

Innovative tools of communication

Using Story Maps to Communicate Waste crime issues

GRID-Arendal,



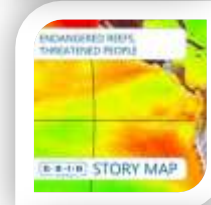


GRID-Arendal

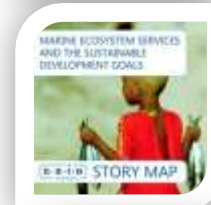
*Story Maps are an innovative tool that combine **profound research** and **visual media** such as maps, graphics and video to communicate complex ideas in a **simple story format**. The stories are designed to take the user on a journey which will increase their understanding of a topic.”*



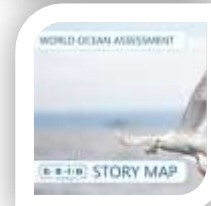
Fighting Environmental Crime from above



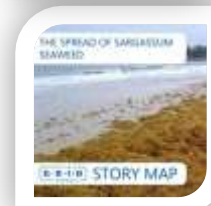
Endangered Reefs, Threatened People



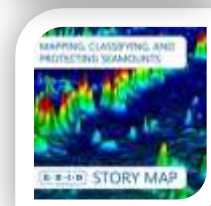
Marine Ecosystem Services and the Sustainable Dev. Goals



World Ocean Assessment



The Spread of Sargassum Seaweed



Mapping, Classifying, and Protecting Seamounts

The Trade in Plastic Waste



1.



Introduction video

(whale swimming in the sanctuary,
waves / ocean ... something about
the Pelagos that can run in loop
in the background) ~ 20 seconds long.

+ Title banner on top of video



Text introducing the Pelagos Sanctuary / Region.
Highlight importance for economy + ecosystem / whales



map to show location of sanctuary (not interactive)



photo 1: highlighting human use value activity (tourism / fisheries...)

photo 2: highlighting ecosystem value of sanctuary (dolphins swimming...)

photo 3: landscape format, showing how close humans activity and
pelagos sanctuary are. (eg. ocean in foreground / city in the back).



2. THREATS AND PRESSURES (banner title)



Introduction to threats and pressures on ecosystems in sanctuary.
which are? How have they developed? Current impacts?



Interactive map slider

A. Tourism related pressure **MAP**

hotels
beds / km² for tourists
+ scrolling text explaining + data sources + illustrative PHOTO



B. Boating / vessels related pressure **MAP** / Fisheries

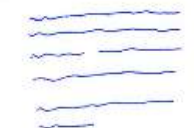
chipping traffic
+ skiffs and accidents
+ scrolling text explaining + data sources + illustrative PHOTO



C. Pollution related pressure **MAP**

drinking pollution
soil sealing
nutrient inputs
+ scrolling text explaining + data sources + illustrative PHOTO

3. ECOPOTENTIAL



@ Text introducing ECOPOTENTIAL PROJECT : who? where? what? + links

@ Specific aim of project in pelagos sanctuary.

to better understand how space is used by humans and cetaceans

How?

1. Each Observation



Text explaining how OR is used to locate whales
what kind of OR? Resolution?



Interactive map SLIDER

A. Showing high res imagery geotagged

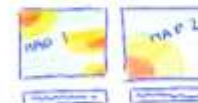


B. Showing where whales can be spotted on the
image: on click of point / region show close
up image of the sat. imagery with whale

2. PREDICTIVE MAPPING



Text on how predictive mapping works
what input data?



MAP 1: Possible feeding ground

MAP 2: Possible breeding ground

MAP title / source of input data / analysis description

3. PARTICIPATORY GIS / MAPPING



Text on the purpose of PGIS - specific example of workshop hosted
in 2016 - who were stakeholders? What data collected? How?



PHOTO 1 + 2 Close up of maps produced during the workshop

PHOTO 3 Showing maps + participants working together on the map during PGIS

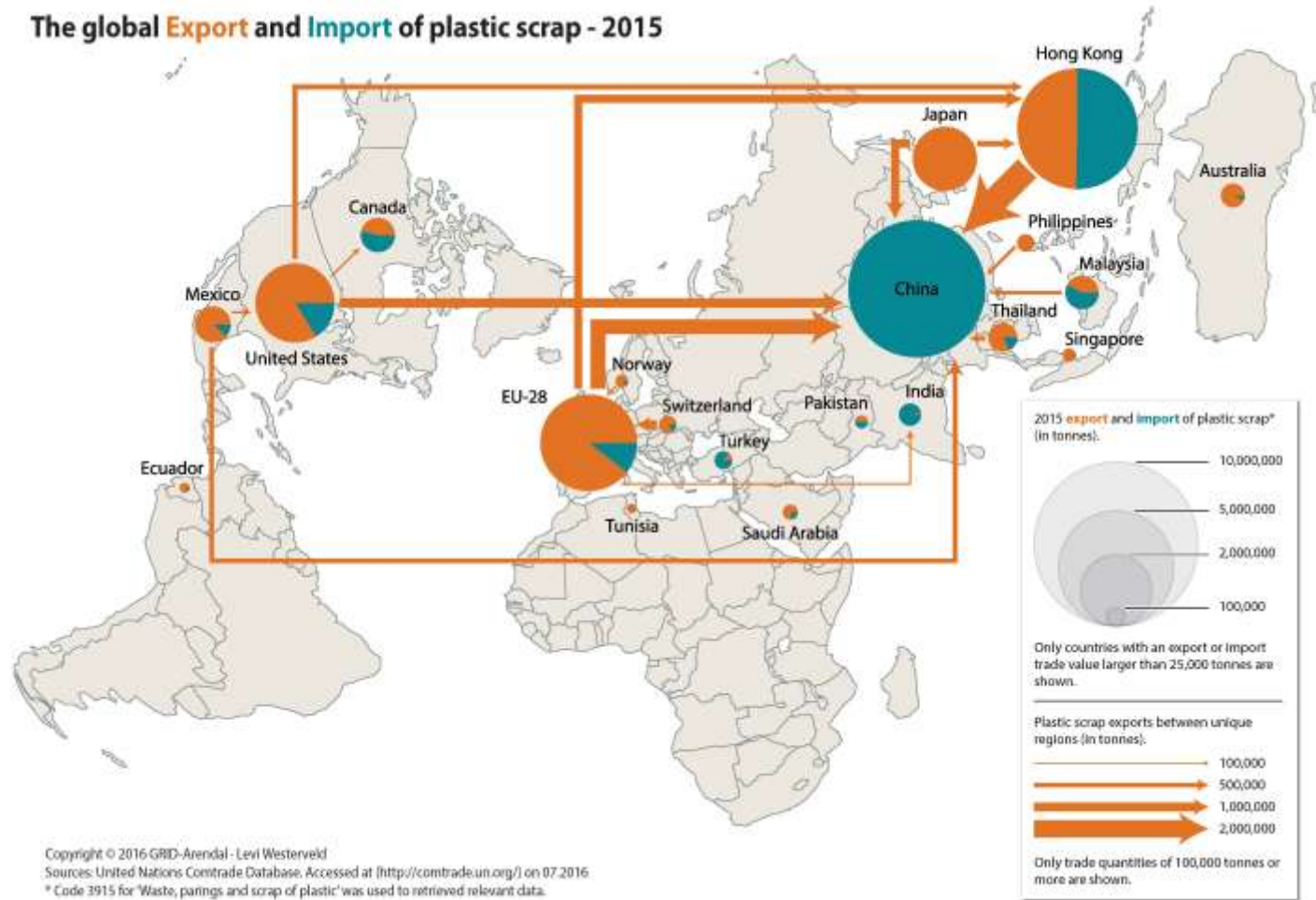


Interactive **MAP** of data collected during PGIS workshop
on activities in the Pelagos Sanctuary. Includes popup box
with information for each element on the map.



+ scrolling text explaining + data sources + illustrative PHOTO (maybe)

The global Export and Import of plastic scrap - 2015



UNcomtrade 2015

Home Insert Page Layout Formulas Data Review View

Paste Calibri (Body) 12 A A Wrap Text Merge & Center \$ %

Security Warning Data connections have been disabled.

B252 Philippines

	A	B	C	D	E	F	G	H	I	J	K
228	Import	United Rep. of	4940444		4340515						
229	Export	United Rep. of	19034711		7797228						
230	Import	USA	393776770		234985821						
231	Export	USA	2057679879		817814309						
232	Re-Export	USA	10965188		6146744						
233	Import	Burkina Faso	199982		31303						
234	Export	Burkina Faso	1076318		31246						
235	Import	Uruguay	460898		393693						
236	Export	Uruguay	1969202		576616						
237	Re-Import	Uruguay	11793		2867						
238	Export	Antigua and Barbuda	72165		16519						
239	Re-Export	Antigua and Barbuda	1205		37						
240	Export	Central Africa	59760		25463						
241	Import	Mozambique	1789059		2024086						
242	Export	Mozambique	157386		55944						
243	Import	Saint Vincent and the Grenadines	13		162						
244	Export	Saint Vincent and the Grenadines	70264		8148						
245	Import	Sao Tome and Principe	45		1155						
246	Import	Sierra Leone	426212		889705						
247	Import	Sudan	147397		41785						
248	Export	Sudan	9096510		2865652						
249	Import	Barbados	865		6880						
250	Export	Barbados	1227134		157758						
251	Import	Philippines	1943220		1772749						
252	Export	Philippines	116520515		54703583						
253											
254											
255											

Ready Average: 85612049



the legal and illegal trade

- clean and sorted, can be traded across international borders
- unsorted, contaminated or dirty plastic scrap
- data on illegal activities are scarce (some project results and indicated cases)





There is a lack of clarity with respect to what is happening in regions outside Asia.
Value chain of plastic trade is concealed and hence difficult to monitor.
The Story Map challenges environmental and health soundness of plastic recycling
Chemical composition of new consumer goods produced from recycled plastics.

Thank you!

www.grida.no

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