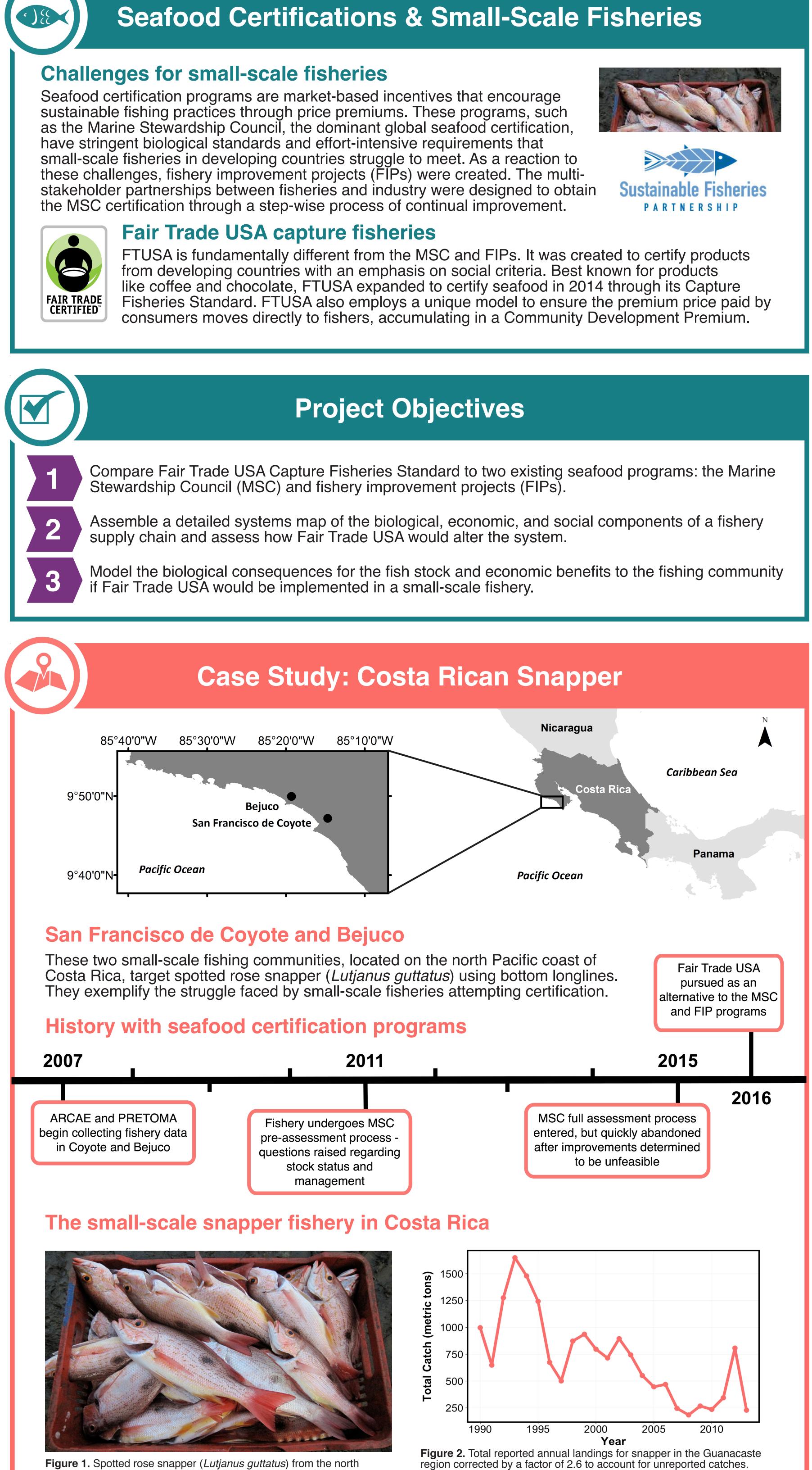
Fishing for Benefits Tradeoffs of implementing Fair Trade USA in small-scale fisheries







Pacific region of Costa Rica. Source: Andy Bystrom, ARCAE.

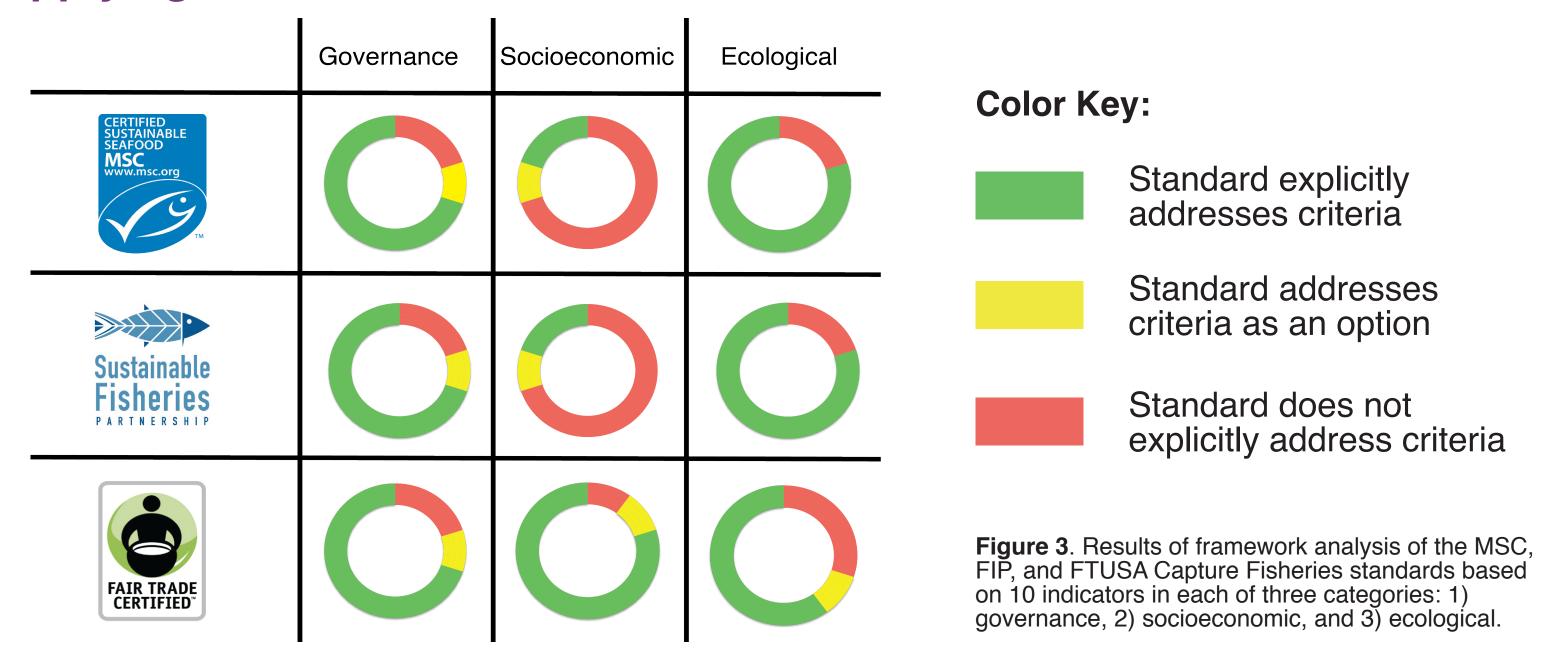
Source: INCOPESCA, 2015.

Certification Comparison

Comparison framework

Micheli et al. (2014) proposed a comprehensive seafood assessment program with 30 performance indicators spread across three categories 1) governance, 2) socioeconomic, and 3) ecological. We evaluated each certification standard against these proposed indicators using a stoplight system (green, yellow, red) based on how the standard addressed each indicator.

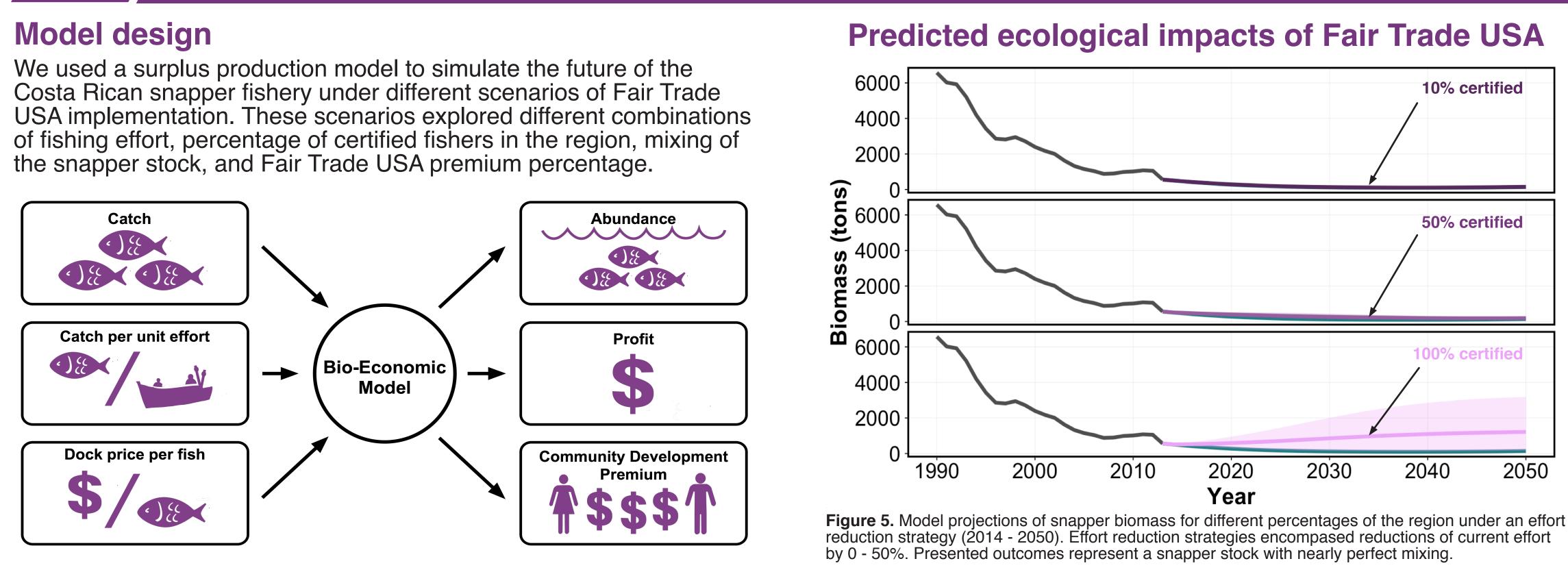
Applying the framework



Takeaway

If seafood certification programs for small-scale fisheries must include both socioeconomic and ecological criteria to be successful, then Fair Trade USA is a better fit.





Conclusions: Fair Trade USA in Small-Scale Fisheries

The Fair Trade USA Capture Fisheries Standard has a comprehinsive socioeconomic focus, targeted at developing country fisheries. While this program may be most applicable to small-scale fisheries in developing countries. tradeoffs exist between ecological and social benefits. As demonstrated by the Costa Rican snapper case study, small-scale fisheries certified by Fair Trade USA may recieve community benefits, but still experience challenges in ecological sustainability if the fishery is part of a larger stock.

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Assessing Impacts of Fair Trade USA

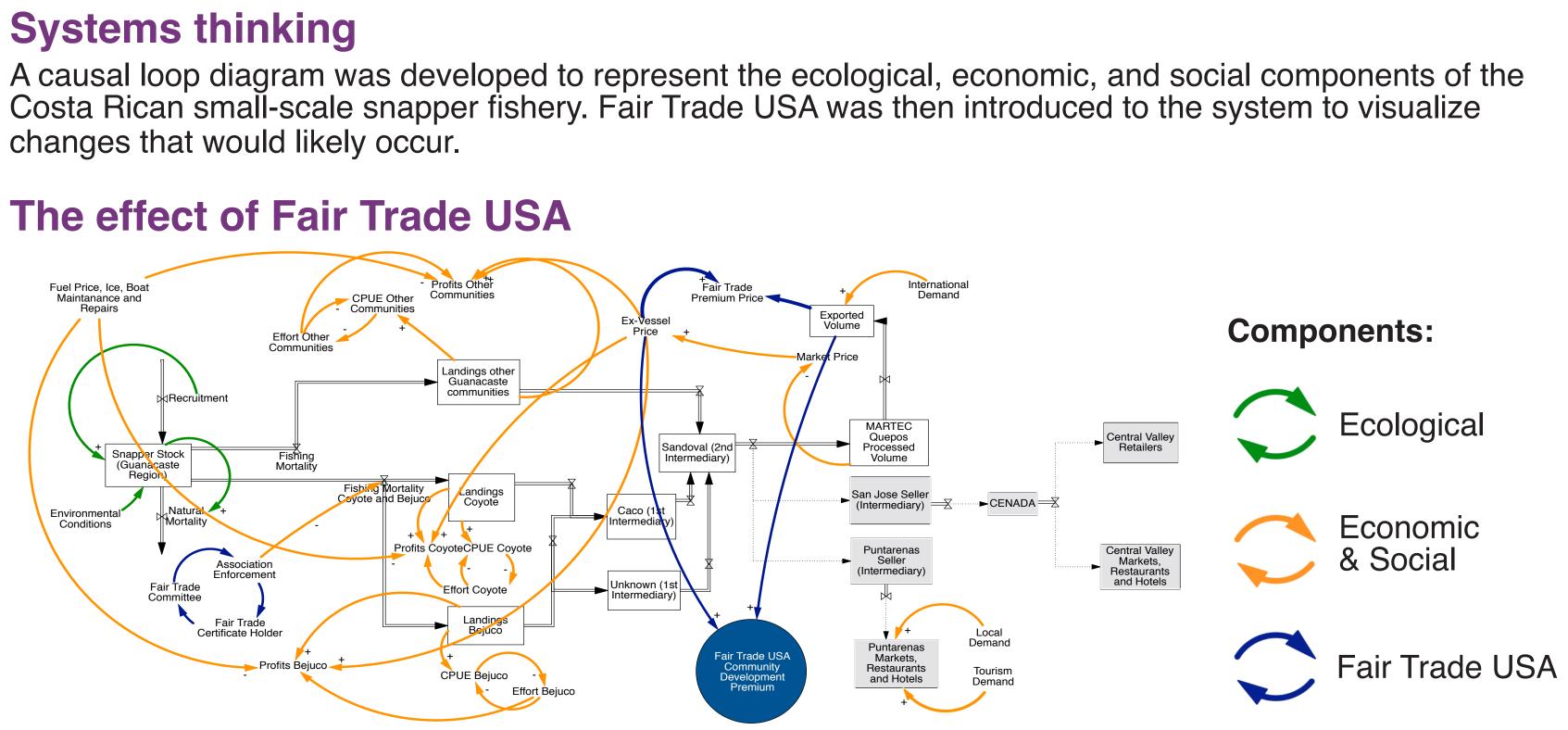


Figure 4. Coyote and Bejuco snapper fishery system if Fair Trade USA was implemented. Causal loops show different key ecological (green) and economic & social (orange) components of the fishery. The key components of Fair Trade USA are also shown (blue). Positive (+) arrows indicate a change in the same direction while negative (-) arrows indicate a change in the opposite direction.

Takeaway

Fair Trade USA changes the system by introducing a Fair Trade Community Development Premium fund managed by the Fair Trade Commitee, and reducing the existing domestic market for snapper.

Bio-Economic Model

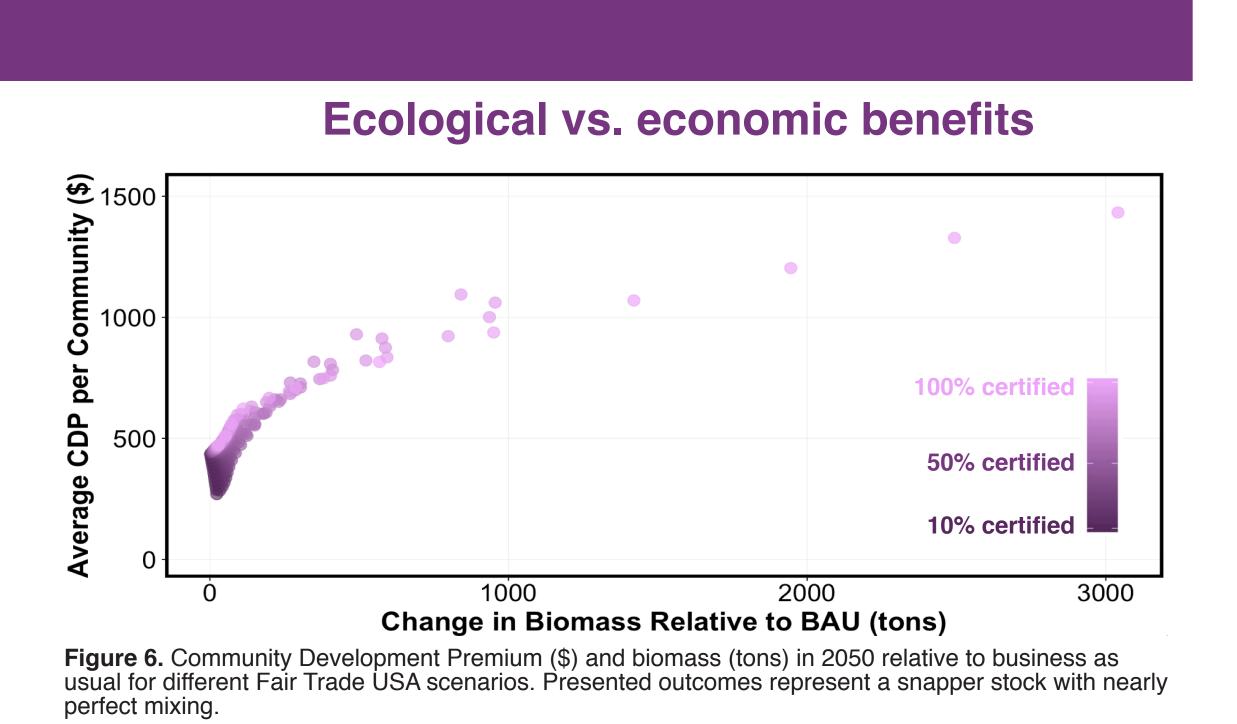


Seafood certification programs face challenges when working with small-scale fisheries. We identified three areas that necessitate further research. 1) What is the incentive for middlemen to continue to participate in Fair Trade USA? 2) How will seafood certifications adjust to incorporate small-scale fisheries in the future? 3) What are the domestic consequences of exporting certified, sustainable seafood?





Supply Chain Mapping



Takeaway

If snapper in the Guanacaste region are a single, well-mixed population, Fair Trade USA certification of Coyote and Bejuco is unlikely to have a noticeable ecological impact.

Moving Forward



