

IDENTIFYING (NP) DATA SOURCES

PROMPT: For each Natural Product indicator, please list one data source that might be used to estimate product ‘benefits’ and a technical reference point to evaluate against.

INSTRUCCIÓN: Para cada indicador de producto natural, enumera una fuente de datos que podría usarse para estimar el “valor” del producto.

Recall that the NP goal aims to assess “the benefits of sustainable, legal harvest of commercially-important and culturally-important resources not used for food in the Gulf of California.”

Keep in mind that this goal is not about money per se, nor the financial revenue generated by natural products as revenue will be captured by the Economies and Livelihoods goal. In the context of this goal, money is just one type of indicator we might use to capture the ‘benefits’ of local natural products. We might want to consider other types of indicators, like percentage of product not wasted or percentage of product used for traditional practices.

Tenga en cuenta que este objetivo no se centra en el dinero en sí, ni en los ingresos financieros generados por los productos naturales, ya que estos ingresos se incluirán en el objetivo de Economías y Medios de Vida. En el contexto de este objetivo, el dinero es solo un tipo de indicador que podríamos usar para capturar los beneficios de los productos naturales locales. Podríamos considerar otros tipos de indicadores, como el porcentaje de producto no desperdiciado o el porcentaje de producto utilizado para prácticas tradicionales.

NP Indicator Indicador de Productos Naturales	Proposed Data Source ¿Posible Fuente de Datos?	Your Proposed Technical Reference Point Punto de Referencia	Notes. What do you want me to look at or ‘take from’ this dataset? Notas. ¿Qué quieres que revise o extraiga de este conjunto de datos?
Algae	Pescando datos https://www.dropbox.com/sc/1/fo/08m7d39dvqoeqyfxqpg6s/AJx	<i>NOTE: Currently there is little algae aquaculture in the GoC but lots of potential.</i>	Ulva spp., Macrocystis, etc. Many in Ensenada, but FIASA must obtain it locally, so we should

	OToCZn9haL9jz0Tf8F2U?rlkey=u30d9f0t2qi4ry9okkytjx257&dl=0 Sargassum research initiatives/money?		identify providers.
			Reach out to Fia Bacil for algae and fertilizer information
Animal feed and bioactive food additives (used for human and animal nutrition)	Fishing data (CONAPESCA)		
Aquarium trade species	COBI (a group of women who harvest aquarium fish that is sustainable)-Proyecto hipocampo		Reach out to COBI for this information, any information about biomass / production?
	El Gran Acuario de Mazatlán		Mazatlan aquarium trade
	Proyecto Hippocampo (there are at least two companies in Mazatlán that produce sea horses)		Proyecto hipocampo (culturing seahorses for aquarium trade and traditional medicine)
	Museo de conchas Mazatlán https://www.tripadvisor.com.mx/Attraction_Review-g150792-d153807-Reviews-Sea_Shell_City_Museo_de_Conchas-Mazatlan_Pacific_Coast.html		


Biofuels and bioenergy			
Fertilizers, biofertilizers			
			Reach out to Fia Bacil for algae and fertilizer information
Fisheries residues: fish, crustaceans, molluscs			
Pearls	<p>https://www.dof.gob.mx/nota_detalle.php?codigo=5327495&fecha=23/12/2013#gsc.tab=0</p> <p>^ Pearl oysters (<i>mother of pearl (Pinctada mazatlanica)</i>), <i>nacre (Pteria sterna)</i>, <i>Atlantic mother of pearl (Pinctada imbricata)</i> and the <i>Atlantic winged pearl oyster (Pteria colymbus)</i> regulated by this NOM-058, those who sell pearls cannot harvest adult oysters, only larvae, so they farm the oysters after. See this interview: https://aeca.es/wp-content/uploads/2020/09/entrevista_1acesit2020.pdf</p> <p>Could we use NOM-059 to identify the risk level of the</p>		

	species of pearl oysters being managed under NOM-058?		
Pharmaceuticals and cosmetics			
Seashell byproducts / residues	<p>Mazatlan seashell museum (store) and they sell everything with seashells and souvenirs</p> <p>https://www.tripadvisor.com.mx/Attraction_Review-g150792-d153807-Reviews-Sea_Shell_City_Museo_de_Conchas-Mazatlan_Pacific_Coast.html</p>		<p>Species at risk that have shells have a high market value for the shells.</p> <p>Mazatlan seashell museum (but it is a store). Even sell corals as souvenirs.</p>
Traditional medicines / homeopathy (e.g., totoaba bladder, peyote, mangroves)	<p>totoaba:</p> <p>https://www.nature.com/articles/s44183-025-00143-4</p>		
Salt*	https://www.sgm.gob.mx/Gobmx/productos/Anuarios-historicos.html		
Salt*			Reach out to San Ignacio company for their amount harvested. This is a good example of sustainable salt harvesting.
...			

* Interesting things about regional salt:

<https://www.lohechoenmexico.mx/sales-del-valle/>

<https://www.ciad.mx/salina-de-lobos-refugio-para-las-aves-acuaticas/>

I will post these citations and links to the Meeting Summary document here:  (NP) Goalkeeper Mtg. Summaries & Notes