

David M. Kaplan, Associate Professor (CRCN)

Institut de Recherche pour le Développement (IRD)
UMR MARBEC
av. Jean Monnet CS 30171
34203 Sète cedex
France

E-mail: david.kaplan@ird.fr
Telephone: +33 4 99 57 32 25
ORCID: [0000-0001-6087-359X](https://orcid.org/0000-0001-6087-359X)
Website: www.davidmkaplan.fr

(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
Postdoctoral Researcher, 2001-2006, University of California, Davis, CA, USA
Habilitation de diriger recherche (HDR), 2013, U. Montpellier II, France

(b) Appointments

2017- Chargé de Recherche Classe Normale, 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=61, Google scholar H-Index=29, Total citations=2753)

(i). Recent publications

Beckensteiner J, Scheld AM, Fernández M, Kaplan DM (2020) Drivers and trends in catch of benthic resources in Chilean TURFs and surrounding open access areas. *Ocean & Coastal Management* **183**:104961. doi:[10.1016/j.ocecoaman.2019.104961](https://doi.org/10.1016/j.ocecoaman.2019.104961)

Meynard CN, Leroy B, Kaplan DM (2019) Testing methods in species distribution modelling using virtual species: what have we learnt and what are we missing? *Ecography* **42**:2021–2036. doi:[10.1111/ecog.04385](https://doi.org/10.1111/ecog.04385)

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)

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)

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)
- Grüss A, Kaplan DM, Guénette S, Roberts CM, Botsford LW (2011) Consequences of adult and juvenile movement for marine protected areas. *Biological Conservation* **144**:692-702, [doi:10.1016/j.biocon.2010.12.015](https://doi.org/10.1016/j.biocon.2010.12.015).

(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
PI for MORSE project on shifting baselines for marine mammal conservation, 2011-2015
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=16; current employment in parentheses)

J Beckensteiner (VIMS, USA), M Cuif (CEREMA, FR), T Delattre (INRA, FR), C Deslias (IRD, FR), J Fortilus (U Ontario, CA), L Garavelli (DOE, USA), A Groizard (U Montpellier, FR), A Grüss (U Washington, USA), T Imzilen (IRD, FR), S Marinesque (TAFF, FR), A Maufroy (ORTHONGEL, FR), M Morales (BIOSEAN, Spain), K Nomura (Oregon State U, USA), M Pennino (IEO, ES), B Santos (NMFS, USA), J Snouck-Hurgronje (Redhorse Corp/NMFS, USA), M Ahmed Souguez (IRD, FR)