



**Ministry of Food, Agriculture
and Fisheries of Denmark**

Danish Veterinary and
Food Administration

Infectious haematopoietic necrosis (IHN) in Denmark

PAFF

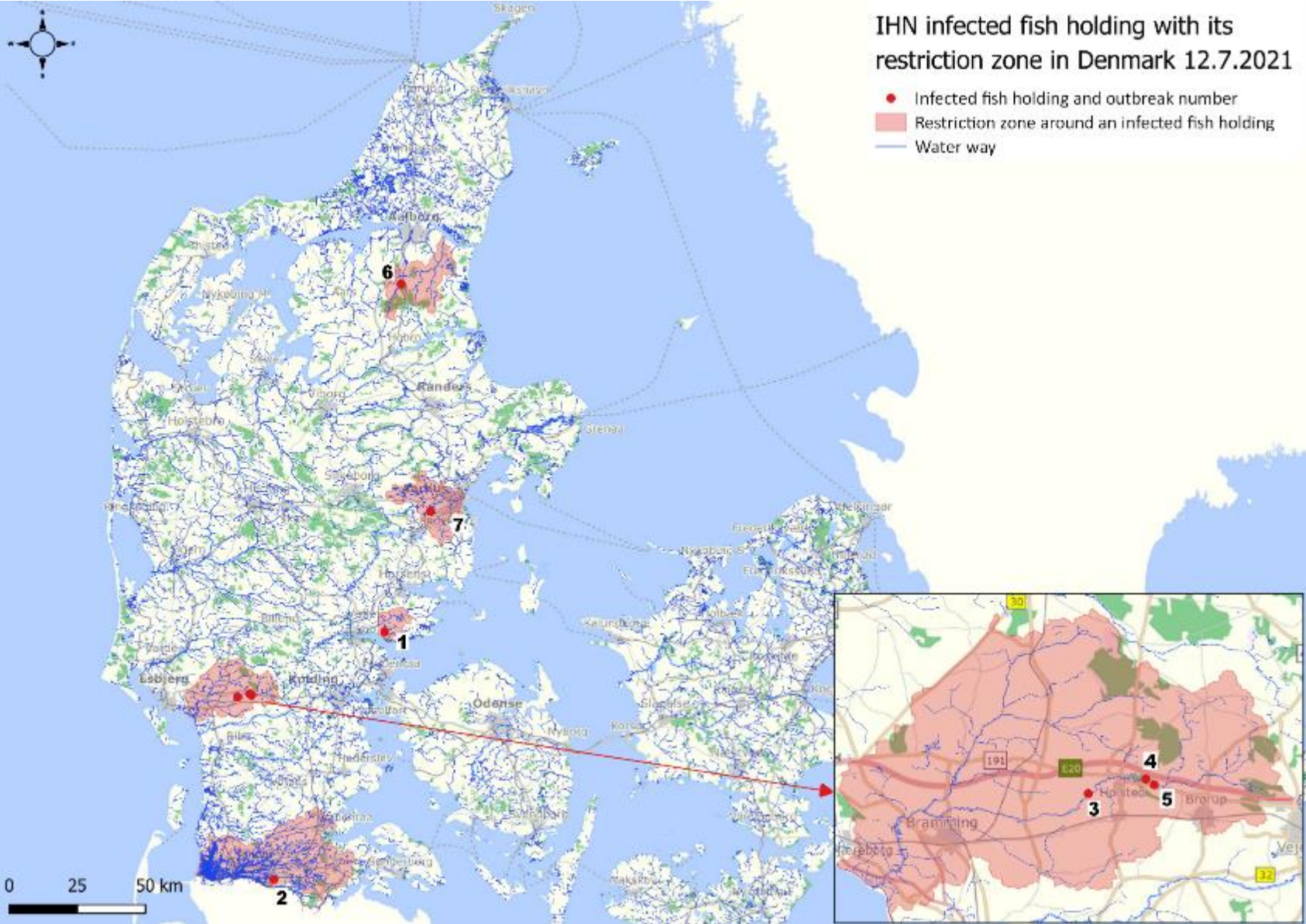
15 July 2021

No new outbreaks of IHN in Denmark since 3 June 2021

- ❑ All outbreaks are epidemiologically linked by hydrodynamic conditions or by movement of fish.
- ❑ Source of origin: inconclusive
- ❑ 47 fish farm suspicions - all negative in PCR and/or cell culture (see slide 4)
- ❑ 81 Put & Take lakes suspicions (see slide 5)

Outbreak no.	Date of confirmation	Epidemiological comments
1	18/05/2021	Rodhen Å. Received fish from outbreak no 2.
2	25/05/2021	Vidå. Received fish from outbreak no 3.
3	29/05/2021	Sneum Å. River contact of outbreak 4 & 5 and trade to outbreak 5
4	02/06/2021	Sneum Å. River contact of 3 & 5
5	03/06/2021	Sneum Å. River contact of 4 & 5 and trade from outbreak 3
6	03/06/2021	Lindborg Å. Received fish from outbreak no 3.
7	03/06/2021	Århus Å. Put & Take Lake, which received fish from outbreak 6

Map over the 7 outbreaks of IHN



Current situation (as of 12 July 2021)

Fish farms:

- **6 outbreaks (see slide 3)**
- **47 suspicions - all negative in PCR and/or cell culture**
 - **20 suspicions due to movement of fish to or from infected establishments**
 - **3 suspicion in the same water catchment area as or proximity to an infected establishment**
 - **7 suspicions due to same water catchment area as a movement contact to an infected establishment**
 - **8 suspicions due movements of fish to other Member State**
 - **7 suspicions due to same water catchment area as a movement contact to other Member State**
 - **2 clinical suspicions**



Current situation (as of 12 July 2021)

Put and take lakes:

- **1 outbreak** (see slide 3)
- **81 Suspicions:**
 - **11 were contact to a suspected fish farm, which was not infected**
 - **18 has been tested negative with a sample size of 30 fish**
 - **16 has been sampled with 30 fish, lab. results are not yet available**
 - **2 has been sampled with less than 30 fish (9 and 15 fish), tested negative**
 - **16 has been sampled with less than 30 fish (2 - 27 fish), lab. results are not yet available**
 - **7 attempted sampled, but no fish could be caught**
 - **11 not yet sampled (7 planed for sampling on 13 – 15 July)**



Path forward for suspected Put & Take lakes

- All suspected P&T are kept under official restrictions in accordance with article 55 until 30 fish have been sampled and tested negative.
- If 30 fish cannot be sampled, then use sentinel fish:
 - Released when temperature is below 18 °C
 - Waiting period of approximately 3 weeks

Path forward

DVFA supports the industry's wish to regain the IHN free status.

DVFA has approved a disease control aquatic food establishment.

The eradication shall be done in accordance with Regulation (EU) 2020/689, including:

- ❖ Removal of infected animal in accordance with article 62**
- ❖ Cleaning and disinfection in accordance with article 63**
- ❖ Fallowing for 6 weeks in accordance with article 64. Synchronized fallowing of at least 3 weeks if more than one infected establishment in a restricted zone (e.g. Sneum Å)**

After fallowing, the restricted zone will be converted into a surveillance zone.



Path forward for infected establishment

The DVFA has received the following plan from the industry:

- **Outbreak 1 and 6 plan to remove all susceptible animals followed by cleaning and disinfection followed by fallowing for 6 weeks beginning at latest on 15 August 2021.**
- **=> The restricted zones of Rohden Å and Lindenberg Å are expected to be converted to surveillance zones as of 1 October 2021.**

The DVFA is in dialog with the industry regarding the plans for outbreak 2, 3, 4 and 5, the main issues are:

- **Timeframe for removal of the animals.**
- **The approved disease control aquatic food establishment can only process fish up to 500 gram.**

The DVFA is in contact with the owner of outbreak 7 (the infected P&T lake) regarding the plans for removal of infected animal, cleaning and disinfection and fallowing.

Denmark has decided not to extend the suspension

On 2 June 2021, the Danish Veterinary and Food Administration suspended the IHN free status of Denmark in accordance with article 82(3) of Regulation (EU) 2020/689.

On 23 June 2021, the suspension of the IHN status was prolonged until 16 July 2021.

As of 16 July 2021, **the whole territory of Denmark, except water catchment area of Rohden Å, Sneum Å, Vidå, Lindenberg Å and Århus Å, will have IHN disease-free status¹.**

- Restrictions of movement to or from infected establishments and any other establishment located in the restricted zones in accordance with article 60 and the derogations in article 61.
- If the DVFA suspects IHN, then the establishment will immediately be put under official restrictions and maintained under these restrictions until presence of the disease has been ruled out or confirmed.

¹) In accordance with Commission Implementing Regulation amending Annexes to Implementing Regulation (EU) 2021/620 (SANTE/7158/2021 rev 1)

