





WP2 – ECONOMIC PERFORMANCE AND PRICES PAUL STEINAR VALLE KONTALI ANALYSE AS

Annual meeting, Vilanova, 2017

A reminder; Europe in a global perspective – EU versus Non-EU









Seafood Export/Import Imbalance and Self-Sufficiency



The EU Fish Market – 2016, EUMOFA

FAO-data







The seafood markets Volume & Price = Value



SeaBass and SeaBream sector – a relevant example?







Some key observations...

- Low ex EU import prices challenge the profitability of European (EU) B&B sector (Turkish export prices being ~ 20 %) below Greek
- **•** Forcing the European closer to their producing costs
- The innovative (future) developments i.e. sectors ability to meet the future consumer demands and/or emerging markets in Europe ...?
- Processed products fillets and added value products are <u>currently</u> not found profitable within EU with the current raw material (whole fish) price/cost AND labour cost.
- WHILE extra EU competitors (Turkey) do!
- **The situation is a challenge for the competing strategies for European B&B sector both**
 - in short perspective and
 - in the long run....?
- However, is B&B unique i.e. an odd case or representative also for other seafood sectors?







Economic performance

Historical and Future price (and volume) perspectives



Seafood price studies & Boom and Bust

Boom and Bust

- Identification of price systematics through structural time series models (the Kalman filter) (uninformed modelling)
- **Decompose a time series into elementary components:**
 - Trend
 - Seasonality
 - Cycle
 - Irregular component (unexplained price changes)





- The trend analysis and the cycles are based on the factorization of the phenomenon observed in various components (e.g. price level, increasing or decreasing long term trend, seasonality -fluctuations within the year which tend to repeat, cyclical -deviation from long-term trends-, and irregular component exceptional events - outliers).
- The Graph reporting Forecast include a Confidence charts. User can choose what type of confidence level based on risk aversion. The range of the confidence help the user to understand the precision of the prediction.
- For every chart and table, showing the decompositon of time series, a short comment has been reported by the authors. However, the chart itself should be quite explanatory of the price trend in the observed period.
- The items Slope, Seasonal, Cycle and Irregular yield have values in the interval [0,1]. The unit of the item Period refers to month.





Market, Market levels and Species

Investigations												
	canada	iceland	norway	spain	uk	denmark	faroe	germany	italy	turkey	greece	vietnam
Cod	na	е	f	r	f r							
Herring		е	f		f	f	na	fr				
Salmon			е		r		na					
				f w					na ⁽²			
Trout				r ⁽¹⁾	fr	fr)	na		
Seabas												
S				r					f r ⁽²⁾		na	
Seabrea												
m				f w r ⁽¹					f r ⁽²⁾		na	
Pangasi												
usCaption: f = first sale, w = wholesale, r = retail, i = import, e=export, na=not availa												

2020

Programme



Denmark first sale trout: an excellent case



Denmark first sale trout market shows a growing trend along all period in which prices increase by about 2€. Data shows a good regularity in seasonality with the lowest price in november/december.

The amplitude of cycle is about 12 months.

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	01/10/07	01/0)1/08	Bust	ectea
	01/03/09	01/0)8/09	Boom	
	01/09/10	01/0	01/11	Bust	
	01/03/12	01/0)8/12	Boom	
	01/09/13	01/0)1/14	Bust	
	01/03/15	01/0)8/15	Boom	
	01/09/16	01/1	2/16	Bust	

Horizon 2020

Programme



Denmark first sale trout: an excellent case



Forecast for Denmark first sale trout market shows stationary prices till July a decreasing trend till november then a new growth of prices.





Boom and Bust

- Time-series price models extrapolating the history
 - Versus
- Explanatory models explaining the future prices
 - i.e. based on expected production, exhange rates
- **Future harvest estimations**
 - Currently model for salmon production (Kontali)
 - Simple estimation (expert inputs) for seabass and seabram) (Kontali)













WHAT'S IMPORTANT FOR STRENGTHENING THE SEAFOOD SECTOR...?

Stakeholder day, April 6th, 2017

