



European Union Reference Laboratory for Fish and Crustacean Diseases

NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK

EURL-Crustacean diseases work done in 2020



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for Fish and Crustacean Diseases

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Technical Report 2020

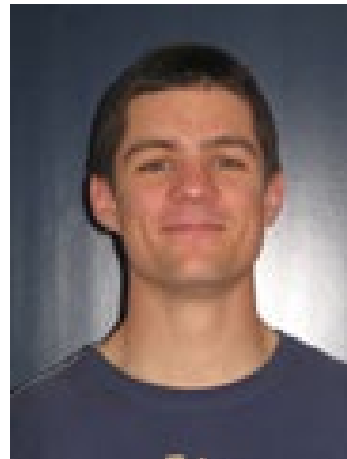
from the
European Union Reference Laboratory
for Fish and Crustacean Diseases



National Institute of Aquatic Resources
Technical University of Denmark
Kgs. Lyngby, Denmark



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1-1 Organise and prepare for the 11th Annual Workshop



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

Report of the 11th Annual Workshop of the National Reference Laboratories for Crustacean Diseases

Kgs. Lyngby, Denmark
November 5th 2020



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

1-2 Organise scientific working group meetings

Working groups were organized on listing susceptible species to infection with listed fish and crustacean diseases, respectively.

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

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		
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1-3 Organise Proficiency tests

PT20 WSSV: 25 laboratories in 18 EU Member States



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


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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


 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,
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Distribution Date:	12/07/20
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2-1 Training:

Facilitate and provide training in laboratory diagnosis:

Course 2 on Histopathology of fish and crustacean diseases was cancelled due to COVID19


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

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

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 website has been accessed 4.448 times; 14.028 pages have been accessed from January to October 2020.



The screenshot shows the homepage of the European Union Reference Laboratory for Fish and Crustacean Diseases. The header includes the DTU logo and the text "European Union Reference Laboratory for Fish and Crustacean Diseases" and "NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK". The navigation menu contains links for FISH, CRUSTACEAN, NEWS, LEGISLATION, NRL NETWORK, CONTACT, and ABOUT. The main content area features a section titled "EURL FOR FISH AND CRUSTACEAN DISEASES" with a description of the laboratory's funding and location, its functions, and its history. To the right of this text is a video player showing a fish. Below the main text is a "NEWS FROM EURL FOR FISH AND CRUSTACEAN DISEASES" section with a date of 17 May 2021 and a link to "Registration for the annual workshops for the NRL's of Fish...". To the right of the news is a "SUBMISSION OF MATERIAL" section with contact information and a link to "Go to shipment address and other EURL contact information".

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FISH CRUSTACEAN NEWS LEGISLATION NRL NETWORK CONTACT ABOUT

EURL FOR FISH AND CRUSTACEAN DISEASES

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.

NEWS FROM EURL FOR FISH AND CRUSTACEAN DISEASES [All](#)

17 May 2021
Registration for the annual workshops for the NRL's of Fish...

SUBMISSION OF MATERIAL

Before submission of material, please always contact the EURL by phone +45 25 52 05 80 or e-mail eurl-fish-crustacean@aqu.dtu.dk

[Go to shipment address and other EURL contact information](#)

2.3. FishRefLabNet.

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

The e-mail list FishRefLabNet have been continuously updated during 2020 and now contain 167 people with interest in our work. The list also includes all the NRL contacts for the Crustacean Diseases.

2.5. International conferences and meetings

To keep the EURL updated on the newest scientific information on emerging and listed exotic and non-exotic fish and crustacean diseases, and to disseminate knowledge and scientific data provided by the EURL.

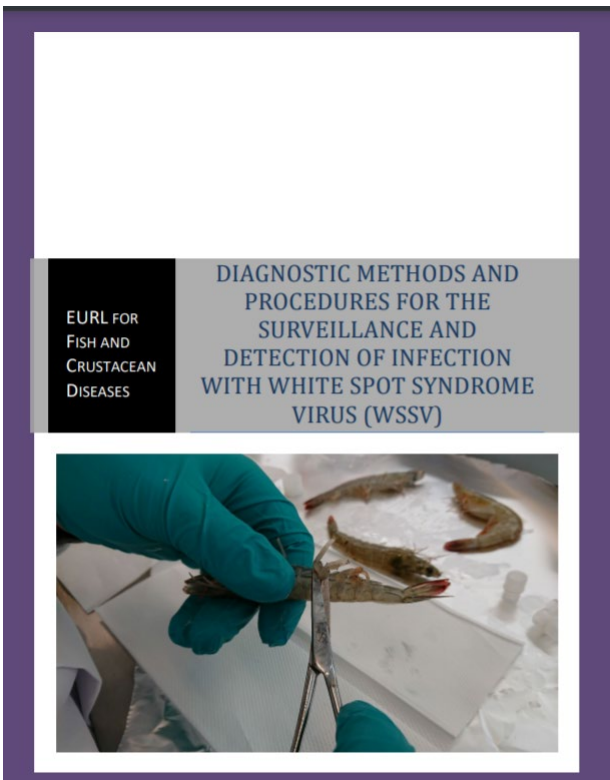
Due to COVID19 the EURL team only attended and contributed with scientific talks to few international conferences and meetings within the field in 2020.

The Unit with EURL team members authored 20 publications in Peer-reviewed journals.

3. TO PROVIDE SCIENTIFIC AND TECHNICAL ASSISTANCE TO THE EUROPEAN COMMISSION AND OTHER ORGANISATIONS

3.1. Diagnostic manuals.

To have updated diagnostic manuals for all listed crustacean diseases available for Member State NRLs on the EURL website www.eurl-fish-crustacean.eu.



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.

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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>Prof Grant D Stentiford, FRC Path FLS 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: grant.stentiford@cefas.co.uk https://www.cefas.co.uk/centres-of-excellence/aquatic-animal-health/</p>	<p>Dr Kelly Bateman 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: kelly.bateman@cefas.co.uk https://www.cefas.co.uk/centres-of-excellence/aquatic-animal-health/designation/cie-collaborating-centre-for-emerging-aquatic-animal-disease/</p>	<p>Dr Tobias Pretto, DVM PhD 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: T.Pretto@izsvenezia.it</p>
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12th Annual workshop

31st May + 1st-2nd June 2021 all virtual!

Three workshops back to back, on fish and crustacean diseases, respectively.



EURL crustacean diseases Workplan 2021

Only a 1-year program

1. PT21: Will include all 3 listed pathogens WSSV, TS and YHV.
2. Annual Workshop 2021: virtual access only.
3. Training course 2021: two virtual courses will be held in wk 42 on histopathology of fish and crustaceans.
4. Accreditation of TSV and YHV1 diagnostic PCR methods.
5. Participation in Asia Pacific Laboratories Proficiency Testing program for aquatic animal diseases.
6. Emerging crustacean diseases (e.g. IHNV infection, MrGV infection), will be studied
7. Scientific assessment of the effect of pooling samples from crustaceans for surveillance and diagnostics by PCR and provision of guidelines on how to pool.
8. Establishment of facility for maintaining permanent stock of shrimp.
9. Diagnostic Manuals will be prepared and made ready for upload on www.eurl-fish-crustacean.eu:
 - i. Infection with WSSV, done.
 - ii. Infection with TSV will be updated and aligned with the OIE Aquatic Manual, pending.
 - iii. Infection with YHV will be updated and aligned with the OIE Aquatic Manual, Pending.

EURL Workplan 2022??

1 or 2-year program

1. **PT22**: No major changes expected.
2. **Annual Workshop 2022**: This time MUST be face to face or a combination!.
3. **Training course(s) 2022**: a face-to face course will be held in wk 42 on histopathology of fish and crustacean diseases.
4. **Quality assurance**: provide help for implementing in NRL's (SOPs, visits etc.)
5. **Diagnostic methods**: Implementation of additional diagnostic methods of crustacean diseases
6. **Scientific assessment of the effect of pooling samples for surveillance and diagnostics by PCR and provision of guidelines on how to pool.**
7. **Upgrade facility for maintaining permanent stock of shrimp (and other crustaceans?).**
8. **Further update of Diagnostic manuals**
9. **Proposals for topics are VERY welcome!**

End of 12th Annual workshop of NRL's for Crustacean Diseases 2021

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 😊 !

