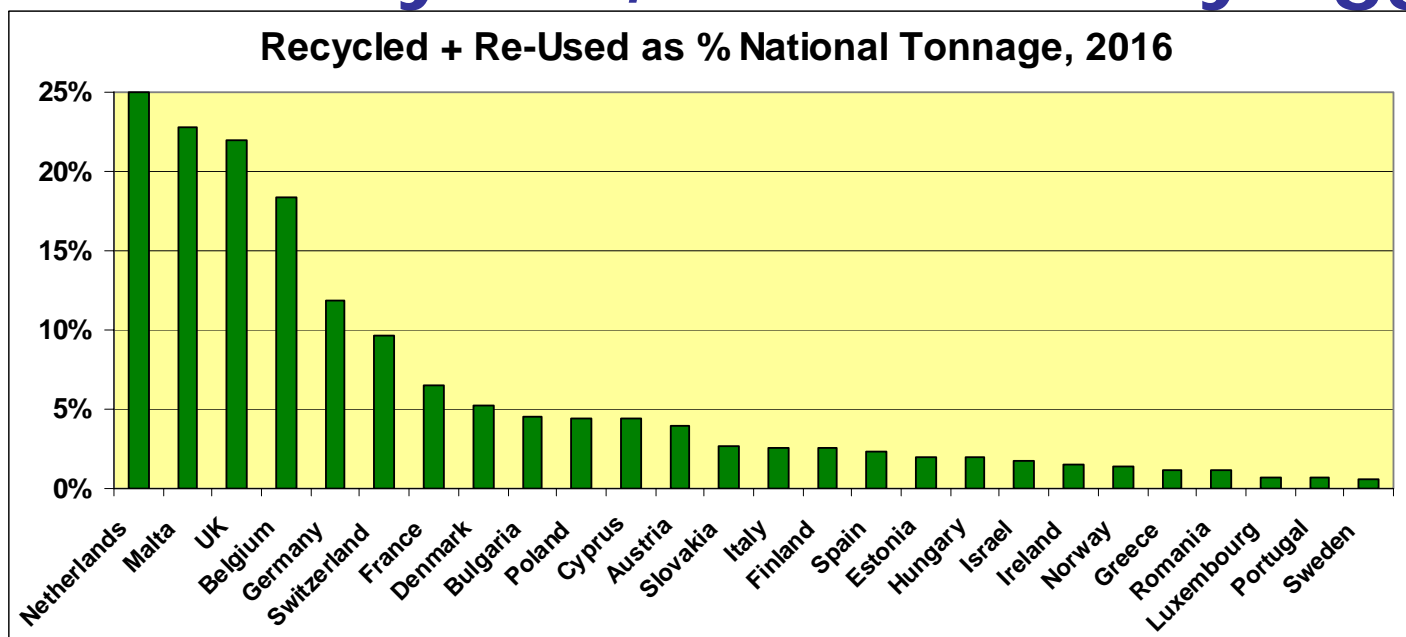


- Production of Recycled (including Reused Aggregates as backfill) increased on prior year to 220mt
- Represents 8% of the total output of 2.73bnt, relatively static in recent years
- Probably still significantly under-reported – get inputs from the EDA?

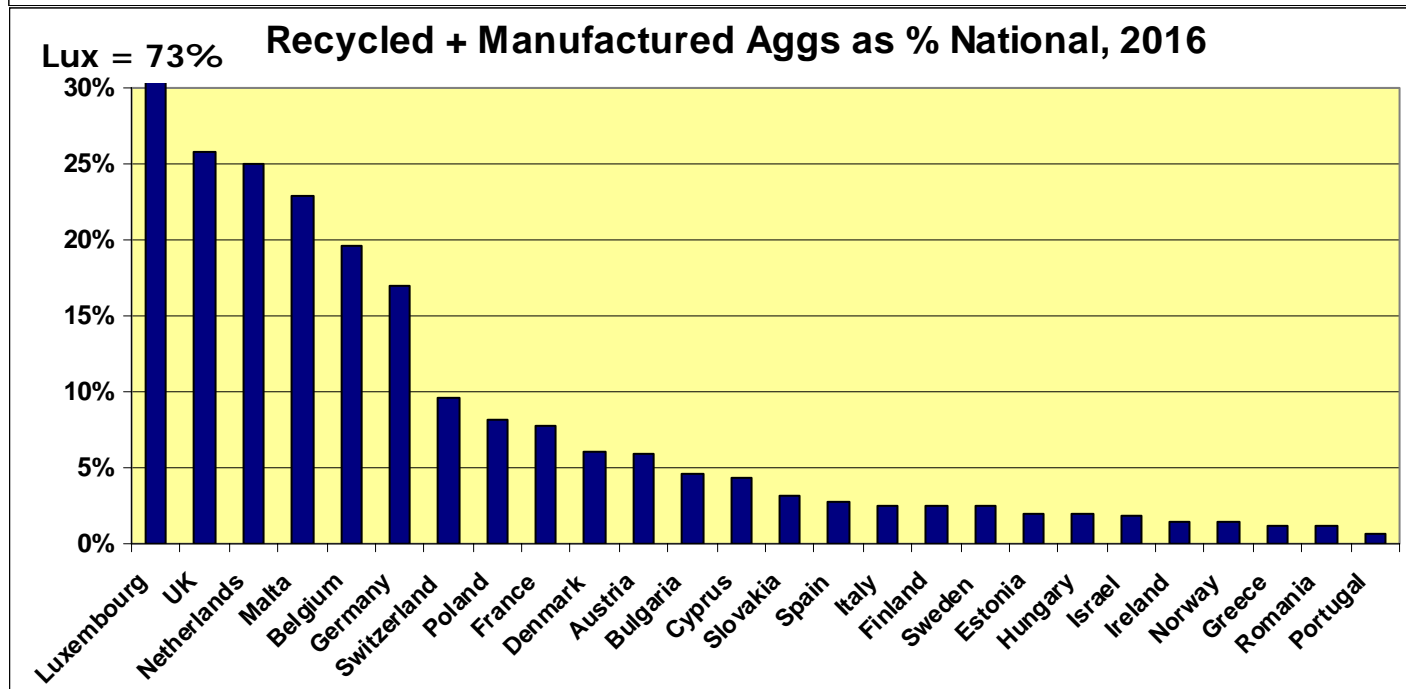


- Germany leads with 68mt of recycled materials, next UK at 57mt
- Over 40% total EU available C&D is recycled
- Seems that growth in recycling is constrained by over-regulation

# % Recycled, % Secondary Aggregates



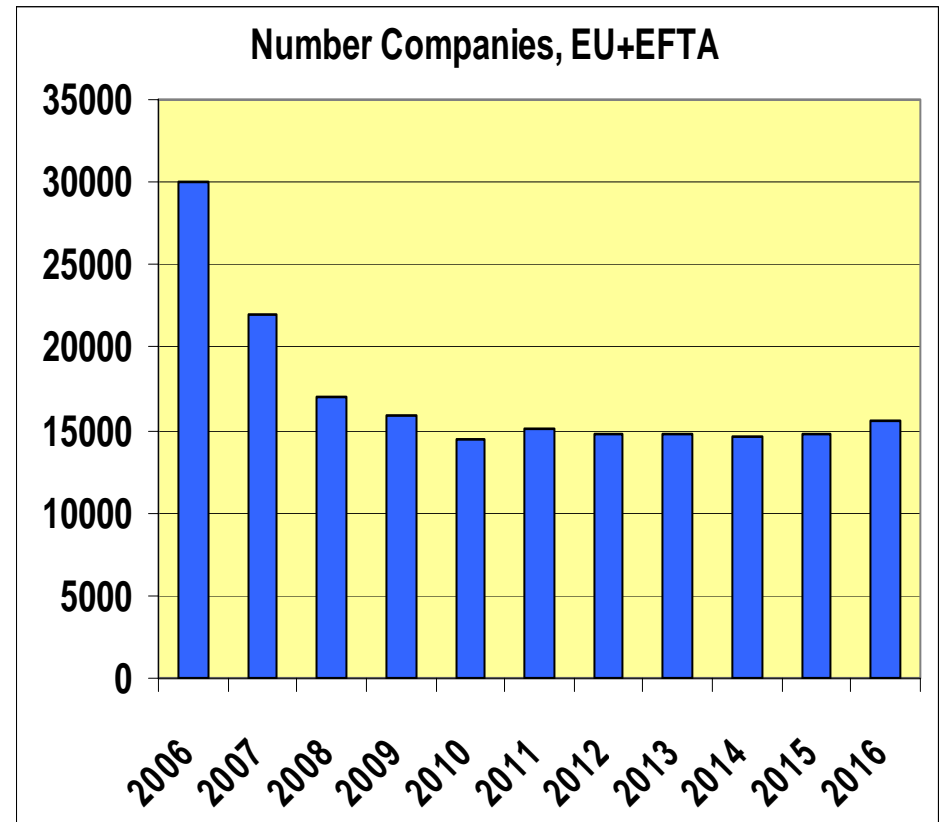
- Upper graph:
- Malta, Netherlands & UK have >20% recycled aggs



- Lower graph:
- Secondary = Recycled + Manufactured
- Luxembourg, UK, NL and Malta have >20%
- For EU+EFTA secondary of 281mt is 10.3% of total production of 2.73bnt

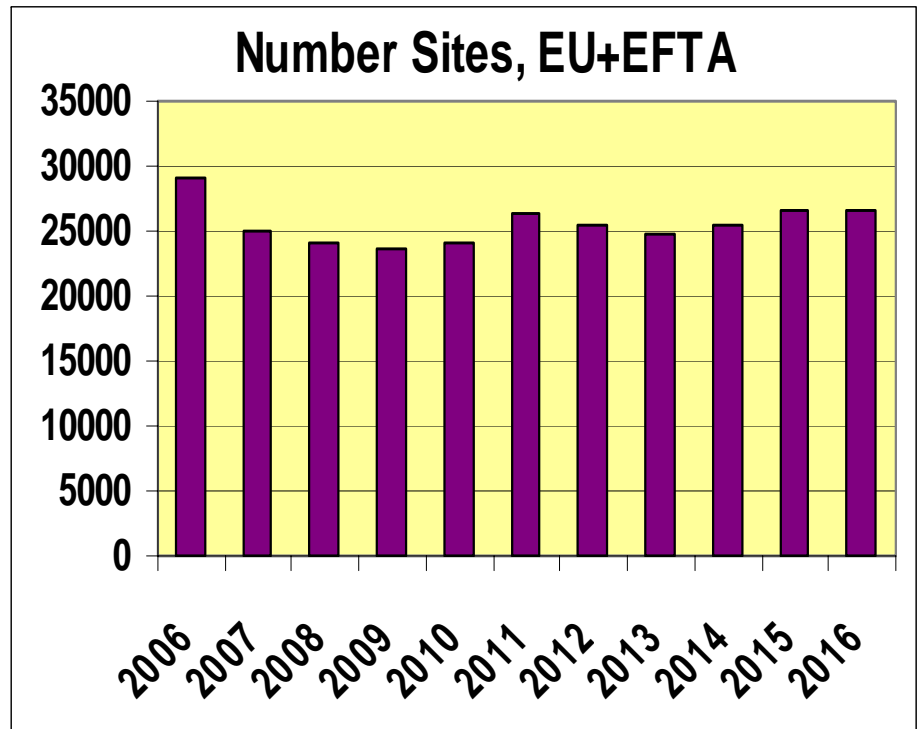
# Number of Companies

- In 2016 the number of EU+EFTA Companies rose slightly to 15,600
- Now stabilised after the industry consolidation since 2006; since then half of all companies have been closed or consolidated into bigger players
- On average each Company has 1.7 extraction sites, has 14 people employed and produces 175k tonnes of aggregates
- These figures illustrate the predominance of SMEs in the industry



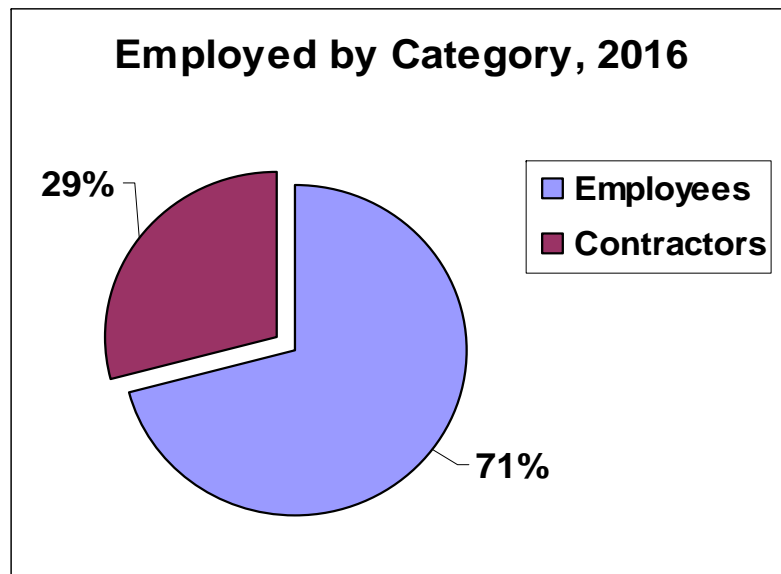
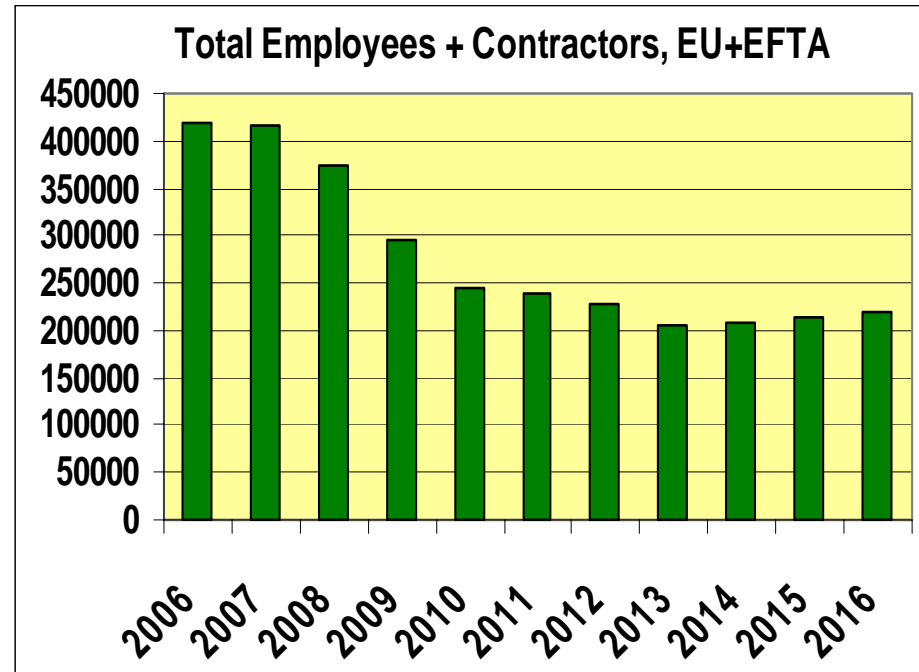
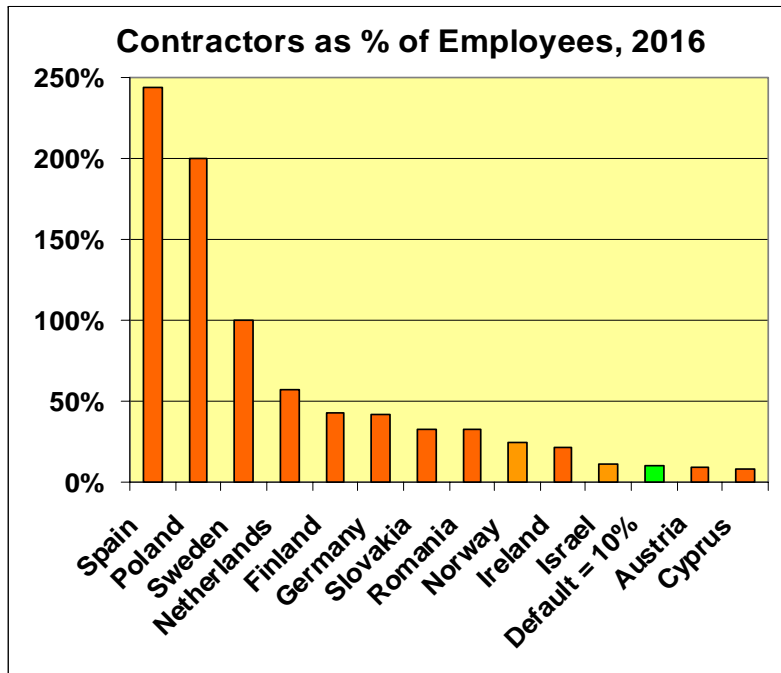
# Number of Sites

- The number of extraction sites in EU+EFTA in 2016 increased slightly to 26,600
- This has been relatively constant since 2007, indicating sites are kept “alive” even during the economic downturn (probably to preserve permits)
- On average in EU+EFTA, each company owned only 1.7 sites
- Each extraction site produced 102kt of aggregates with just 8.3 people employed
- These figures again illustrate the predominance of SMEs



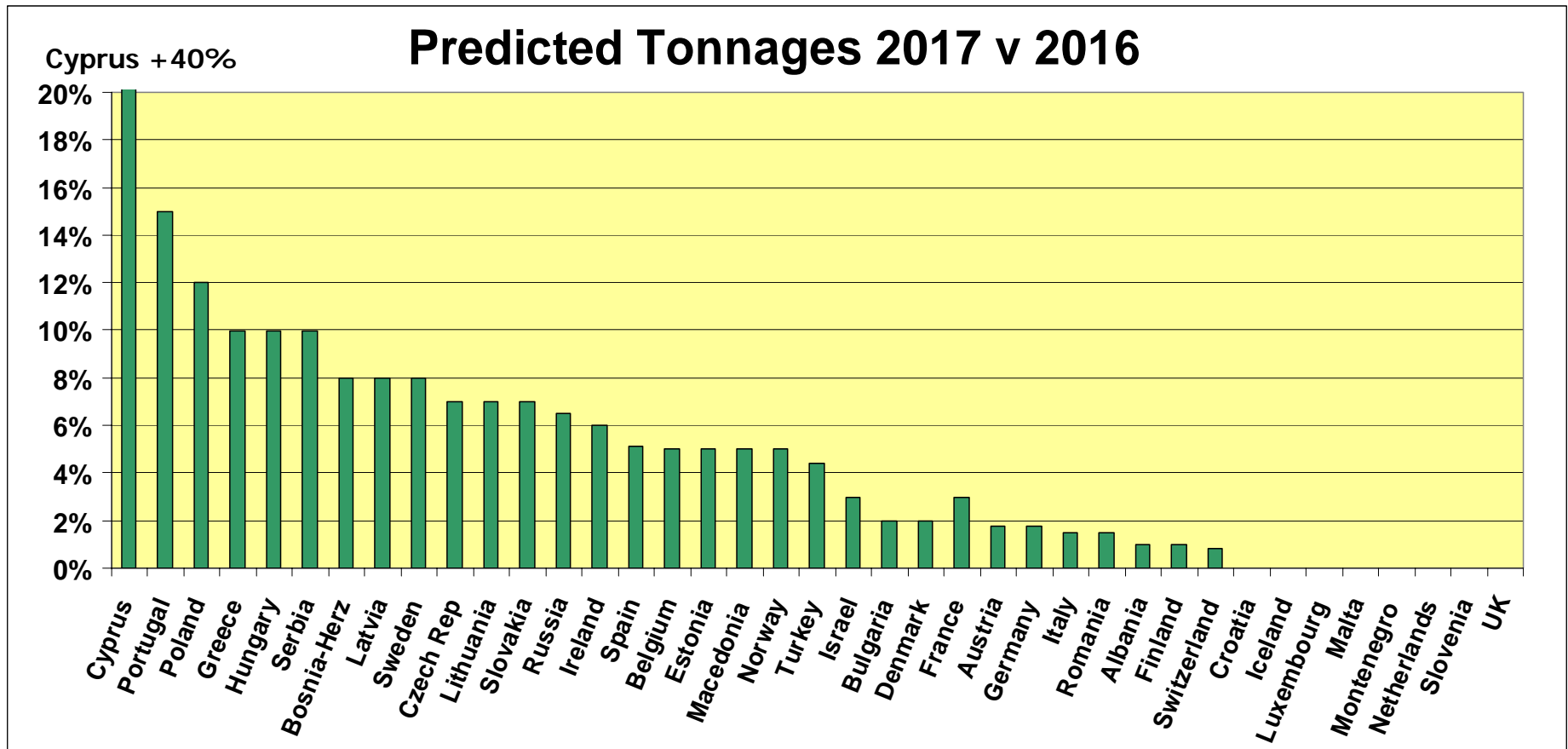


# Numbers Employed



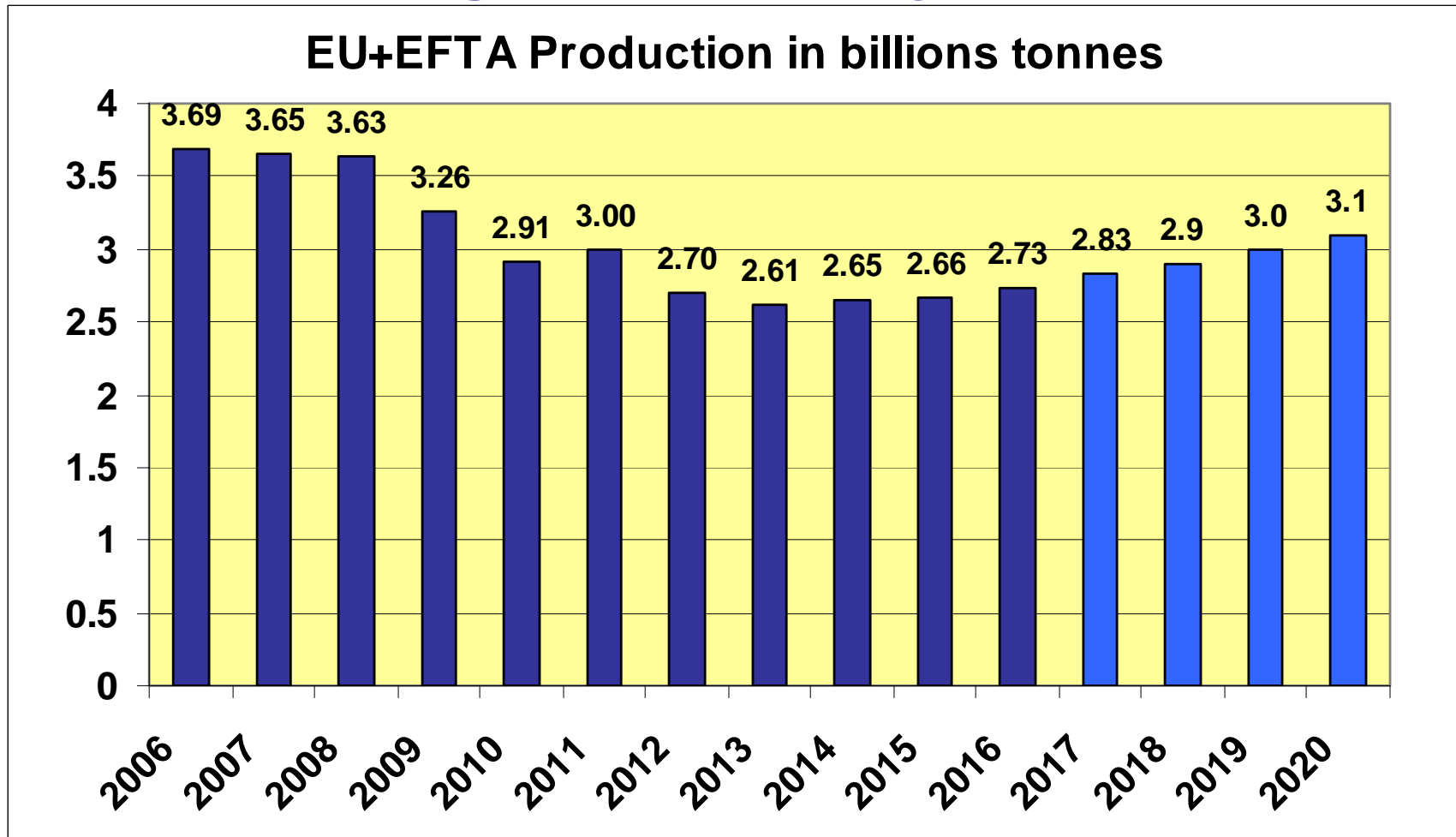
- Total EU+EFTA Employed (calculated as Employees + Contractors) in 2016 was just over 220,000
- Contractor % varied by country; overall 71% (~155k) were direct employees, 29% (~65k) contractors
- Average productivity across EU+EFTA was 12,380 tonnes per year per person employed

# And now, the really good news!



- For the first time in a decade every one of the 39 countries is predicting a zero or positive increase in production in 2017!
- Overall a 3.9% growth on 2016 is predicted indicating an EU28+EFTA total tonnage of just on 2.83bnt in 2017!

# Looking into the Crystal-Ball...



- If growth can be maintained EU+EFTA could reach 3bnt by 2019
- Essentially making up for the decade lost due to the financial crisis...



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***Thanks to All for  
Sharing their Data!***

**Jim O'Brien, Honorary President**

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