

Survey & Diagnosis of fish diseases in 2015

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Survey & Diagnosis of listed fish diseases in the European Community 2015

An Annual questionnairenow reduced and changed:



- 1. General data: Number of farms and categorization only
- 2. Epidemiological data: Only number of outbreaks and increase/decrease in number of infected/severity
- Laboratory data, NRL and regional laboratories: Only total number samples tested and samples tested positive for each disease

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General production data taken from "European aquaculture production report 2005-2014" (FIGIS data)



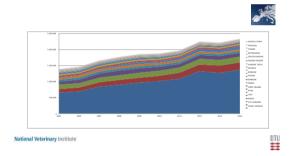
Prepared by the FEAP secretariat August 2015

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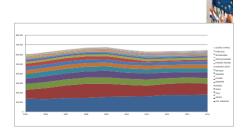
Contact Marlene Dehasque (marleen@feap.info)



Development of Fish Farming in Europe (tons) 2005-2014



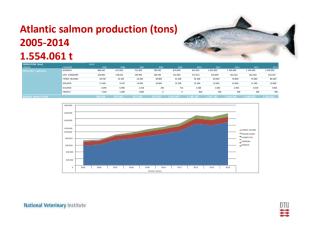
Development of Fish Farming in the European Union (tons) 2005-2014

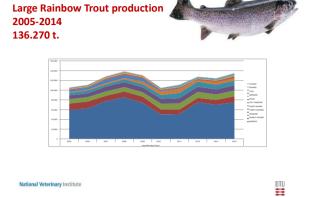


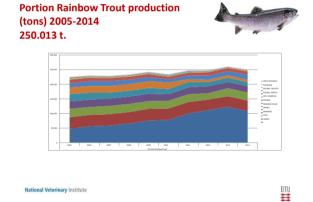
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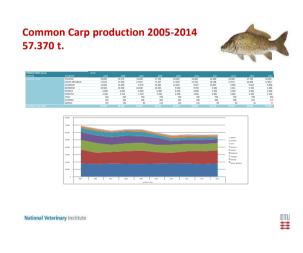
Development of Fish Farming in non EU countries (tons) 2005-2014

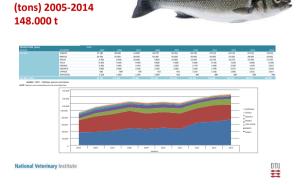




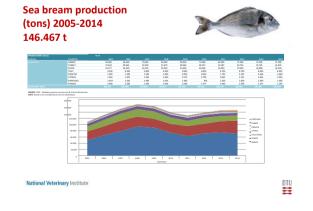




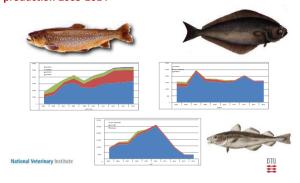




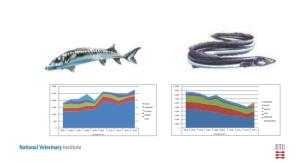
Sea bass production



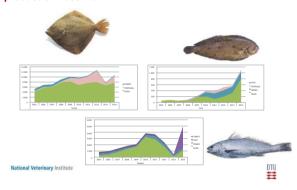
Arctic Char (5.496 t), Halibut (1.600 t) and Cod (3.310 t) production 2005-2014

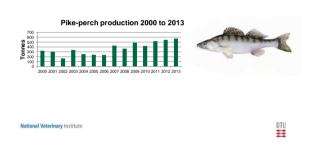


Sturgeon (2.795 t) & Eel production (6.507 tons) 2005-2014



Turbot (10.787 t.), sole (1.107 t.) & meagre (5.021 t) production 2005-2014

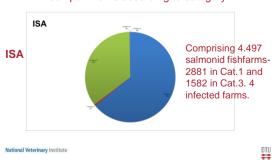




Distribution of farms in zones and compartments according to category



Distribution of farms in zones and compartments according to category



Distribution of farms in zones and compartments according to category

Comprising 12.130 cyprinid fishfarms-11.725 in Cat.III and only 140 in cat.1.

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KHV



VHS in Europe 2015

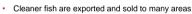
- a moderate increase in the number of VHS infected farms in Austria, Belgium, Bavaria, Rhineland-Palatina, Saxony, and Thuringia,
- · a decrease was observed in Czech Republic
- · Outbreak in pike (Esox lucius) in Austria
- · No other reports



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VHSV in Lumpfish in Iceland

- October 2015
- OIE notification
- · Wild caught broodstock
- Progeny
- Genotype IV



- Risk for the salmon industry?
- Risk for the rainbow trout industry?

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IHN in Europe 2015

- Increase in number of infected farms and severity in Italy
- Increase in Bavaria, and Baden-Württemberg.
- Decrease in impact of IHN was observed in Baden-Württemberg.



DTU

ISA in Europe 2015

- In Norway increase in number of ISA affected farms.
- ISA was not seen outside Norway in 2015.
- · Isavirus HPR0 no longer listed



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KHV in Europe 2015

- · In Germany increases in number of infected farms in Bavaria, Lower Saxony, Rhineland-Palatina, and Saxony-Anhaltinia
- Decrease inSaxonv.
- No other information on KHV in Europe were given



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Other fish diseases problems in Europe



In rainbow trout: RTFS, ERM, and IPN but also, lactococcosis, BKD, PKD, ichthyophtariasis. In Atlantic salmon: sea lice, PD, HSMI, CMS, AGD, and moritella (cold water disease).



In cleaner fish it is primarily vibriosis and A. salmonicida



- In seabass and seabream it is primarily VER. Photobacteriosis, and Vibriosis.
- No information on carp

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Other specific findings and fish diseases problems in Europe



- IPN in Finland: detected in 25 fish farms. Mortalities were observed in a few cases
- PRV in France: 1 outbreak of Piscine Reovirus in a Salmo trutta farm. High mortality. High homology (98%) with PRV-Om from Norway
- VNN in France: wild grouper and farmed sea bass in Corsica
- PFRV Pike fry rhabdovirus in farmed pike fry for the first time in Denmark

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Other specific findings and fish diseases problems in Europe England and Wales



- Two skin diseases of unknown aetiology, red mark syndrome (RMS) and puffy skin disease (PSD).
- emerged in the past 10 years
- cause low mortality
- considerable economic importance
- RMS reported in 41 % and PSD in 37% of rainbow trout farms.
- RMS can spontaneously resolve in older fish, but PSD tends to be more persistent



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Conclusion on S&D 2015

- · Stable production in EU
- Increased production in non-EU MS.
- Regain after decrease in 2013
- VHS increased number of affected farms
- · VHS in lumpfish
- · Severe VHS outbreaks in Iran
- No clinical VHS in Finland in the last 3 vears!
- · Several ISA outbreaks in Norway
- · Skin distress a major problem in RT production

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Report on S&D

- This year, a complete report was produced and sent as pdf to all participants beforehand.
- The report and this presentation can be retreived from our web

WWW.EURL-Fish.EU

In "Surveillance and diagnosis' National Veterinary In

Diseases in Europe 2015

Report on Survey and Diagnosis of Fish



Thank you for all the significant work, efforts and time used for compiling these data!!

Thank you for your attention!

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