

## CURRICULUM VITAE

### Contact Information:

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### Proposed role in the project:

1. Family name: LASSEN
2. First names: HANS JOHAN
3. Date of birth: 27-AUG-1944
4. Nationality: DANISH
5. Civil status: MARRIED
6. Education:

Institution [ Date from - Date to ]	Degree(s) or Diploma(s) obtained:
University of Copenhagen 1963-1969	Cand scient (Theoretical Chemistry[M.Sc.], second subject Physics(B.SC))
Copenhagen Business School 1976-1978	HD (Management) (B.Sc.)

7. Language skills: Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Spanish	2	3	4
German	3	3	5
French	3	4	5
Swedish	1	3	5
Norwegian	1	3	5
Danish	Mother tongue		

8. Membership of professional bodies:

9. Other skills: (e.g. Computer literacy, etc.): General user knowledge, Programming in various languages and systems

10. Present position: Consultant with personal firm H+J Data

11. Years within the firm: since 1/11 2010

12. Key qualifications: Fish stock assessments, international cooperation (member of numerous ICES assessment groups over the years, chair of some groups), international advisory function (member of advisory committee (ACFM)), management of research groups and institutes, interaction with industry and NGOs, teaching fish stock assessment techniques internationally,

13. Specific experience in the region (FAO courses on fish stock assessments and follow-up activities and individual consultancies, each 2-5 weeks some of the countries several visits ):

Country	Date from – Date to
Thailand	1985,1993
Philippines	1987
India	1983,1986,1994
Malaysia	1984

Indonesia	1996
Peru	1996,1998,2000,2003,2004,2008
Argentina	1991,1993,1996,1999,2002
Uruguay	1989,1990,1991
Chile	1999
Equador	1990
Kuwait	1986
Yemen	1987
Kenya	1983
Namibia	1988,1994,1997

#### 14. Professional experience:4

Date from - Date to	Location	Company& reference person <sup>1</sup> (name & contact details)	Position	Description
1969	Copenhagen, Denmark	University of Copenhagen	Junior researcher	Computer simulations of chemical reactions
1969-1971	Copenhagen, Denmark	Haldor Topsøe Engineering	Researcher	Computer simulations of chemical reactions and analysis of chemical reactions data
1971-1988 1992-1998	Copenhagen, Denmark	Danish Institute for Fisheries Research now DTU-Aqua Jægersborgvej 66, DK 2800 Kgs Lyngby, Denmark	1971-1978 Researcher 1978-1988 Statsbiolog Principal Senior Scientist	Fish stock assessment, computer simulations of ecosystems, fisheries statistics
1988-1992	Copenhagen, Denmark	Greenland Institute for Fisheries Research  Now Greenland Nature Institute Postbox 570 Nuuk,DK 3900 Greenland	Deputy and acting Director	Management of sector research institute

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<sup>1</sup> The Contracting Authority reserves the right to contact the reference persons. If you have any objection to this fact, kindly state so and provide a justification

1998-2010	Copenhagen, Denmark	International Council for the Exploration of the Sea  H.C. Andersens Boulevard 44-46, DK 1553 Copenhagen V, Denmark	Head of Advisory Programme	Management of advisory programme
2010-	Copenhagen, Denmark	H+J Data v/Hans Lassen  Møllevænget 7  DK 3000 Helsingør  Denmark	Consultant	Consultancies in fisheries management, fisheries statistics and fish stock assessment

**15. Other relevant information:** (e.g., Publications)

1. Lassen H., Kelly C. and Sissenwine M. 2013. ICES Advisory Framework 1977-2012: From Fmax to Precautionary Approach and beyond, ICES Journal of Marine Science; doi:10.1093/icesjms/fst146
2. Lassen H., Søren Anker Pedersen, Hans Frost, and Ayoe Hoff. 2013. Fishery management advice with ecosystem considerations. ICES Journal of Marine Science; doi:10.1093/icesjms/fss208
3. Aps R., H. Lassen 2012. Towards Smart Fisheries Management of the Baltic Sea Fishery. Chapter 6 in Fisheries Management (ed. Janice S. Intilli) Nova Science Publisher
4. Lassen, H., Cross, D., and Christiansen, E. 2012. One Hundred Years of Catch Statistics for the Northeast Atlantic. ICES Cooperative Research Report No. 311. 21 pp.
5. Aps R., H. Lassen. 2010 Recovery of depleted Baltic Sea fish stocks: a review. - ICES Journal of Marine Science, 67, 2010, doi:10.1093/icesjms/fsq118.
6. Lassen H. 2009 Scientific Advice for Fisheries Management. In Fisheries, Sustainability and Development Royal Swedish Academy of Agriculture and Forestry, Stockholm Sweden
7. Sparholt, H; Bertelsen, M; Lassen, H 2007. A meta-analysis of the status of ICES fish stocks during the past half century. ICES Journal of Marine Science [ICES J. Mar. Sci.]. Vol. 64, no. 4, pp. 707-713. May 2007.

8. Aps, R; Kell, L. T.; Lassen, H.; Liiv, I., 2007. Negotiation framework for Baltic fisheries management: striking the balance of interest. ICES Journal of Marine Science [ICES J. Mar. Sci.]. Vol. 64, no. 4, pp. 858-861. May 2007.
9. Aps, Robert; Lassen, H; Ranke, W 2005. International Baltic Sea Fisheries Commission case study in multi-agent negotiations. Theme Session on Fishers Perceptions and Responses in Management Implementation (V). ICES Council Meeting documents [ICES Council Meeting Documents. Copenhagen]. no. 2005, 2005.
10. Christensen, S; Lassen, H 2004. The economic impact of the ACFM catch options for the Danish North Sea herring and industrial fisheries in 1999. Fisheries Research (Amsterdam) [Fish. Res.]. Vol. 68, no. 1-3, pp. 21-35. Jul 2004.
11. Aps, R; Lassen, H; Rice, J.C.; Andrejeva, K; Aps, J 2004. Re-allocation of the Baltic herring fishing possibilities. Proceedings of the Estonian Academy of Sciences. Biology, Ecology [Proc. Est. Acad. Sci. (Biol. Ecol.)]. Vol. 53, no. 4, pp. 306-316. 2004.
12. Marchal, P; Nielsen, J; Hovgard, H; Lassen, H. 2001. Time changes in fishing power in the Danish cod fisheries of the Baltic Sea. ICES Journal of Marine Science [ICES J. Mar. Sci.]. Vol. 58, no. 1, pp. 298-310. Feb 2001.
13. Lassen, H; Sparholt, H 2001. ICES quality assurance policy for fish stock assessment and management advice Collective volume of scientific papers. International Commission for the Conservation of Atlantic Tunas/Recueil de documents scientifiques. Commission internationale pour la Conservation des Thonides de l'Atlantique/Coleccion de documentos cientificos. Comision internacional para la Conservacion del Atun Atlantico [Collect. Vol. Sci. Pap. ICCAT/Recl. Doc. Sci. CICTA/Colecc. Doc. Cient. CICAA]. Vol. 52, pp. 1753-1769. 2001.
14. Hvingel, C; Lassen, H; Parsons, DG 2000. A biomass index for northern shrimp (*Pandalus borealis*) in Davis Strait based on multiplicative modelling of commercial catch-per-unit-effort data (1976-97). J. Northwest Atl. Fish. Sci. Vol. 26, pp. 25-36. Dec 2000.
15. Hovgard, H; Lassen, H; Madsen, N; Poulsen, TM; Wileman, D. 1999. Gillnet selectivity for North Sea Atlantic cod (*Gadus morhua*): model ambiguity and data quality are related. Canadian Journal of Fisheries and Aquatic Sciences [Can. J. Fish. Aquat. Sci.]. Vol. 56, no. 7, pp. 1307-1316. Jul 1999.
16. Lassen, H. 1999. Biological reference points based on sustainability in harvested fish stocks under changing productivity levels. Limnologica [Limnologica]. Vol. 20, no. 3, pp. 218-223. 1999.

17. Lassen, H. 1998. The future fisheries: Constraints and possibilities sustainability -- ecological impact from fisheries, the political environment and how this may affect the future of capture fisheries. J. Northwest Atl. Fish. Sci. Vol. 23, no. Symp. papers. Oct 1998.
18. Lassen, H (conv) 1998. What Future for Capture Fisheries - A shift in paradigm: Visioning sustainable harvests from the Northwest Atlantic in the twenty-first century. J. Northwest Atl. Fish. Sci. Vol. 23, no. Symp. papers, 294 pp. Sep 1997.
19. Lewy, P; Lassen, H 1997. Should total landings be used to correct estimated catch in numbers or mean weight-at-age? ICES J. Mar. Sci. Vol. 54, no. 3, pp. 462-470. 1997.
20. Sand Kristensen, P; Lassen, H 1997. The production of relaid blue mussels (*Mytilus edulis* L.) in a Danish fjord. ICES Journal of Marine Science [ICES J. Mar. Sci.]. Vol. 54, no. 5, pp. 854-865. 1997.
21. Lassen, H; Halliday, R. 1997. Biological advice on fishery management in the North Atlantic 1970-1995. Developing and sustaining world fisheries resources. The state of science and management. pp. 273-282. 1997.
22. Christensen, S; Lassen, H. 1996. Optimal management of the Iceland-Greenland transboundary cod stock. Journal of Northwest Atlantic fishery science. Dartmouth NS [J.NORTHWEST ATL. FISH. SCI.]. 1996.
23. Beyer, J. E.; Lassen, H. 1994. The effect of size-selective mortality on the size-at-age of Baltic herring. Dana. Charlottenlund [DANA]. Vol. 10, pp. 203-234. 1994.
24. Heide-Jørgensen, M.-P., H. Lassen, J. Teilmann and R.A. Davis. 1993. An index of the relative abundance of wintering belugas, *Delphinapterus leucas*, and narwhals, *Monodon monoceros*, off West Greenland. Canadian Journal of Fisheries and Aquatic Sciences 50: 2323-2335.
25. Bezzi, S; Canete, G; Perez, M; Renzi, M; Lassen, H. 1993. Report of the INIDEP working group on assessment of hake (*Merluccius hubbsi*) North of 48 degree S (Southwest Atlantic Ocean) INIDEP documento científico. Mar del Plata [INIDEP DOC. CIENT.]. no. 2, pp. 5-28. 1993.
26. Lassen, H 1991. Biological uncertainties in fish stock management -- a discussion. Scientific council studies. Northwest Atlantic Fisheries Organization [NAFO SCI. COUNC. STUD.]. 1991. Northwest Atlantic Fisheries Organ., Dartmouth, N.S. (Canada)
27. Kirkegaard, E; Lassen, H. 1990. Mean volume backscattering strength at 38 kHz and 120 kHz and echogram classification. Rapp. P.-v. Réun Cons. int. Explor. Mer. Vol 189: 73-81
28. Kjaergaard, N; Bjoerne, L; Kirkegaard, E; Lassen, H, Broadband analysis of acoustical scattering by individual fish. Rapp. P.-v. Réun Cons. int. Explor. Mer. Vol 189: 370-380

29. Lassen, H. 1988. Splitting length distributions into peaks and the clean class concept. FISHBYTE. Vol. 6, no. 1, pp. 11-14. 1988.
30. Degnbol, P; Lassen, H; Staehr, K-J. 1985 In-situ determination of target strength of herring and sprat at 38 and 120 kHz. Dana. Charlottenlund. Vol. 5, pp. 45-54. 1985.
31. Lassen, H. 1978. A method of predicting the biological effects of synthetic pollutants in the North Sea Rapp. P.-V. Reun. Cons. Int. Explor. Mer, 172, 378-383, (1978)
32. Beyer J. E. and Lassen H. 1975. Multispecies Models of an Exploited Sea. Arctic Systems. Memorial University, NF, Canada
33. Agger, P., Boetius, I., & Lassen, H. 1973. Error in the Virtual Population Analysis: the effect of uncertainties in the natural mortality coefficient. J. Cons. int. Explor. Mer, 35:93.

#### FAO Manuals

1. Lassen Hans and Paul Medley (2001). Virtual population analysis. FAO Technical Papers 400. FAO Rome 2001 129pp (includes a CD containing additional examples and exercises)
2. Hovgaard Holger and Hans Lassen (2000). Manual on estimation of selectivity for gillnet and longline gears in abundance surveys. FAO fisheries technical paper no 397, Food and Agriculture Organization Rome 84pp

Numerous presentations at international conferences, e.g. ICES CM documents.