

## References

- Aguilar-Manjarrez, J. & Nath, S.S.** 1998. *A strategic reassessment of fish farming potential in Africa*. CIFA Technical Paper No. 32. Rome, FAO. 170 pp. (also available at [www.fao.org/docrep/w8522e/w8522e00.htm](http://www.fao.org/docrep/w8522e/w8522e00.htm)).
- Aguilar-Manjarrez, J., Kapetsky, J.M. & Soto, D.** 2010. *The potential of spatial planning tools to support the ecosystem approach to aquaculture*. FAO/Rome Expert Workshop. 19–21 November 2008, Rome, Italy. FAO Fisheries and Aquaculture Proceedings. No. 17. Rome, FAO. 176 pp. (also available at [www.fao.org/docrep/012/i1359e/i1359e00.htm](http://www.fao.org/docrep/012/i1359e/i1359e00.htm)).
- Amarasinghe, U.S., De Silva, S.S. & Nissanka, C.** 2004. Fish yield predictions based on catchment features, quantified using Geographical Information Systems, in lowland reservoirs of Sri Lanka. In T. Nishida, P.J. Kailola & C.E. Hollingworth, eds. *GIS/spatial analysis in fishery and aquatic sciences*, (Vol. 2), pp. 499–514. Saitama, Japan, Fishery-Aquatic GIS Research Group.
- Asmah, R.** 2008. *Development of potential and financial viability of fish farming in Ghana*. Institute of Aquaculture. University of Stirling. 289 pp. (PhD dissertation)
- Carocci, F., Bianchi, G., Eastwood, P. & Meaden, G.** 2009. *Geographic Information Systems to support the ecosystem approach to fisheries*. FAO Fisheries and Aquaculture Technical Paper, No. 532. Rome, FAO. 120 pp. (also available at [www.fao.org/docrep/012/i1213e/i1213e00.htm](http://www.fao.org/docrep/012/i1213e/i1213e00.htm)).
- Drapeau, L., Pecquerie, L., Freon, P. & Shannon, L.** 2004. Quantification and representation of potential spatial interactions in the southern Benguela ecosystem. Ecosystem approaches to fisheries in the southern Benguela. *African Journal of Marine Science*, 26: 141–159.
- Ervik, A., Agnalt, A.-L., Asplin, L., Aure, J., Bekkvik, T.C., Døskeland, I., Hageberg, A.A., Hansen, T., Karlsen, Ø., Oppedal, F. & Strand, Ø.** 2008. AkvaVis – dynamisk GIS-verktøy for lokalisering av oppdrettsanlegg for nye oppdrettsarter – Miljøkrav for nye oppdrettsarter og laks. *Fisken og Havet*, nr 10/2008. 90 pp.
- European Commission.** 2012. *Blue growth: scenarios and drivers for sustainable growth from the oceans, seas and coasts*. Brussels, European Union. 122 pp. (available at [http://ec.europa.eu/maritimeaffairs/documentation/studies/documents/blue\\_growth\\_third\\_interim\\_report\\_en.pdf](http://ec.europa.eu/maritimeaffairs/documentation/studies/documents/blue_growth_third_interim_report_en.pdf)).
- FAO.** 2003. *Fisheries management. 2: The ecosystem approach to fisheries*. FAO Technical Guidelines for Responsible Fisheries Vol. 4, Suppl. 2. Rome. 112 pp. (also available at [www.fao.org/DOCREP/005/Y4470E/Y4470E00.HTM](http://www.fao.org/DOCREP/005/Y4470E/Y4470E00.HTM)).
- FAO.** 2008. *Report of the FAO expert workshop on climate change implications for fisheries and aquaculture*. FAO Fisheries Report No. 870. Rome. 32 pp. (also available at [www.fao.org/docrep/011/i0203e/i0203e00.htm](http://www.fao.org/docrep/011/i0203e/i0203e00.htm)).

- FAO. 2010a. *Aquaculture development. 4. Ecosystem approach to aquaculture*. FAO Technical Guidelines for Responsible Fisheries No. 5, Suppl. 4. Rome. 53 pp. (also available at [www.fao.org/docrep/013/i1750e/i1750e00.htm](http://www.fao.org/docrep/013/i1750e/i1750e00.htm)).
- FAO. 2010b. *The State of World Fisheries and Aquaculture 2010*. Rome. 197 pp. (also available at [www.fao.org/docrep/013/i1820e/i1820e00.htm](http://www.fao.org/docrep/013/i1820e/i1820e00.htm)).
- FAO. 2012. *The State of World Fisheries and Aquaculture 2012*. Rome. 209 pp. (also available at [www.fao.org/docrep/016/i2727e/i2727e00.htm](http://www.fao.org/docrep/016/i2727e/i2727e00.htm))
- Feinholz, C. & Walker, S. 2007. *GIS for managers*. Charleston, South Carolina, USA, NOAA Coastal Services Center.
- Ferreira, J.G., Andersson, H.C., Corner, R.A., Desmit, X., Fang, Q., de Goede, E.D., Groom, S.B., Gu, H., Gustafsson, B.G., Hawkins, A.J.S., Hutson, R., Jiao, H., Lan, D., Lencart-Silva, J., Li, R., Liu, X., Luo, Q., Musango, J.K., Nobre, A.M., Nunes, J.P., Pascoe, P.L., Smits, J.G.C., Stigebrandt, A., Telfer, T.C., de Wit, M.P., Yan, X., Zhang, X.L., Zhang, Z., Zhu, M.Y., Bricker, S.B., Xiao, Y., Xu, S., Nauen, C.E. & Scalet, M. 2008. *Sustainable options for people, catchment and aquatic resources: The SPEAR project, an international collaboration on integrated coastal zone management*. 180 pp. (also available at [www.biaoqiang.org](http://www.biaoqiang.org)).
- Fisher, W.L. & Rahel, F.J., eds. 2004. *Geographic information systems in fisheries*. Bethesda, Maryland, USA, American Fisheries Society.
- Heard, K. 2010. GIS Related Articles. In: GIS Campus Core Facility. Binghamton University [online]. USA. [Cited 10 December 2012]. <http://gis.binghamton.edu/Bibliography.htm>
- Heywood, I., Cornelius, S. & Carver, S. 2006. *An introduction to geographical information systems (3rd ed)*. Harlow, UK, Pearson Education Ltd.
- Kapetsky, J.M., Aguilar-Manjarrez, J. & Jenness, J. 2013. *A global assessment of potential for offshore mariculture development from a spatial perspective*. FAO Fisheries and Aquaculture Technical Paper No. 549. Rome, FAO. 181 pp.
- Kapetsky, J.M., McGregor, L. & Nanne, E.H. 1987. *A geographical information system to plan for aquaculture: A FAO-UNEP/GRID study in Costa Rica*. FAO Fisheries Technical Paper No. 287. Rome, FAO.
- Le Pichon, C., Gorges, G., Boët, P., Baudry, J., Goreaud, F. & Faure, T. 2006. *A spatially explicit resource-based approach for managing stream fishes in riverscapes*. *Environmental Management*, 37: 322–335.
- Longdill, P.C., Healy, T.R. & Black, K.P. 2008. GIS-based models for sustainable open-coast shellfish aquaculture management area site selection. *Ocean and Coastal Management*, 51: 612–624.
- Longley, P.A., Goodchild, M.F., Maguire, D.J. & Rhind, D.W. 2005. *Geographic information systems and science*. Chichester, UK, John Wiley & Sons.
- Meaden, G.J. & Do Chi, T. 1996. *Geographical information systems. Applications to marine fisheries*. FAO Fisheries Technical Paper No. 356. Rome, FAO. 335 pp. (also available at [www.fao.org/DOCREP/003/W0615E/W0615E00.HTM](http://www.fao.org/DOCREP/003/W0615E/W0615E00.HTM)).
- Meaden, G.J. & Kapetsky, J.M. 1991. *Geographical information systems and remote sensing in inland fisheries and aquaculture*. FAO Fisheries Technical Paper No. 318. Rome, FAO. 261 pp. (also available at [www.fao.org/DOCREP/003/T0446E/T0446E00.HTM](http://www.fao.org/DOCREP/003/T0446E/T0446E00.HTM)).

- Meaden, G.J., Martin, C., Carpentier, A., Delavenne, J., Dupuis, L., Eastwood, P., Foveau, A., Garcia, C., Ota, Y., Smith, R., Spilmont, N. & Vaz, S. 2010. Towards the use of GIS for an ecosystems approach to fisheries management: CHARM 2: A case study from the English Channel. In T. Nishida, P.J. Kailola & A.E. Caton, eds. *GIS/Spatial Analyses in Fishery and Aquatic Sciences (Vol. 4)*. Saitama, Japan, International Fishery GIS Society.
- Megrey, B.A. & Moksness, E. 2009. Past, present and future trends in the use of computers in fisheries research. In B.A. Megrey & E. Moksness, eds. *Computers in fisheries research (2nd ed)*. pp. 1–30. Dordrecht, Netherlands, Springer Science.
- Mora, C., Myers, R.A., Coll, M., Libralato, S., Pitcher, T.J., Sumaila, R.U., Zeller, D., Watson, R., Gaston, K.J. & Worm, B. 2009. *Management effectiveness of the world's marine fisheries*. PLoS Biol, 7(6): e1000131. doi:10.1371/journal.pbio.1000131.
- Myers, R.A. & Worm, B. 2003. *Rapid worldwide depletion of predatory fish communities*. *Nature*. 423: 280–283.
- Nishida, T. & Caton, A., eds. 2010. *GIS/spatial analyses in fishery and aquatic sciences*, (Vol. 4). Saitama, Japan, Fishery-Aquatic GIS Research Group.
- Oddone, A., Onori, R., Carocci, F., Sadovy, Y., Suharti, S., Colin, P. L., & Vasconcellos, M. 2010. *Estimating reef habitat coverage suitable for the humphead wrasse, Cheilinus undulates, using remote sensing*. FAO Fisheries Circular No. 1057. Rome, FAO. 31 pp.
- Pasqualini, V., Pergent-Martinia, C., Pergenta, G., Agreila, M., Skoufash, G., Sourbesc, L. & Tsirikad, A. 2005. *Use of SPOT 5 for mapping seagrasses: an application to Posidonia oceanica*. *Remote Sensing of Environment*. 94: 39–45.
- Pereira, H.M., Leadley, P.W., Proenca, V., Alkemade, R., Scharlemann, J.P.W., Fernandez-Manjarres, J.F., Araujo, M.B., Balvanera, P., Biggs, R., Cheung, W.W.L., Chini, L., Cooper, H.D., Gilman, E.L., Guenette, S., Hurtt, G.C., Huntington, H.P., Mace, G.M., Oberdorff, T., Revenga, C., Rodrigues, P., Scholes, R.J., Sumaila, U.R. & Walpole, M. 2010. Scenarios for global biodiversity in the 21st century. *Science*. 330: 1496–1502.
- Purroy, A., Requena, S., Sarda, R., Gili, J.M. & Serrao, E. 2010. Spatial assessment and impact of artisanal fisheries' activity in Cap de Creus. In *Geographic Technologies Applied to Marine Spatial Planning and Integrated Coastal Zone Management*. Ponta Delgado, Portugal: Centro de Informação Geográfica e Planeamento Territorial. pp. 15–22. (available at [www.gislands.org/images/stories/pdf/Geographic-Technologies-Applied-to-Marine-Spatial-Planning-and-Integrated-Coastal-Zone-Management.pdf](http://www.gislands.org/images/stories/pdf/Geographic-Technologies-Applied-to-Marine-Spatial-Planning-and-Integrated-Coastal-Zone-Management.pdf)).
- Saitoh, S-I., Chassot, E., Dwivedi, R., Fonteneau, A., Kiyofuji, H., Kumari, B., Kuno, M. Matsumura, S., Platt, T., Raman, M., Sathyendranath, S., Solanki, H. & Takahashi, F. 2009. Remote sensing applications to fish harvesting. In M-H. Forget, V. Stuart & T. Platt, eds. *Remote sensing in fisheries and aquaculture*. IOCCG Report 8. Dartmouth, Canada, IOCCG. pp. 57–76.

- Sowa, S.P., Annis, G., Morey, M.E. & Diamond, D.D. 2007. A gap analysis and comprehensive conservation strategy for riverine ecosystems of Missouri. *Ecological Monographs*, 77: 301–334.
- Travaglia, C., Profeti, G., Aguilar-Manjarrez, J. & Lopez, N.A. 2004. *Mapping coastal aquaculture and fisheries structures by satellite imaging radar. Case study of the Lingayen Gulf, the Philippines*. FAO Fisheries Technical Paper No. 459. Rome, FAO. 45 pp. (also available at [www.fao.org/docrep/007/y5319e/y5319e00.htm](http://www.fao.org/docrep/007/y5319e/y5319e00.htm)).
- Vander Zanden, M.J., Joppa, L.N., Allen, B.C., Chandra, S., Gilroy, D., Hogan, Z., Maxted, J.T. & Zhu, J. 2007. Modeling spawning dates of *Hucho taimen* in Mongolia to establish fishery management zones. *Ecological Applications*, 17: 2281–2289.