

The below table summarises all the key variables we will use in our analysis. It was created and submitted as an Appendix before the endline data collection. The right column reports the associated variable name in the survey.

Measurement	Survey Questions
Primary Outcomes	
<ul style="list-style-type: none"> Shrimp farming production: We will collect total shrimp production 	production
<ul style="list-style-type: none"> Shrimp farming productivity: We will collect total shrimp productivity (production/1,000 m2). 	(production/a004)*1000 (total of all crops)
<ul style="list-style-type: none"> Prevalence of the disease: We will elicit the proportion of shrimp impacted by a disease as a total proportion of their shrimp production 	chemicals_cost
<ul style="list-style-type: none"> Total amount the farmer spent on treating the water released into canals and rivers 	cost_water
<ul style="list-style-type: none"> Perceptions about the Community: We will use question s5_q2 (in the endline c017) to measure this. Further, we also use an index taken from a set of questions examining attitudes about the community. The index will be created by taking the mean of all the individual components. In both cases we will compare the cooperation treatments relative to the non-cooperation treatment. 	c010 social_capital01 social_capital02 social_capital03 social_capital05
Secondary Outcomes	
<ul style="list-style-type: none"> Contribution to the public good. This is measured using a standard public goods game. 	Public good game
<ul style="list-style-type: none"> Delayed take up: The interventions could have increased concern about pollution delaying shrimp crops. 	a002/a002a
<ul style="list-style-type: none"> A dummy variable equal to one if the individual is doing something to overcome the environmental problem. 	water_adaption
<ul style="list-style-type: none"> A measure of the frequency with which an individual has discussed the environmental problem outside the households. 	c008
<ul style="list-style-type: none"> Measure of conflict within the community 	conflicts
<ul style="list-style-type: none"> The amount spent on treating water taken in from rivers and canals 	a005 (total of all crops)
Mechanism to explain results	
<p>Explaining the cooperation treatment results</p> <ul style="list-style-type: none"> Lack of leaders who coordinate the activities (c005, c006) Lack of perceived incentives to cooperation (water_cooperation) Recall the intervention f005 Baseline Social Norms Index(pollute_accept01, pollute_accept02) pollute_accept03 	

<ul style="list-style-type: none"> - Satisfaction with participation in community meetings and discussions c003 - Participation in shrimp farmer meetings (zalo_group, c001) - Social learning (c009) - Social sanctions for not participating in community activities (criticized, pressure_perceived) 	
<p>Explaining the public monitoring results:</p>	<p>e005 e004 e004b e006 e007 e001a e001b e008 e002</p>
<p>Explaining private testing</p>	<p>f002, f003</p>
<p>Explain the current practices for getting advice/ discussion</p>	<p>c007</p>
<p>Present bias (procrastination) / Status quo bias</p>	<p>b001 b002</p>
<p>Perceived relevance of the environmental problem</p>	<p>water_polluted water_shrimp</p>