



20 QUESTIONS ABOUT SMALL-SCALE FISHERIES

Below are the key questions about small-scale fisheries (SSF) that we would like to capture as part of the SSF Profile in the Too Big To Ignore (TBTI) Information System on Small-scale Fisheries (ISSF). Anyone with knowledge and familiarity with SSF or contributing case studies about SSF to TBTI research clusters is encouraged to provide answer to these 20 questions. If you have knowledge about different SSFs at different geographic scopes (for instance, local versus national), please complete a separate questionnaire for each. Estimates based on local and expert knowledge are acceptable, but this should be indicated in the information source(s) at the end of the questionnaire. Information collected through this questionnaire will be entered into ISSF and made available to anyone interested in SSF free of charge. Contributors of the information will be properly acknowledged.

Note: If data is at national level, please complete a separate questionnaire for each SSF type if possible.

Contributor(s) Mirella de Oliveira Leis
Name:
Affiliation: Memorial University
Email: mirella.deoliveiraleis@mun.ca

INFORMATION	RESPONSE								
(1) Name and type of SSF	<p>A. SSF name: Pontal do Paraná, Brazil</p> <p>B. SSF type(s): (select ALL that apply)</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Aquaculture</td> <td><input type="checkbox"/> Recreational</td> </tr> <tr> <td><input checked="" type="checkbox"/> Commercial</td> <td><input checked="" type="checkbox"/> Subsistence</td> </tr> <tr> <td><input type="checkbox"/> Indigenous</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Others (specify):</td> <td></td> </tr> </table>	<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Recreational	<input checked="" type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Subsistence	<input type="checkbox"/> Indigenous		<input type="checkbox"/> Others (specify):	
<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Recreational								
<input checked="" type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Subsistence								
<input type="checkbox"/> Indigenous									
<input type="checkbox"/> Others (specify):									
(2) Location, geographic scope and timeframe	<p>A. Location: Pontal do Paraná municipality, Paraná State</p> <p>Geographic scope: (select ONE only)</p> <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> Local</td> </tr> <tr> <td><input type="checkbox"/> Sub-national</td> </tr> <tr> <td><input type="checkbox"/> National</td> </tr> <tr> <td><input type="checkbox"/> Regional (multiple countries)</td> </tr> </table> <p>Country(ies): Brazil</p> <p>B. Information timeframe: (indicate year associated with the information, or a range of years) 2006 - 2014</p>	<input checked="" type="checkbox"/> Local	<input type="checkbox"/> Sub-national	<input type="checkbox"/> National	<input type="checkbox"/> Regional (multiple countries)				
<input checked="" type="checkbox"/> Local									
<input type="checkbox"/> Sub-national									
<input type="checkbox"/> National									
<input type="checkbox"/> Regional (multiple countries)									

<p>(3) Dominant ecosystems in the location</p>	<p>A. Ecosystem type(s): (select ALL that apply)</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Marine <input type="checkbox"/> Freshwater <input checked="" type="checkbox"/> Brackish <p>B. Ecosystem detailed type(s): (select ALL that apply)</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> Archipelago</td> <td><input type="checkbox"/> Intertidal</td> </tr> <tr> <td><input checked="" type="checkbox"/> Beach</td> <td><input type="checkbox"/> Lagoon</td> </tr> <tr> <td><input checked="" type="checkbox"/> Coastal</td> <td><input type="checkbox"/> Lake</td> </tr> <tr> <td><input type="checkbox"/> Coral reef</td> <td><input type="checkbox"/> Mangrove</td> </tr> <tr> <td><input type="checkbox"/> Deep sea</td> <td><input checked="" type="checkbox"/> Open ocean</td> </tr> <tr> <td><input checked="" type="checkbox"/> Estuary</td> <td><input type="checkbox"/> River</td> </tr> <tr> <td><input type="checkbox"/> Fjord</td> <td><input type="checkbox"/> Salt marsh</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Others (specify):</td> </tr> </table>	<input checked="" type="checkbox"/> Archipelago	<input type="checkbox"/> Intertidal	<input checked="" type="checkbox"/> Beach	<input type="checkbox"/> Lagoon	<input checked="" type="checkbox"/> Coastal	<input type="checkbox"/> Lake	<input type="checkbox"/> Coral reef	<input type="checkbox"/> Mangrove	<input type="checkbox"/> Deep sea	<input checked="" type="checkbox"/> Open ocean	<input checked="" type="checkbox"/> Estuary	<input type="checkbox"/> River	<input type="checkbox"/> Fjord	<input type="checkbox"/> Salt marsh	<input type="checkbox"/> Others (specify):	
<input checked="" type="checkbox"/> Archipelago	<input type="checkbox"/> Intertidal																
<input checked="" type="checkbox"/> Beach	<input type="checkbox"/> Lagoon																
<input checked="" type="checkbox"/> Coastal	<input type="checkbox"/> Lake																
<input type="checkbox"/> Coral reef	<input type="checkbox"/> Mangrove																
<input type="checkbox"/> Deep sea	<input checked="" type="checkbox"/> Open ocean																
<input checked="" type="checkbox"/> Estuary	<input type="checkbox"/> River																
<input type="checkbox"/> Fjord	<input type="checkbox"/> Salt marsh																
<input type="checkbox"/> Others (specify):																	
<p>(4) SSF term and definition</p>	<p>A. Term(s) used to refer to SSF: (select ALL that apply)</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Artisanal <input checked="" type="checkbox"/> Coastal <input type="checkbox"/> Inland <input type="checkbox"/> Inshore <input type="checkbox"/> Small-boat <input checked="" type="checkbox"/> Small-scale <input type="checkbox"/> Subsistence <input checked="" type="checkbox"/> Traditional <input type="checkbox"/> Others (specify): <p>B. Are small-scale fisheries defined? (select ONE only)</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not explicitly <p>Provide SSF definition, if applicable:</p> <p>"A marine artisanal fishermen is defined as an independent fish harvester whose livelihood is based on fishing, on a part or full time basis, using labour and knowledge-intensive techniques, employing family community labour on a share basis for harvesting in coastal habitats. The fish catch is usually sold in the market, usually through middlemen, although part of the production is directed to household consumption." (Diegues, 2006)</p>																

(5) Main gears type(s)	Select ALL that apply: <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Dredge</td> <td><input type="checkbox"/> Lift net</td> </tr> <tr> <td><input type="checkbox"/> Cast net</td> <td><input type="checkbox"/> Poison/explosive</td> </tr> <tr> <td><input checked="" type="checkbox"/> Gillnet</td> <td><input type="checkbox"/> Recreational fishing gears</td> </tr> <tr> <td><input type="checkbox"/> Gleaning</td> <td><input checked="" type="checkbox"/> Seine net</td> </tr> <tr> <td><input checked="" type="checkbox"/> Harpoon</td> <td><input checked="" type="checkbox"/> Surrounding net</td> </tr> <tr> <td><input type="checkbox"/> Harvesting machines</td> <td><input type="checkbox"/> Traps</td> </tr> <tr> <td><input checked="" type="checkbox"/> Hook and line</td> <td><input checked="" type="checkbox"/> Trawls</td> </tr> <tr> <td><input type="checkbox"/> Others (specify):</td> <td></td> </tr> </table>						<input type="checkbox"/> Dredge	<input type="checkbox"/> Lift net	<input type="checkbox"/> Cast net	<input type="checkbox"/> Poison/explosive	<input checked="" type="checkbox"/> Gillnet	<input type="checkbox"/> Recreational fishing gears	<input type="checkbox"/> Gleaning	<input checked="" type="checkbox"/> Seine net	<input checked="" type="checkbox"/> Harpoon	<input checked="" type="checkbox"/> Surrounding net	<input type="checkbox"/> Harvesting machines	<input type="checkbox"/> Traps	<input checked="" type="checkbox"/> Hook and line	<input checked="" type="checkbox"/> Trawls	<input type="checkbox"/> Others (specify):	
<input type="checkbox"/> Dredge	<input type="checkbox"/> Lift net																					
<input type="checkbox"/> Cast net	<input type="checkbox"/> Poison/explosive																					
<input checked="" type="checkbox"/> Gillnet	<input type="checkbox"/> Recreational fishing gears																					
<input type="checkbox"/> Gleaning	<input checked="" type="checkbox"/> Seine net																					
<input checked="" type="checkbox"/> Harpoon	<input checked="" type="checkbox"/> Surrounding net																					
<input type="checkbox"/> Harvesting machines	<input type="checkbox"/> Traps																					
<input checked="" type="checkbox"/> Hook and line	<input checked="" type="checkbox"/> Trawls																					
<input type="checkbox"/> Others (specify):																						
(6) Type(s) and number(s) of vessels <i>(select ALL that apply and provide information for each type)</i>	Main SSF vessel type(s) <input type="checkbox"/> Raft <input checked="" type="checkbox"/> Canoe <input type="checkbox"/> Outrigger <input type="checkbox"/> Dory <input type="checkbox"/> Piroque <input checked="" type="checkbox"/> Wooden <input checked="" type="checkbox"/> Fiberglass <input type="checkbox"/> Row boat <input type="checkbox"/> Sail boat <input type="checkbox"/> Decked <input type="checkbox"/> Undecked <input type="checkbox"/> Others:	# vessels 98	Ave. length (metres) 6 - 10	Typical engine size (HP) 11 - 24	# crew 1 - 2	# days fishing /year There is no information about this, but about the autonomy of the boat, which means the number of days they can stay out fishing without going back to the shore. In this case, vessels have to return																
(7) Number of SS fishers	A. Total number of SS fishers B. % of full-time C. % of fisher women		= 400 = =																			
(8) Number of all households and SS fishing households in the location	A. Total number of households in the location B. % of households participating in SSF		= 5000 = 100																			

<p>(13) SSF market and distribution channel(s)</p>	<p>A. % of catch retained for household consumption and given to family/friends</p> <p>B. % of catch sold in local markets</p> <p>C. % of catch sold to outside markets</p> <p>D. % of catch going to non-food uses</p> <p>E. % of catch going to other uses</p> <p>TOTAL</p>	<p>= 10%</p> <p>= 90%</p> <p>=</p> <p>= 0%</p> <p>= 0%</p> <p>100%</p>
<p>(14) Number of years SSF have existed in this location</p>	<p>Select ONE only:</p> <p><input type="checkbox"/> Less than 10 years</p> <p><input type="checkbox"/> About 30 years</p> <p><input type="checkbox"/> About 50 years</p> <p><input type="checkbox"/> About 100 years</p> <p><input checked="" type="checkbox"/> More than 100 years</p>	
<p>(15) SS fishers' status in the society and whether fishing is an occupation of the last resort</p>	<p>A. SS fishers are: (Select ONE only)</p> <p><input type="checkbox"/> Highly regarded by other people in the society</p> <p><input type="checkbox"/> Moderately regarded by other people in the society</p> <p><input checked="" type="checkbox"/> Poorly regarded by other people in the society</p> <p>B. Fishing is considered by SS fishers as an occupation of the last resort: (Select ONE only)</p> <p><input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Somewhat</p> <p><input type="checkbox"/> Yes</p>	
<p>(16) Governance mode(s) in SSF</p>	<p>Select ALL that apply:</p> <p><input type="checkbox"/> Co-management/co-governance</p> <p><input type="checkbox"/> Community-based management</p> <p><input type="checkbox"/> Self governance</p> <p><input checked="" type="checkbox"/> Hierarchical/top-down governance</p> <p><input type="checkbox"/> Others (specify):</p>	

<p>(17) Property and access rights held by SS fishers</p>	<p>A. Property rights held by SS fishers: (select ONE only)</p> <p><input type="checkbox"/> Individual</p> <p><input checked="" type="checkbox"/> Collective/communal</p> <p><input type="checkbox"/> None</p> <p>B. Access held by SS fishers: (select ONE only)</p> <p><input type="checkbox"/> Secured</p> <p><input checked="" type="checkbox"/> Not secured</p>		
<p>(18) Key rules, regulations, instruments and measures used to manage SSF</p>	<p>Select ALL that apply:</p> <p><input checked="" type="checkbox"/> License/permit</p> <p><input type="checkbox"/> Buy-back</p> <p><input type="checkbox"/> Catch limit</p> <p><input checked="" type="checkbox"/> Seasonal closure</p> <p><input checked="" type="checkbox"/> Area closure</p> <p><input checked="" type="checkbox"/> Gear restriction</p> <p><input checked="" type="checkbox"/> Vessel restriction</p> <p><input type="checkbox"/> Fishing effort restriction</p> <p><input type="checkbox"/> Community-based rights</p> <p><input checked="" type="checkbox"/> Marine protected areas</p> <p><input type="checkbox"/> Quota allocation</p> <p><input type="checkbox"/> Taxes and resource rental charges</p> <p><input type="checkbox"/> Territorial user rights</p> <p><input type="checkbox"/> Transferable quotas</p> <p><input type="checkbox"/> Others (specify):</p>		
<p>(19) Relevant organization(s) involved in SSF governance in the location</p>	<p><u>Name</u></p> <p>MPA MMA ICMBio IBAMA</p> <p>CEPSUL IAP Environmental Police</p> <p>Fisher's guilds ("colônia") MOPEAR</p>	<p><u>Type</u> (e.g. State/gov. department, market organization, fishers local action group, co-op/society, etc.)</p> <p>Government Department</p> <p>Government Department</p> <p>Fisher's organization and movement</p>	<p><u>Geographic scope</u> (e.g. local, sub-national, national, regional, global)</p> <p>National</p> <p>Sub-national</p> <p>Local</p>

<p>(20) Major concerns/issues currently affecting SSF (which make them vulnerable or threaten their viability)</p>	<p>Select All that apply:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Ecosystem health (resource/environmental degradation, bycatch, destructive fishing practices, etc.) <input checked="" type="checkbox"/> Social justice (access, rights, fairness, equity, displacement, power, etc.) <input checked="" type="checkbox"/> Livelihoods (viability, wellbeing, health, etc.) <input type="checkbox"/> Food security (availability, accessibility, safety, etc.) <input checked="" type="checkbox"/> Markets (access, price, monopoly, etc.) <input type="checkbox"/> Climate/environmental changes <input checked="" type="checkbox"/> Land-based pollution, coastal erosion <input type="checkbox"/> Ocean grabbing, privatization schemes <input checked="" type="checkbox"/> Poor governance (lack of accountability, transparency, rules of law, etc.) <input checked="" type="checkbox"/> Stakeholder conflicts (between different resource users and interest groups, including conservation and tourism) <input type="checkbox"/> Others (specify):
---	---

Information Source(s):

Andriguetto-Filho, J.M. A mudança técnica e o processo de diferenciação dos sistemas de produção pesqueira do Litoral do Paraná, Brasil. *Desenvolvimento e Meio Ambiente*, n. 8, 43-58, 2003. Diegues AC. *Artisanal fisheries in Brazil*. Chennai: SAMUDRA monograph. International collective in support of fishworkers; 2006. CALDEIRA, G.A. Diagnóstico socioecológico da pesca no município de Pontal do Paraná (PR): Subsídios para a gestão compartilhada da atividade. Dissertação (Mestrado em Sistemas Costeiros e Oceânicos) Universidade Federal do Paraná. 279p. 2009. Caldeira, G.A., Pierri, N. 2014. Economic Relations and the Co-management of common-resources: The case of marine fisheries in Pontal do Paraná, Southern Brazil. *Desenvolvimento e Meio Ambiente*. v.32, pp.119-137.

Other Comments: