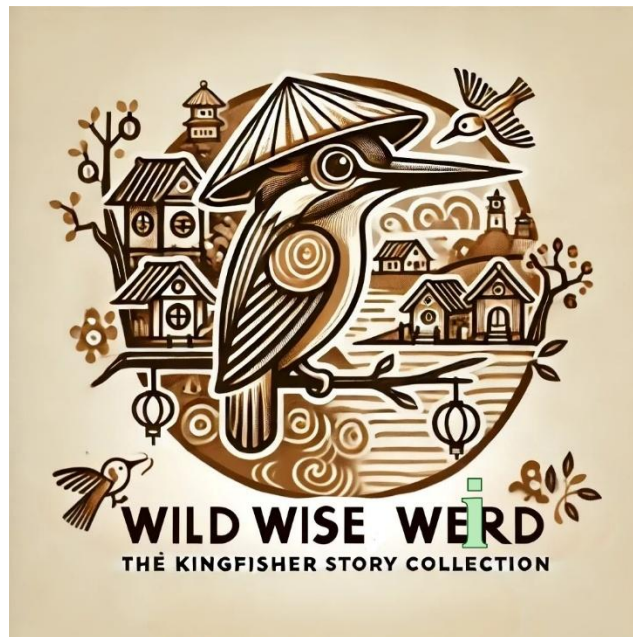


When Punishment Backfires: Insights from Japanese Fishing Communities

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“If Kingfisher stops being the conductor, the orchestra will surely play well again.”

In “Conductor”; *Wild Wise Weird* [1]



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Punishment is often seen as a powerful tool to promote cooperation and discourage free-riding in shared resource systems [2,3]. But what if, in some communities, punishment does more harm than good?

A new study by Goto and Matsui [4] challenges conventional belief by showing that punishment can actually reduce cooperation—depending on the social structure of the community. Conducted in ten Japanese fishing villages, the study used lab-in-the-field experiments where fishers played public goods games, first without and then with a punishment option. Rather than imposing fines, the punishment allowed players to anonymously signal dissatisfaction with others' behavior—mirroring the subtle social cues common in Japanese fisheries.

The researchers categorized communities as “closed” or “open” based on how much information fishers shared internally versus externally. In closed communities, where members had strong internal ties and high trust, contributions to the public good were initially high. But when punishment was introduced, contributions dropped sharply. The likely reason? Punishment disrupted existing trust, creating tension and peer pressure that “crowded out” the community’s cooperative norms.

In contrast, open communities—those with weaker internal bonds—saw a slight increase in cooperation with the introduction of punishment. Here, social norms were less established, and punishment helped fill the gap.

The findings reveal a crucial insight: the effectiveness of punishment depends heavily on community dynamics. In tightly knit groups with strong cooperative norms, even mild punishment can backfire.

For policymakers and resource managers, this means one-size-fits-all enforcement strategies may be counterproductive. Supporting or designing interventions that align with local social structures is key to sustainable resource management [5].

References

- [1] Vuong QH. (2024). *Wild Wise Weird*. <https://www.amazon.com/dp/B0BG2NNHY6/>
- [2] Fehr E, Gächter S. (2000). Cooperation and punishment in public goods experiments. *American Economic Review*, 90(4), 980-994. <https://www.aeaweb.org/articles?id=10.1257/aer.90.4.980>
- [3] Fehr E, Gächter S. (2002). Altruistic punishment in humans. *Nature*, 415, 137-140. <https://www.nature.com/articles/415137a>
- [4] Goto, J., & Matsui, T. (2025). *Counterproductive punishment in closed communities: Experimental evidence from Japanese fishery*. *Marine Policy*, 177, 106493. <https://doi.org/10.1016/j.marpol.2024.106493>

[5] Nguyen MH. (2024). How can satirical fables offer us a vision for sustainability? *Visions for Sustainability*. <https://ojs.unito.it/index.php/visions/article/view/11267>