

Publications & Presentations

Peer-reviewed publications

- Kaschner, K.**, Watson, R., Trites, A..W. & Pauly, D. (in press). Mapping world-wide distributions of marine mammal species using a relative environmental suitability (RES) model. *Marine Ecology Progress Series*
- Pauly, D., Alder, J., Bakun, A., Heileman, S., Kock, K.-H., Mace, P., Perrin, W., Stergiou, K., Suamaila U.R., Verrios, M., Freire, K., Sadovy, Y. (Contributing authors: Christensen, V., **Kaschner, K.**, Palomares, M.-L., Tyedmers, P., Wabnitz, C., Watson, R., Worm, B.) (in press). Chapter 25: Marine Systems. *Millenium Ecosystem Assessment: Ecosystems and Human Well-being: A Framework for Assessment – Condition and Trends*. Eds. J. Baker, P. Moreno Casasola, A. Lugo, A. Suárez Rodríguez, L. D. Ling Tang. Island Press
- Kaschner, K.**, Stergiou, K. I., Weingartner, G. & Kumagai, S. (2004). Trophic levels of marine mammals and overlap between marine mammals and fisheries in the Mediterranean. *Proceedings from CIESM special workshop on marine mammal-fisheries interactions*, Jan 20-24, 2004, Venice, Italy
- Kaschner, K.**, Goodson, A.D. & Connelly, P.R. (1999). Source level estimation of dolphin communication calls as a potential method for species identification. *Journal of the Acoustical Society of America*, **106**, 2164
- Kaschner, K.**, Connelly, P.R., Goodson, A.D. & Lepper, P.A. (1997). Acoustic species-characteristic features of communication signals of marine mammal: the potential of source level estimates for some free-ranging North Atlantic odontocetes. *Proceedings of the Institute of Acoustics*, Underwater Bio-Sonar Systems & Bioacoustics Symposium, Loughborough University, UK, Dec 16-17, 1997, **19(9)** 217-226
- Lepper, P.A., **Kaschner, K.** & Goodson, A.D. (1997). Development of a simplified ray path model for estimating the range and depth of vocalising marine mammals. *Proceedings of the Institute of Acoustics*, Vol 19, Pt. 9. Underwater Bio-Sonar Systems & Bioacoustics Symposium, Loughborough University, UK, Dec 16-17, 1997, **19(9)** 227-236

Publications in review

- Kaschner, K.**, Watson, R., Christensen, V., Trites, A. & Pauly, D. (in review). Modeling and mapping world-wide resource overlap between marine mammals and fisheries. *Canadian Journal of Fisheries and Aquatic Sciences*
- Kaschner, K.**, MacLeod, C., Watson, R., & Pauly, D. (submitted). Mapping worldwide distributions of data deficient marine mammals: a test using stranding data for beaked whales. *Ecological Modelling*
- Redfern, J.V., Ferguson, M.C., Becker, E.A., Hyrenbach, K.D., Good, C., Barlow, J., **Kaschner, K.**, Baumgartner, M.F., Forney, K.A., Ballance, L.T., Fauchald, P., Halpin, P.N., Hamazaki, T., Pershing, A.J., Qian, S.S., Read, A., Reilly, S.B., Torres, L., Werner, F. (in review). Techniques for Cetacean Habitat Modelling: A Review. *Marine Ecology Progress Series*
- Okey, T.A., **Kaschner, K.**, Bustamante, R.H., Wright, B.A. (submitted). Do fisheries compete with marine mammals and seabirds for food: A trophodynamic modeling exploration of three marine ecosystems. *Marine Policy*

Conference proceedings

- Kaschner, K.** (2005). Vorhersagemodell über globale Verbreitungsgebiete und Biodiversitäts-Hotspots von Meeressäugern (Extended abstract). Bundesamt für Naturschutz, Reihe Naturschutz und Biologische Vielfalt. 6. Expertentagung für Biodiversitätsforschung, Aug 23-26, Vilm, Germany
- Kaschner, K.,** Watson, R., Trites, A.W. & Pauly, D. (2004). Mapping global distributions of marine mammal species using a relative environmental suitability model (Abstract). Ocean Biodiversity Informatics Conf., Nov 29 – Dec 1, 2004, Hamburg, Germany ([view poster](#))
- Watson, R. & **Kaschner, K.** (2004). Mapping global fisheries indicators and potential conflicts (Extended Abstract). Invited presentation at the Fisheries Ecosystem Symposium (Australian Society for Fish Biology 2004), Sept 20, 2004, Adelaide, Australia
- Kaschner, K.,** Watson, R., Christensen, V., Trites, A. & Pauly, D. (2004). Modelling and mapping trophic overlap between marine mammals and fisheries on a global scale: implications for fisheries management. (Abstract). 4th World Fisheries Congress, May 2-6, 2004, Vancouver, Canada
- Rizzo, Y., Coombs, A., Bhathal, B., Freire, K., Gelchu, A., Hunter, A., Karpouzi, V., **Kaschner, K.,** Poon, A., Preikshot, D., Swartz, W., Tesfamichael, D., Wood, L. & Pauly, D. (2004). Studying fisheries on large scales: Challenges and opportunities (Abstract). 4th World Fisheries Congress, May 2-6, 2004, Vancouver, Canada
- Kaschner, K.,** Watson, R., MacLeod, C. & Pauly, D. (2003). Use of stranding data to test a GIS approach for mapping large-scale distributions of poorly known marine mammal species: An Example Using the Family Ziphiidae (Abstract). Society of Marine Mammalogy Biennial Conf., Dec 14-19, 2003, Greensboro, NC, USA
- Kaschner, K.,** Watson, R., Trites, A.W. & Pauly, D. (2003). A generic large-scale model to predict global marine mammal distributions & relative environmental suitability (RES) based on physical oceanography (Abstract). 3rd workshop on the Use of Geomatic Technologies for Marine Mammal Scientists – Society of Marine Mammalogy Biennial Conf., Dec 14-19, 2003, Greensboro, NC, USA
- Kaschner, K.,** Watson, R., Christensen, V., Trites, A.W., Pauly, D. (2001). Modeling and mapping trophic overlap between marine mammals and commercial fisheries in the North Atlantic: Implications for fisheries management (Abstract). Society of Marine Mammalogy Biennial Conf., Nov 28 – Dec 3, 2001, Vancouver, Canada
- Kaschner, K.,** Watson, R., Trites, A.W., Pauly, D. (2001). A spatially explicit model of marine mammal food consumption in the North Atlantic – incorporation of habitat preferences using GIS (Abstract). 2nd Workshop on the Use of Geomatic Technologies for Marine Mammal Scientists - Society of Marine Mammalogy Biennial Conf., 28. Nov 2001, Vancouver, Canada
- Kaschner, K.,** Connelly, P.R., Goodson, A.D. & Lepper, P.A. (1998). Estimating source levels for communication signals from some North Atlantic odontocete species in open water (Abstract). World Marine Mammal Science Conf., Jan 20-25, 1998, Monte Carlo, Monaco
- Kaschner, K.,** Sturtivant, C. & Datta, S. (1997). Acoustic assessment of accuracy of ship-based visual observation of small cetaceans (Abstract). European Association for Aquatic Mammals Conf., March, 1997, Duisburg, Germany
- Kaschner, K.,** Lepper, P.A. & Goodson, A.D. (1997). Analysis and interpretation of cetacean sounds obtained from a hydrophone attached to a pelagic trawl (Abstract). Ed. P.G.H. Evans, European Research on Cetaceans – Proceedings of 11th Annual Conf. European Cetacean Society, March, 1997, Stralsund, Germany
- Connelly, P.R., Goodson, A.D., **Kaschner, K.,** Lepper, P.A., Sturtivant, C.R. and Woodward, B. (1997) Acoustic techniques to study cetacean behaviour around pelagic trawls (Extended Abstract). ICES 85th Statutory Meeting, Baltimore, USA, Oct 1997. In: ICES Council Meeting Papers. Copenhagen (Denmark): ICES 1997, (7) 6pp

Reports/Book chapters

- Kaschner, K.** & Pauly, D. (in press). Competition between marine mammals and fisheries – food for thought? The state of the animals III: 2005. Eds D.J. Salem & A.N. Rowan. Humane Society of the United States Press
- Kaschner, K.** & Pauly, D. (2004). Competition between marine mammals and fisheries – food for thought? Report for the Humane Society of the United States, 28 pp
- Kaschner, K.** (2003). Review of small cetacean bycatch in the ASCOBANS area and adjacent waters – current status and suggested future actions. Report for ASCOBANS, 123 pp
- Kaschner, K.** (2001). Harbour porpoises in the North Sea and Baltic – bycatch and current status. Report for the Umweltstiftung WWF Deutschland, 82 pp
- Kaschner, K.**, Watson, R., Christensen, V., Trites, A.W., Pauly, D. (2001). Modeling and mapping trophic overlap between marine mammals and commercial fisheries in the North Atlantic. In: *Impacts on North Atlantic Ecosystems: Catch, Effort & National/Regional Datasets*. D. Zeller, R. Watson & D. Pauly (eds.). Fisheries Centre Research Reports, **9**(3) 35 -45
- Kaschner, K.**, Wolff, G. & Zeller, D. (2001). Institutional structure for reporting of German fisheries catches. In: *Impacts on North Atlantic Ecosystems: Catch, Effort & National/Regional Datasets*. D. Zeller, R. Watson & D. Pauly (eds.). Fisheries Centre Research Reports, **9**(3) 130 –134
- Alder, J., Pitcher, T., Preikshort, D., **Kaschner, K.** & Ferriss, B. (2000). How good is good? A rapid appraisal technique for evaluation of the sustainability status of fisheries of the North Atlantic. In: *Methods for assessing the impact of fisheries in marine ecosystems of the North Atlantic*. Pauly, D. & Pitcher, T. J. (eds). Fisheries Centre Research Reports, **8**(2) 136-183
- Kaschner, K.** (1994). Whalewatching in Australia in 1993: A Response to the IWC's Questionnaire. Report for Greenpeace Australia, 63 pp

Theses

- Kaschner, K.** (2004). Modelling and mapping resource overlap between marine mammals and fisheries on a global scale. Ph.D. thesis, Department of Zoology, University of British Columbia, Vancouver, Canada, 225 pp (www.fisheries.ubc.ca/students/former.php)
- Kaschner, K.** (1997). Acoustic analysis techniques to study the behaviour of cetaceans in the vicinity of pelagic trawl nets. Diplomarbeit (equivalent of MSc thesis), Department of Zoology, Albert-Ludwigs-University of Freiburg, 86 pp

Others

- Kaschner, K.** (2004). Predicted species distributions of 115 marine mammal species and outline of methodology of the RES model (www.seaaroundus.org/distribution/search.aspx)
- Kaschner, K.** (2004). Encounters of a different kind ..., Sea Around Us Project Newsletter, 24, 3-4
- Watson, R., Alder, J., Booth, S., Christensen, V., **Kaschner, K.**, Kitchingman, A., Lai, S., Palomares, M.L.D., Valdez, F., Zeller, D. and Pauly, D. (2004). Welcome to www.seaaroundus.org: Launching our 'products' on the web, Sea Around Us Project Newsletter, 22, 1-9
- Kaschner, K.**, Watson, R., Trites, A., & Pauly, D. (2004) Mapping world-wide distributions of marine mammal species using a relative environmental suitability (RES) model. (SC/56/E30). Environmental Concerns Working Group, IWC Scientific Committee Meeting, Sorrento, Italy, 30 pp + Appendices
- Kaschner, K.**, Watson, R., Christensen, V., Trites, A. & Pauly, D. (2004). Modeling and mapping resource overlap between marine mammals and fisheries on a global scale (SC/56/E31). Environmental Concerns Working Group, IWC Scientific Committee Meeting, Sorrento, Italy , 33 pp + Appendices
- Kaschner, K.** (2002). The SOUND Tables. FishBase Online Documentation, 7 pp

Kaschner, K., Lepper, P.A., Goodson, A.D. & Trites, A.W. (1999). Increasing pinger efficacy to reduce cetacean by-catch in commercial fisheries using multi-path ranging.(SC/51/SM1) Small Cetacean Working group, IWC Scientific Committee Meeting, Grenada, 10 pp

Selected Presentations

Kaschner, K (2005). Visitors to Seamounts: Seamounts and predicted hotspots of global marine mammal species richness. Seamounts: Ecology, Fisheries and Conservation Workshop. May 16 - 22, 2005, Horta, Azores, Portugal

Kaschner, K (2005). Mapping global distributions of marine mammals using a relative environmental suitability model. Intergovernmental Conference on the Effects of Sound in the Ocean on Marine Mammals. May 2 - 5, 2005, Lercici, Italy

Kaschner, K (2005). Modeling the effects of climate change on marine mammals. Centre of Marine Biodiversity and Conservation Annual workshop: Marine Biodiversity in the Future: the Known, Unknown and Unknowable. Center for Marine Biodiversity and Conservation, April 22-25, 2005, San Diego, USA

Kaschner, K., Watson, R., MacLeod, C. & Pauly, D. (2003). Use of stranding data to test a GIS approach for mapping large-scale distributions of poorly known marine mammal species: an example using the family ziphiidae. Quantitative Seminar Series, University of Washington, Washington, USA (Invited speaker)

Kaschner, K., Watson, R., Christensen, V., Trites, A.W., Pauly, D. (2003). Assessing trophic overlap of marine mammals and fisheries on a global scale. Institutskolloquium Bundesanstalt für Fischereiforschung, Institut für Seefischerei, Hamburg, Germany July, 2003 (Invited speaker)

Kaschner, K., Gregr, E., & Ban, S. (2003). Habitat prediction of marine mammals – models and applications. Fisheries Centre Advisory Committee Meeting, Feb, 2003, Fisheries Centre, Vancouver, Canada (Oral presentation)

Kaschner, K. (2000). Nahrungskonkurrenz zwischen Fischerei und Meeressäugern – eine globale Abschätzung – Vorstellung eines Dissertationsprojektes. Institutskolloquium BFA, Dec 2000, Bundesanstalt für Fischereiforschung, Hamburg, Germany (Invited speaker)