

David M. Kaplan, Full Researcher (DR2)

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(a) Professional Preparation

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

(b) Appointments

2020- Directeur de Recherche 2, UMR MARBEC, IRD, Sète, France
2017-2020 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=81; Google scholar: H-Index=38, Total citations=4500)

(i). Selected recent publications

Pons M, Kaplan DM, Moreno G, Escalle L, Abascal F, Hall M, Restrepo V, Hilborn R (2023) Benefits, concerns, and solutions of fishing for tunas with drifting fish aggregation devices. *Fish and Fisheries* **00**:1–24. doi:[10.1111/faf.12780](https://doi.org/10.1111/faf.12780)

Imzilen T, Lett C, Chassot E, Maufroy A, Goujon M, Kaplan DM (2022) Recovery at sea of abandoned, lost or discarded drifting fish aggregating devices. *Nat Sustain* **5**:593–602. doi:[10.1038/s41893-022-00883-y](https://doi.org/10.1038/s41893-022-00883-y)

Pons M, Watson JT, Ovando D, Andraka S, Brodie S, Domingo A, Fitchett M, Forselledo R, Hall M, Hazen EL, Jannot JE, Herrera M, Jiménez S, Kaplan DM, Kerwath S, Lopez J, McVeigh J, Pacheco L, Rendon L, Richerson K, Sant’Ana R, Sharma R, Smith JA, Somers K, Hilborn R (2022) Trade-offs between bycatch and target catches in static versus dynamic fishery closures. *PNAS* **119**. doi:[10.1073/pnas.2114508119](https://doi.org/10.1073/pnas.2114508119)

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)

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)

(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](#), [knitrdata](#) and [starticles](#)
- Member of the “Comité de Pilotage” of the Ob7 pelagic ecosystem observatory (2018-present)
- Member of the “Conseil d’Unité” of the MARBEC research laboratory (2021-present)
- Responsible for IRD participation in REDUCE project on bycatch mitigation for European overseas fisheries in the eastern tropical Atlantic, 2023-
- 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=20; current or last known employment in parentheses)

- J Beckensteiner (UBO, Brest, France), M Cuif (CEREMA, FR), A Dumont (U. Montpellier, FR), T Delattre (INRA, FR), H Denis (Agro ParisTech, 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), LW Lau-Medrano (IRD, FR), I MacMillan (U. Exeter, UK), S Marinesque (TAFF, FR), A Maufroy (ORTHONGEL, FR), M Morales (BIOSEAN, Spain), C Muller (Rhodes U, SA), K Nomura (Oregon State U, USA), M Pennino (IEO, ES), B

Santos (NMFS, USA), J Snouck-Hurgronje (Redhorse Corp/NMFS, USA), M Ahmed Souguez (CERD, Djibouti)