



# European Union Reference Laboratory for Fish and Crustacean Diseases

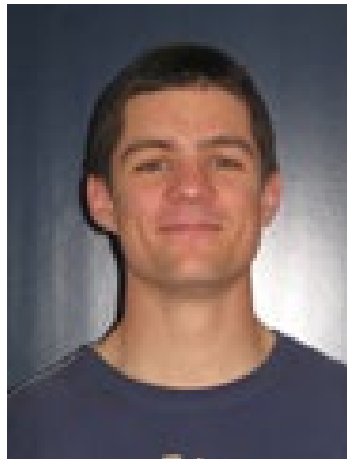
NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK

## EURL-Crustacean diseases work done in 2019/20





Niels Jørgen  
Olesen



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Vendramin



Argelia Cuenca



Tine Iburg



Lone Madsen



**Morten Schiøtt**  
**Senior scientist**  
**and Coordinator**



Teena Klinge

# 1-1 Organise and prepare for the 10<sup>th</sup> Annual Workshop



European Union Reference Laboratory for Fish and Crustacean Diseases  
NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK

Report of the  
10<sup>th</sup> Annual Workshop of the National Reference  
Laboratories for Crustacean Diseases

Kgs. Lyngby, Denmark  
May 29<sup>th</sup> 2019



Sampling pleopods of *P. vannamei*



*P. vannamei* in experimental tank facility

Organized by the European Union Reference Laboratory for Fish and Crustacean Diseases,  
National Institute of Aquatic Resources, Technical University of Denmark, Kgs. Lyngby

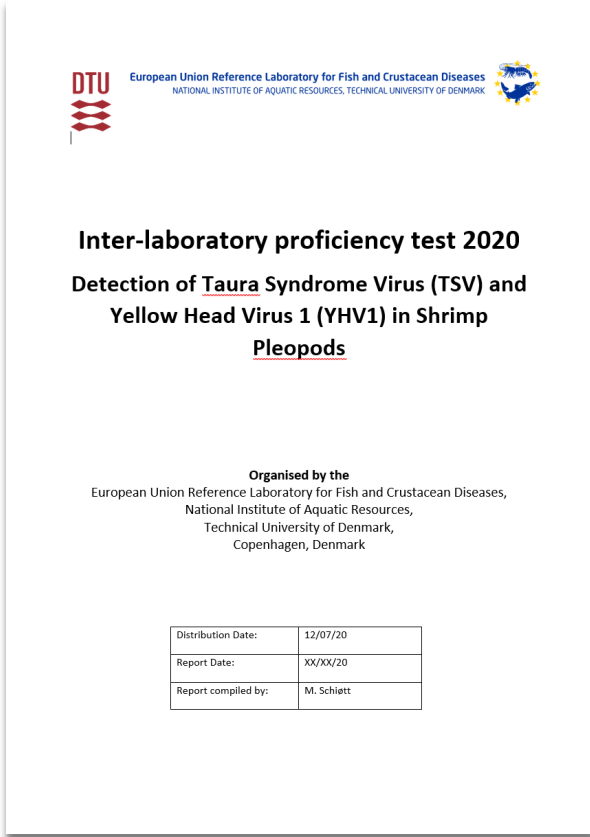


# 1-3 Organise Proficiency tests

Crustacean PT19 on WSSV: 22 NRL's in 21 Member states

PT20 WSSV: 25 laboratories in 18 EU Member States

PT20 TSV & YHV: 16 laboratories in 12 EU Member States

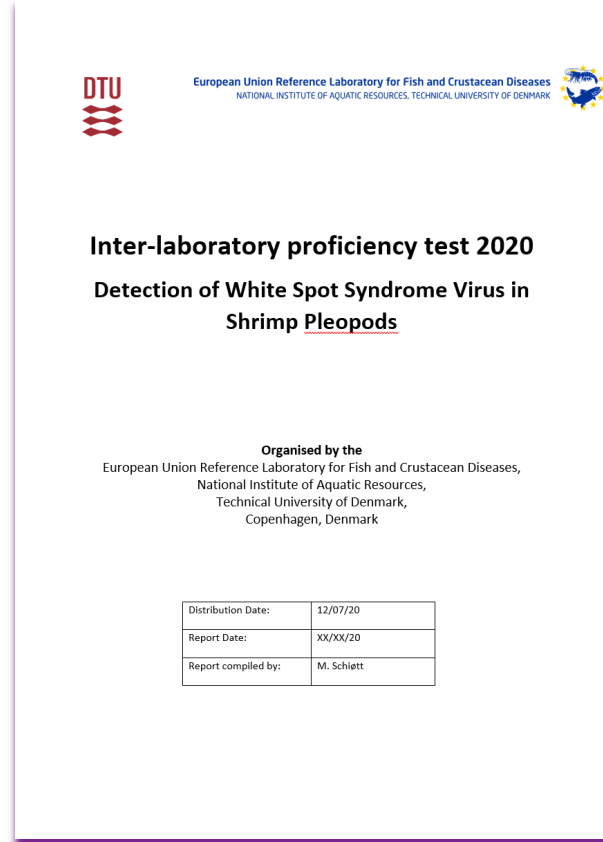


DTU European Union Reference Laboratory for Fish and Crustacean Diseases  
NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK

**Inter-laboratory proficiency test 2020**  
**Detection of Taura Syndrome Virus (TSV) and Yellow Head Virus 1 (YHV1) in Shrimp Pleopods**

**Organised by the**  
European Union Reference Laboratory for Fish and Crustacean Diseases,  
National Institute of Aquatic Resources,  
Technical University of Denmark,  
Copenhagen, Denmark

Distribution Date:	12/07/20
Report Date:	XX/XX/20
Report compiled by:	M. Schiøtt

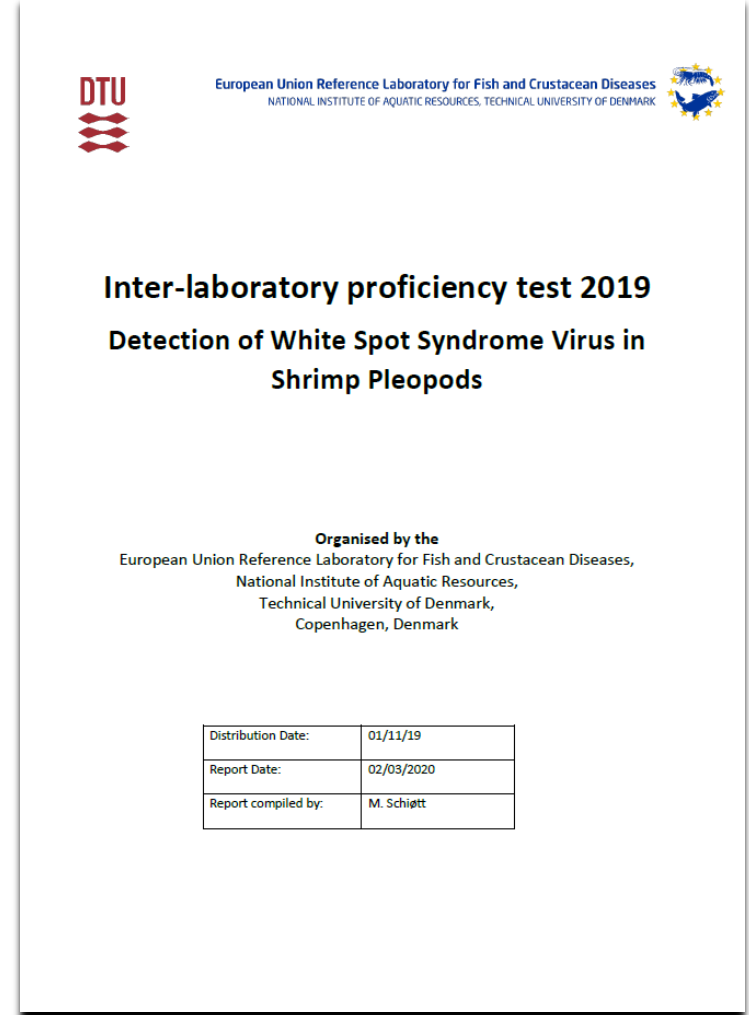


DTU European Union Reference Laboratory for Fish and Crustacean Diseases  
NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK

**Inter-laboratory proficiency test 2020**  
**Detection of White Spot Syndrome Virus in Shrimp Pleopods**

**Organised by the**  
European Union Reference Laboratory for Fish and Crustacean Diseases,  
National Institute of Aquatic Resources,  
Technical University of Denmark,  
Copenhagen, Denmark

Distribution Date:	12/07/20
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DTU European Union Reference Laboratory for Fish and Crustacean Diseases  
NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK

**Inter-laboratory proficiency test 2019**  
**Detection of White Spot Syndrome Virus in Shrimp Pleopods**

**Organised by the**  
European Union Reference Laboratory for Fish and Crustacean Diseases,  
National Institute of Aquatic Resources,  
Technical University of Denmark,  
Copenhagen, Denmark

Distribution Date:	01/11/19
Report Date:	02/03/2020
Report compiled by:	M. Schiøtt

## 2-1 Training:

**Facilitate and provide training in laboratory diagnosis:**

**EURL training course Copenhagen, October 14th - 18th 2019**

**Introduction to histopathology in fish and crustacean diseases With Kelly Batemann as diligent teacher**

**The course is now accredited to grant ECTS at PhD level to the participants.**

### EURL Training Courses



Copenhagen, October 7<sup>th</sup> - 18<sup>th</sup> 2019

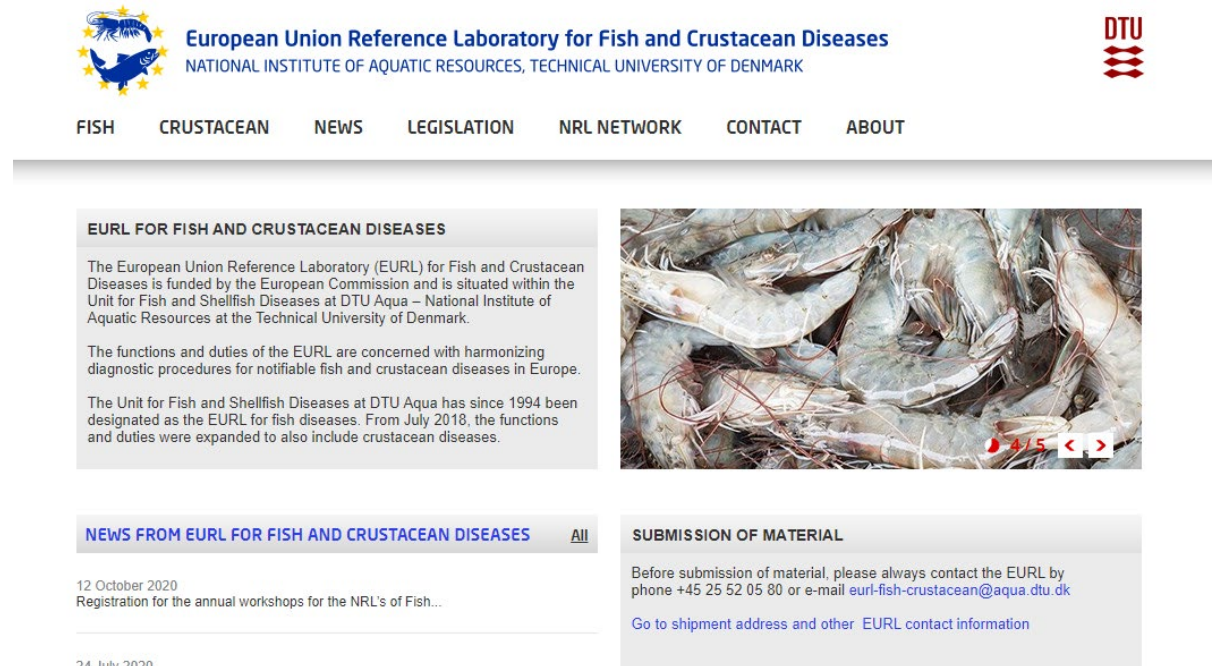
Hosted by the European Union Reference Laboratory for Fish and Crustacean Diseases

# Sub-activity 2.2 Webpage

**To provide the Member State NRLs with a fast entrance to information from the EURL.**

**[www.eurl-fish-crustacean.eu](http://www.eurl-fish-crustacean.eu)**

The EURL website has gone through a substantial re-structuring and update. It now compiles the information on the activities by both the EURL for fish and crustacean diseases



The screenshot shows the homepage of the European Union Reference Laboratory for Fish and Crustacean Diseases. At the top right is the DTU logo. Below it is the header with the text: "European Union Reference Laboratory for Fish and Crustacean Diseases" and "NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK". A navigation menu includes: FISH, CRUSTACEAN, NEWS, LEGISLATION, NRL NETWORK, CONTACT, ABOUT.

The main content area features a section titled "EURL FOR FISH AND CRUSTACEAN DISEASES" with the following text:
   
The European Union Reference Laboratory (EURL) for Fish and Crustacean Diseases is funded by the European Commission and is situated within the Unit for Fish and Shellfish Diseases at DTU Aqua – National Institute of Aquatic Resources at the Technical University of Denmark.
   
The functions and duties of the EURL are concerned with harmonizing diagnostic procedures for notifiable fish and crustacean diseases in Europe.
   
The Unit for Fish and Shellfish Diseases at DTU Aqua has since 1994 been designated as the EURL for fish diseases. From July 2018, the functions and duties were expanded to also include crustacean diseases.

To the right of this text is a photograph of several large, fresh prawns. Below the photograph is a "SUBMISSION OF MATERIAL" section with the text:
   
Before submission of material, please always contact the EURL by phone +45 25 52 05 80 or e-mail [eurl-fish-crustacean@aqu.aqu.dtu.dk](mailto:eurl-fish-crustacean@aqu.aqu.dtu.dk)
  
Go to shipment address and other EURL contact information

At the bottom left of the main content area is a "NEWS FROM EURL FOR FISH AND CRUSTACEAN DISEASES" section with a "All" filter. It lists two news items:
   
12 October 2020: Registration for the annual workshops for the NRL's of Fish...
   
24 July 2020:

## **2.3. FishRefLabNet.**

***To ensure that relevant and important information rapidly can get from the EURL directly to the Member State NRLs.***

All NRL's on crustacean diseases now enrolled in the e-mail list [eurl-fish-crustacean](mailto:eurl-fish-crustacean).

## ***3.2. Survey and diagnosis. "collate and forward information on exotic and endemic diseases, that are potentially emerging in Community"***

Surveillance and diagnostics of  
crustacean diseases in Europe

*Morten Schiøtt*



# 5.1 Scientific advice in relation to aquatic animal health legislation

For the EU commission and Member States to access scientific based advice on interpretation and implementation of aquatic animal health law.

EXPERT GROUP REPORT  
ON ASSESSMENT OF CRUSTACEAN SPECIES SUSCEPTIBLE TO INFECTION WITH LIST A AND C DISEASES ACCORDING TO EU/2018/1882

## MEMBERS OF THE EXPERT GROUP ON SUSCEPTIBILITY OF CRUSTACEAN SPECIES TO INFECTION WITH EU LISTED DISEASES

MEMBERS OF THE EXPERT GROUP		
<p><b>Prof Grant D Stentiford, FRC Path FLS</b> Animal and Human Health Theme Lead Centre for Environment, Fisheries and Aquaculture Science (Cefas) Weymouth Laboratory Weymouth Dorset DT4 8UB United Kingdom Phone: +44(0)1305 206722 Email: <a href="mailto:grant.stentiford@cefas.co.uk">grant.stentiford@cefas.co.uk</a> <a href="https://www.cefas.co.uk/centres-of-excellence/aquatic-animal-health/">https://www.cefas.co.uk/centres-of-excellence/aquatic-animal-health/</a></p>	<p><b>Dr Kelly Bateman</b> Crustacean Health Theme Lead OIE Collaborating Centre for Emerging Aquatic Animal Diseases Cefas, Barrack Road, The Nothe, Weymouth, Dorset, DT4 8UB, UK Phone: +44 (0)1305 206735 Mobile: +44 (0)7976 842638 Email: <a href="mailto:kelly.bateman@cefas.co.uk">kelly.bateman@cefas.co.uk</a> <a href="https://www.cefas.co.uk/centres-of-excellence/aquatic-animal-health/designation/cie-collaborating-centre-for-emerging-aquatic-animal-disease/">https://www.cefas.co.uk/centres-of-excellence/aquatic-animal-health/designation/cie-collaborating-centre-for-emerging-aquatic-animal-disease/</a></p>	<p><b>Dr Tobias Pretto, DVM PhD</b> NRL for Fish, Mollusc and Crustacean Diseases Istituto Zooprofilattico Sperimentale delle Venezie Viale dell'Università, 10 - 35020 Legnaro (PD) - Italy Phone: +39 049 8084459 Email: <a href="mailto:T.Pretto@izsvenezia.it">T.Pretto@izsvenezia.it</a></p>
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<p><b>Dr Nicolò Vendramin</b> Senior Researcher Coordinator of the EURL for fish and crustacean diseases Myndighedsbetjeningsekretariatet DTU AQUA - Unit for Fish and Shellfish Diseases Kemitorvet Bygning 202 DK-2800 Kgs. Lyngby E-mail: <a href="mailto:niven@aqu.dtu.dk">niven@aqu.dtu.dk</a></p>		

# EURL crustacean diseases Workplan 2021?

***Most likely only a 1-year program***

1. PT21: Most likely including all 3 listed pathogens WSSV, TS and YHV. New real-time PCR for YHV
2. Annual Workshop 2021: Hopefully face-to-face or combined with virtual access.
3. Training course 2021 Hopefully face-to-face in wk 42
4. Emerging crustacean diseases (e.g. IHNV infection, MrGV infection), will be studied
5. Scientific assessment of the effect of pooling samples from crustaceans for surveillance and diagnostics by PCR and provision of guidelines on how to pool.
6. Diagnostic Manuals will be prepared and made ready for upload on [www.eurl-fish-crustacean.eu](http://www.eurl-fish-crustacean.eu) by 21<sup>st</sup> April 2021:
  - i. Infection with WSSV
  - ii. Infection with TSV (from the OIE Aquatic Manual with alignment to legislation)
  - iii. Infection with YHV (from the OIE Aquatic Manual with alignment to legislation)

# 12<sup>th</sup> Annual workshop?

Hopefully physical meeting at DTU Campus in Kgs- Lyngby, Denmark **2<sup>nd</sup>-3<sup>rd</sup> June 2021**  
Two workshops back to back, on fish and crustacean diseases, respectively.

Large meetings may not be held face to face in the first half of 2021, therefore alternative dates could be September 22-23, 2021 (EAFP Conference 30th August-2nd September).

Possibilities for organizing combinations of virtual and face to face meeting will be assessed



# End of 11<sup>th</sup> Annual workshop of NRL's for Crustacean Diseases 2020

**Important!** Please give us feed back as soon as possible by filling the evaluation scheme send to all of you.

Upon request we will send you a signed certificate of participation.

Thank you for all the excellent presentations, valuable questions and contributions and for participating in this workshop

We are looking forward seeing you soon again  
Hopefully face to face 😊 !