

## David M. Kaplan, Associate Professor (CR)

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### (a) Professional Preparation

Honors B.Sc. (Magna Cum Laude), 1993, Brown University, Providence, RI, USA  
(Math/Physics)  
M.A., 1996, University of California, Santa Barbara, CA, USA (Physics)  
Ph.D., 1997, University of California, Santa Barbara, CA, USA (Physics)  
Postdoctoral Researcher, 1998-2001, P. Univ. Católica de Chile, Santiago, Chile (Marine Sciences)  
Postdoctoral Researcher, 2001-2006, University of California, Davis, CA, USA (Marine Sciences)  
Habilitation de diriger recherche (HDR), 2013, U. Montpellier II, France

### (b) Appointments

2017- Chargé de Recherche, UMR MARBEC, IRD, Sète, France  
2017 Associate Professor, Virginia Institute Marine Science, Gloucester Point, VA, USA  
2014-2017 Assistant Professor, Virginia Institute Marine Science, Gloucester Point, VA, USA  
2007-2014 Chargé de Recherche 1, UMR 212 EME, IRD, Sète, France  
2006-2007 Assistant Researcher, Institute of Marine Sciences, U. Calif., Santa Cruz, CA, USA

### (c) Products (Journal publications=58, Google scholar H-Index=27, Total citations=2238)

#### (i). Recent publications

Snouck-Hurgronje JE, Kaplan DM, Chassot E, Maufroy A, Gaertner D (*in press*) Fishing on floating objects (FOBs): How French tropical tuna purse seiners split fishing effort between GPS-monitored and unmonitored FOBs. *Can J Fish Aquat Sci*. doi:[10.1139/cjfas-2017-0152](https://doi.org/10.1139/cjfas-2017-0152)  
Santos BS, Friedrichs MAM, Rose SA, Barco SG, Kaplan DM (2018) Likely locations of sea turtle stranding mortality using experimentally-calibrated, time and space-specific drift models. *Biological Conservation* **226**:127–143. doi:[10.1016/j.biocon.2018.06.029](https://doi.org/10.1016/j.biocon.2018.06.029)  
Santos BS, Kaplan DM, Friedrichs MAM, Barco SG, Mansfield KL, Manning JP (2018) Consequences of drift and carcass decomposition for estimating sea turtle mortality hotspots. *Ecological Indicators* **84**:319–336. doi:[10.1016/j.ecolind.2017.08.064](https://doi.org/10.1016/j.ecolind.2017.08.064)  
Pendleton LH, Ahmadi GN, Browman HI, Thurstan RH, Kaplan DM, Bartolino V (2018) Debating the effectiveness of marine protected areas. *ICES J Mar Sci* **75**:1156–1159. doi:[10.1093/icesjms/fsx154](https://doi.org/10.1093/icesjms/fsx154)  
Hidalgo M, Kaplan DM, Kerr LA, Watson JR, Paris CB, Browman HI (2017) Advancing the link between ocean connectivity, ecological function and management challenges. *ICES J Mar Sci* **74**:1702–1707. doi:[10.1093/icesjms/fsx112](https://doi.org/10.1093/icesjms/fsx112)  
Kaplan DM, Cuif M, Fauvelot C, Vigliola L, Nguyen-Huu T, Tiavouane J, Lett C (2017) Uncertainty in empirical estimates of marine larval connectivity. *ICES J Mar Sci* **74**:1723–1734. doi:[10.1093/icesjms/fsw182](https://doi.org/10.1093/icesjms/fsw182)

- Mullon C, Guillotreau P, Galbraith ED, Fortilus J, Chaboud C, Bopp L, Aumont O, Kaplan DM (2017) Exploring future scenarios for the global supply chain of tuna. *Deep Sea Research Part II: Topical Studies in Oceanography* **140**:251–267. [doi:10.1016/j.dsr2.2016.08.004](https://doi.org/10.1016/j.dsr2.2016.08.004)
- Nomura KJ, Kaplan DM, Beckensteiner J, Scheld AM (2017) Comparative analysis of factors influencing spatial distributions of marine protected areas and territorial use rights for fisheries in Japan. *Marine Policy* **82**:59–67. [doi:10.1016/j.marpol.2017.05.005](https://doi.org/10.1016/j.marpol.2017.05.005)

**(ii). Other publications**

- Monsarrat S, Pennino MG, Smith TD, Reeves RR, Meynard CN, Kaplan DM, Rodrigues ASL (2016) A spatially explicit estimate of the prewhaling abundance of the endangered North Atlantic right whale. *Conservation Biology* **30**:783-791. [doi:10.1111/cobi.12664](https://doi.org/10.1111/cobi.12664)
- Lett C, Nguyen-Huu T, Cuif M, Saenz-Agudelo P, Kaplan DM (2015) Linking local retention, self-recruitment, and persistence in marine metapopulations. *Ecology* **96**:2236–2244. [doi:10.1890/14-1305.1](https://doi.org/10.1890/14-1305.1)
- Ban NC, Bax NJ, Gjerde KM, Devillers R, Dunn DC, Dunstan PK, Hobday AJ, Maxwell SM, Kaplan DM, Pressey RL, Ardron JA, Game ET, Halpin PN (2014) Systematic Conservation Planning: A new recipe for managing the High Seas. *Conservation Letters* **7**(1):41-54. [doi:10.1111/conl.12010](https://doi.org/10.1111/conl.12010)
- Kaplan DM, Bach P, Bonhommeau S, Chassot E, Chavance P, Dagorn L, Davies T, Dueri S, Fletcher R, Fonteneau A, Fromentin J-M, Gaertner D, Hampton J, Hilborn R, Hobday A, Kearney R, Kleiber P, Lehodey P, Marsac F, Maury O, Mees C, Ménard F, Pearce J, Sibert J (2013) The True Challenge of Giant Marine Reserves. *Science* **340**:810–811. [doi:10.1126/science.340.6134.810-b](https://doi.org/10.1126/science.340.6134.810-b)
- Bonhommeau S, Dubroca L, Pape OL, Barde J, Kaplan DM, Chassot E, Nieblas A-E (2013) Eating up the world's food web and the human trophic level. *Proceedings of the National Academy of Sciences (PNAS)* **110**:20617–20620. [doi:10.1073/pnas.1305827110](https://doi.org/10.1073/pnas.1305827110)

**(d) Synergistic Activities**

Associate editor for *ICES Journal of Marine Science* and *Aquatic Living Resources*  
Database developer for French tropical tuna purse-seine FAD trajectory data  
Developer of R package [ConnMatTools](#) for analyzing marine larval connectivity data  
Leader of the [AMPED](#) project studying marine protected areas for mobile species, 2009-2014

**(e) Advisors & Advisees**

**(i). Graduate Advisors and Postdoctoral Sponsors (total=4)**

Doctoral Advisor: A Strominger (Harvard U)  
Postdoctoral Sponsors: LW Botsford & J Largier (UC Davis), S Navarrete (PUC, Chile)

**(ii). Thesis Advisor and Postgraduate-Scholar Sponsor (total=14)**

J Beckensteiner (VIMS, USA), M Cuif (IRD, FR), T Delattre (INRA, FR), J Fortilus (IRD, FR), L Garavelli (Florida Atlantic U), Athenais Groizard (U Montpellier, FR), A Gruss (NMFS), T Imzilen (IRD, FR), S Marinesque (TAFF, FR), A Maufroy (IRD, FR), M Pennino (IRD, FR), B Santos (VIMS, USA), J Snouck-Hurgronje (VIMS, USA), Mohamed Ahmed Souguez (IRD, FR)