

Fishing wars, warring fish and the no man’s land: “Simple” models for the spatial management of fisheries and their implications for the economic efficiency of marine reserve networks

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Marine reserve networks can be established for conservation or fisheries management purposes. They may also emerge as part of a profit-maximizing solution. As is appropriate, the mathematical models that are currently used to understand the economic costs and benefits of marine reserves make a number of simplifying assumptions. In my lecture, I will discuss the consequences of two common assumptions: (1) that the stock is either under the exclusive control of a single owner, or that it can be exploited by anyone, and (2) that fishing generates no selective pressure on the dispersal distributions of fish.

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