

国際協力について

1 国際協力の主な事例

- ・IWC-POWERに関する共同研究(2010-継続中)
- ・NAMMCO衛星標識開発プロジェクト(MINTAG)への参加(2019-継続中)
- ・NAMMCOフィーディングエコロジーに関する共同研究(2024以降)
- ・ドイツDNA研究者との大型ヒゲクジラ類の系群構造解析に関する共同研究(継続中)
- ・ノルウェー研究者との大型ヒゲクジラの資源量推定に関する共同研究(継続中)
- ・カリブ研究者とのザトウクジラ並びに小型鯨類の遺伝等に関する共同研究(継続中)
- ・西アフリカ研究者との大型ヒゲクジラ類ならびに小型鯨類の資源量等に関する共同研究 (継続中)

2-1 北半球における調査結果を提出した国際機関

(1) 国際捕鯨委員会科学委員会 (IWC/SC) (2022年まで約349編)

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Nakamura, G., Iida, T., Yoshida, H., Katsumata, T., Matsuoka, K., Bando, T and Kato, H. **2022**. Status Report of Conservation and Research on the western North Pacific Gray Whales in Japan, May 2021–April 2022. Document SC/68D/CMP/07 presented to the IWC Scientific Committee, May 2022 (unpublished). 5pp.

Cooke, J.G., Palka, D., Allison, C., Butterworth, D.S., Kitakado, T., Matsuoka, K., Mizroch, S.A., Punt, A.E., Walløe, L., and Yoshida, H. **2021**. Report of the Intersessional Working Group on North Pacific sei whales. Paper SC/68C/IA/07 presented to the IWC Scientific Committee. April 2021 (unpublished). 11pp.

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Nakamura, G., Nio, M., Yoshida, T., Isoda, T., Matsuoka, K., Bando, T. and Kato, H. **2021**. Status report of conservation and research on the western North Pacific gray whales in Japan, May 2020-April 2021. Paper SC/68C/CMP/07 presented to the IWC Scientific Committee. April 2021 (unpublished). 7pp.

Clapham, P., Baker, C.S., Brownell, R.L., Calambokidis, J., Cheeseman, T., Donovan, G., Ivashchenko, Y., Kato, H., Kitakado, T., Matsuoka, K., Palka, D., Punt, A.E., Urban, R.J., Wade, P., Weinrich, M., Yoshida, H. and Zerbini, A. **2020**. Report of the Intersessional Correspondence Group on North Pacific humpback whales. Paper SC/68B/ISG/01 presented to the IWC Scientific Committee. May 2020 (unpublished). 7pp.

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(2) 北大西洋海産哺乳動物委員会 (NAMMCO) (2022年まで31編)

- Anon. **2022**. Telemetry Work Progress Report 2021-2022 – Japan (ICR). SC/29/NPR/JP-2021-2022a.
- Anon. **2022**. Large Cetaceans Progress Report 2021-2022 – Japan (ICR). SC/29/NPR/JP-2021-2022b.
- Anon. **2022**. Small Cetaceans Progress Report 2021-2022 – Japan (FRI). SC/29/NPR/JP-2021-2022c.
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- Konishi, K., Isoda, T., Bando, T., Minamikawa, S., & Kleivane, L. **2020**. Antarctic minke whales find ice gaps along the ice edge in foraging grounds of the Indo-Pacific sector (60E and 140E) of the Southern Ocean. *Polar Biology*, 1-15. SC/27/FI19.
- Anon. **2020**. Large Cetaceans Progress Report 2019-2020 – Japan (ICR). SC/27/NPR/JP-2019-2020a.
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- Anon. **2019**. Small Cetaceans Progress Report 2019-2020 – Japan (FRI). SC/26/NPR/JP-2018-2019b.
- Anon. **2019**. Outline of a research program to investigate the abundance, abundance trends and stock structure of large whales in the Indo-Pacific region of the Antarctic, including a survey plan for the 2019/20 austral summer Paper SC/26/NPR-JP.
- Anon. **2018**. Small Cetaceans Progress Report 2016-2017 – Japan (FRI). SC/26/NPR/JP-2017-2018b.
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- Konishi, K. **2018**. Satellite Tracking Studies at the Institute of Cetacean Research. NAMMCO 25th Scientific Committee. M/S Polarlys from Bergen to Tromsø along the Norwegian coast. Norway. 2018/11/13-16.

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Mori, M., Watanabe, H., Hakamada, T., Tamura, T., Konishi, K., Murase, H. and Matsuoka, K. **2009**. Development of an ecosystem model of the western North Pacific. NAMMCO Scientific Committee Working Group on marine mammals and fisheries in the North Atlantic: estimating consumption and modelling interactions. NAMMCO. Marine Research Institute SC/16/MMFI/09, 49pp (unpublished). Iceland. April 2009/4/15-17. L,NL-J

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（３）北太平洋海洋科学機関（PICES）（2022年まで約30編）

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Tamura, T., Konishi, K., Matsuoka, K., Hakamada, T. and Trites, A.W. **2018**. Estimation of prey consumption by marine mammals in the PICES regions - Update to Hunt et al. (2000)-

Sasaki, H., Tamura, T., Hakamada, T., Murase, H. and Kitakado, T. **2018**. Spatial estimation of prey consumption by Bryde's whales in the western North Pacific during the summers of 2008 – 2009: Density surface model approach.

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Konishi, K., Tamura, T. and Matsuoka, K. **2007**. Recent feeding habits of sei whale *Balaenoptera borealis* in pelagic waters of the western North Pacific based on data collected from 2002 to 2006.

Ohki, S., Saitoh, S., Kiwada, H. and Matsuoka, K. **2003**. Relationship between sei whales distribution and the environmental conditions in the western North Pacific using multi-sensor remote sensing.

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2-2 南極海調査の結果を提出した国際機関

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- Isoda, T., Katsumata, T., Ueta, E., Kasai, H. and Matsuoka, K. Results of the Japanese Abundance and Stock structure Survey in the Antarctic (JASS-A) during the 2021/2022 austral summer season. 2022. SC/68D/ASI/10. 28pp.
- Matsuoka, K., Isoda, T., Katsumata, T., Takahashi, M., Hakamada, T. and Pastene, L.A. **2022**. Outline of the research plan for the 2022/2023 JASS-A survey in Area VIE. SC/68D/ASI/04, 9pp.
- Olson, P.A., Andrews-Goff, V., Double, M.C., Matsuoka, K. and Pastene, L.A. **2022**. Movements of Antarctic blue whales derived from Discovery tag, photo-ID, and satellite tag data. SC/68D/SH/09. 10pp.
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- Isoda, T., Katsumata, T., Yamazaki, M., Abe, N. and Matsuoka, K. **2021**. Results of the Japanese Abundance and Stock structure Survey in the Antarctic (JASS-A) during the 2020/21 austral summer season. SC/68C/ASI/03. 26pp.
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- Olson, P.A., Kinzey, D., Double, M.C., Matsuoka, K. and Findlay, K. **2021**. Capture-recapture estimates of abundance of Antarctic blue whales. SC/68C/ASI/15. 15pp.
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- Goto, M. and Taguchi, M. **2019**. Genetic analyses on stock structure of fin whales in the Indo Pacific region of the Antarctic feeding grounds SC/68a/SH02. 13pp.
- Wada, A., Mogoe, T., Kasahara, K., Ohkoshi, C., Sasaki, Y. and Tamura, T. **2019**. Results of the krill and oceanographic survey under the NEWREP-A in the Antarctic in 2018/19. Paper SC/68a/EM01 presented to the IWC Scientific Committee. 11pp.

(2) 南極の海洋生物資源の保存に関する委員会 (CCAMLR)

- Government of Japan. **2019**. Outline of a research program to investigate the abundance, abundance trends and stock structure of large whales in the Indo-Pacific region of the Antarctic, including a survey plan for the 2019/20 austral summer season. Paper WG-EMM-2019/68. 16 pp.
- Pastene, L. A., Goto, M., Taguchi, M. and Matsuoka, K. **2019**. Distribution and possible areas of spatial mixing of two stocks of humpback whales, a krill predator, in the Indo-Pacific region of the Antarctic revealed by genetic analyses. Paper WG-EMM 2019/67 presented to the CCAMLR WG-EMM-19. 10pp.
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- Tamura, T. **2017**. Feeding habits and prey consumption of Antarctic minke whale *Balaenoptera bonaerensis* in the Indo-Pacific region of the Southern Ocean. WG-EMM-17/14.
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(3) 南極条約科学委員会 (SCAR)

- Katsumata, Isoda, Hakamada and Matsuoka, **2023**. Wide range distribution of baleen whales in the Antarctic based on the data from the Japanese long-term ship-based monitoring. XIII SCAR Biology Symposium 2023. August 2023, Christchurch, New Zealand.
- Pastene, L. A. and Fujise, Y. **2017**. Cetaceans as indicators of historical and current changes in the Antarctic ecosystem (oral presentation).
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(4) 北大西洋海産哺乳動物委員会 (NAMMCO)

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- Anon. 2019c. Outline of a research program to investigate the abundance, abundance trends and stock structure of large whales in the Indo-Pacific region of the Antarctic, including a survey plan for the 2019/20 austral summer Paper SC/26/NPR-JP.
- Anon. 2018a. Small Cetaceans Progress Report 2016-2017 – Japan (FRI). SC/26/NPR/JP-2017-2018b.
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- Ponganis, P.J., Fujise, Y. and Miyazaki, N. **2022**. Morphology and physiology in some small pelagic cetaceans: is Dall's porpoise a deep diver and a thoroughbred of the sea? *Marine Mammal Science* 38 (4): 1442–1469.
- Pastene, L.A., Taguchi, M., Lang, A., Goto, M. and Matsuoka, K. **2022**. Population on genetic structure of North Pacific right whales. *Marine Mammal Science* 38 (3): 1249–1261.
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