

Data Portal Training

Practical online exercise

Changes and improvements to the portal

- Who in the audience has used the portal **to consult data** (outside a training session)?
- Who in the audience has used the portal **to upload data** (outside a training session)?
- Any difficulties encountered during the use of the portal?
- Any suggestions for changes to the portal?

TOP 3
SUGGESTIONS

to improve the
portal

Important Notes

- **Live demo** will be shown on the **regional portal**
- Every participant uses their own **country portal** for the exercise
- Keep the good practices in mind

Good practices

- Avoid double data
- Consider grouping your data resources
- Use a good title
- Tagging is crucial
- Metadata are crucial
- Same file, different format
- Same file, different version

Case study: Marine Pollution in the Pacific

- Regional dataset
- Public data
- SPC FFA Regional Observer Pollution Report
- Form GEN-6
 - pollution incidents (XY position, vessel specs,...)
 - waste dumped overboard
 - oil spillages and leakages
 - abandoned or lost fishing gear

Data on Flash drive:



MarinePollutionData

**SPC/FFA REGIONAL OBSERVER
POLLUTION REPORT**

FORM GEN-6

REVISOR: 09/01/2014	OBSERVER NAME	VESSEL NAME	OBSERVER ID NUMBER	PAGE OF
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- fill in one form for each pollution incident -

INCIDENT DETAILS										
DD		Ship's DATE and TIME MM YY hh mm		LATITUDE (dd/mm/nnnn)		N / S	LONGITUDE (dd/mm/nnnn)		E / W	EEZ / HARBOUR
WIND DIRECTION		WIND SPEED		SEA CONDITIONS (C, S, M, R)		CURRENT (knts and direction °)		OBSERVER'S VESSEL ACTIVITY		
NAME OF OFFENDING VESSEL				IRCS		TYPE OF VESSEL		YOUR POSITION FROM OFFENDING VESSEL Compass Bearing Distance (nautical miles)		

WASTE DUMPED OVERBOARD

Material	Describe Type	Describe Quantity
Plastics		
Metals		
Waste oil		
Chemicals		
General garbage (within 12 miles of shoreline)	describe:	

OIL SPILLAGES AND LEAKAGES

Source	Visual Appearance / Colour	Describe Area and Quantity
Vessel Aground / Collision		
Vessel at Anchor / Berth		
Vessel Underway		
Land based source - Describe source		
Other - please specify		

Abandoned or Lost Fishing Gear

Source	Activity	Describe Gear	Estimate Quantity
Lost during fishing			
Abandoned			
Dumped			

Were there any stickers/posters displayed to remind the vessel about MARPOL Regulations? Y / N

Did you take any photos? Y / N

If yes, please state the number(s) of the photo frames or files. []

MARPOL Regulations - state

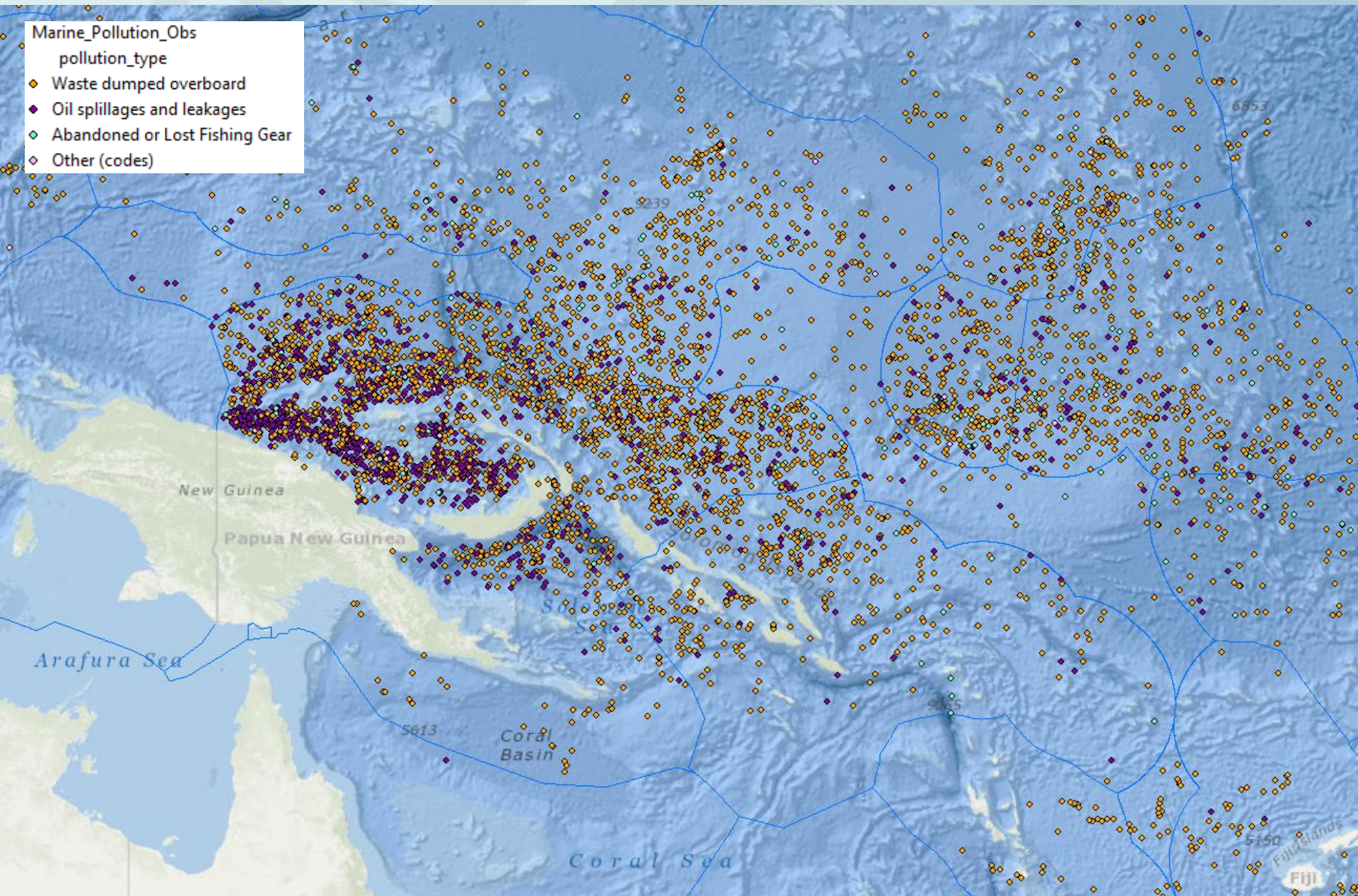
It is illegal for any vessel to discard any form of plastics into the sea at anytime.

It is illegal for any vessel to discard any form of oil into the sea at anytime.

It is illegal for any vessel to dump any form of rubbish into the sea within 12 nautical mile of the sea shore.

Observer Name	Put first name first, and your family name last.
Vessel Name	Record the full name of the vessel. Do not use any abbreviations.
Observer ID Number	Use the number assigned by the observer programme e.g. AA 03-01
Page of	Number all GEN-6 pages in sequence from the start until the end of the trip
Date of Incident (dd/mm/yy)	Date pollution seen in day, month and year. <i>Use ship's time as defined in other observer data collection forms</i>
Time (00.00 hrs)	Report the time using the 24hr clock.
Latitude / Longitude	Record the GPS position of the host vessel when the pollution was first seen.
EEZ / Harbour	Record the EEZ or, for shorebase staff, mark port or Harbour name here.
Wind Direction	The prevailing wind direction. Use degree eg. 90 degrees for an east wind
Wind Speed	Record the prevailing wind speed.
Sea Conditions	C- Calm, S- Slight, M- Moderate, R - Rough.
Current (knts and direction)	If the vessel has a current meter find out what the current strength is.
Observer's vessel activity	State the host (observer's) vessel activity at the time of the pollution incident. Some activities to consider might be: fishing; transshipping; bunkering; transiting; aground.
Name of offending vessel	Make an effort to record the complete and proper name of offending vessel. Be careful not to make any spelling mistakes which may make it difficult to prosecute the vessel if the report goes through legal proceedings.
IRCS	The international callsign is marked in large letters on the side of the boat.
Type of vessel	Consider the full vessel and aircraft codes on the front of Form GEN-1.
Your position from offending vessel.	Use the vessel compass to get direction of offending vessel from host vessel. The radar can be used to get an exact distance in nautical miles. Otherwise give best estimate and note if it is the observer's or someone else's.
WASTE DUMPED OVERBOARD	
Material	Tick each correct box to show which types of materials were dumped. Only tick two or more materials if vessel has dumped more than one material type over at the same time - e.g.: it dumped plastic and metal at 10:00hrs. If plastic was dumped at 10:00hrs and metal at 16:00hrs - record separately.
Describe type	Give as good a description as possible of the type of dumped material. E.g.: - plastic bags; bait boxes plastic strapping; bait boxes plastic bags; etc.
Describe Quantities	Give a best estimate of the amount dumped. Sometimes this will be easy - e.g., 12 metal oil drums were dumped. At other times the material might be too far away to see the amount. If it is too far away then estimate the amount as well as possible and make note that it is only a rough estimate at distance.
OIL SPILLAGES AND LEAKAGES	
Source	Tick to indicate where the spillage or leak came from
Visual Appearance / Colour	Describe the colour/ thickness/depth of the spill as well as able.
Describe Area and Quantity	Give a best estimate of the size of the spill. The boat could be a size reference - e.g.: it was 4 times bigger than the boat.
Abandoned or Lost Fishing Gear	
Lost during fishing	Lost by host vessel. Describe activity when gear lost (setting/hauling/soak)
Abandoned	For any fishing gear abandoned by another vessel and found by host vessel
Dumped	For any gear dumped by host vessel, see above.

Marine Pollution



User registration

- 1) Add new users
- 2) Add users to a group

Or use temporary account

Upload data to the national data portal

STEP 1: Create a dataset
+ Set the license level

STEP 2: Add Resources

- PDF
 - Geojson
 - Shapefile
 - Excel
 - CSV
- } Create visualization

STEP 3: Add Metadata

Difference Between Shapefile and GeoJSON File

Shapefile	GeoJSON
<p>Collection of files</p> <p><u>Mandatory files</u></p> <ul style="list-style-type: none">• .shp — shape format; the feature geometry itself• .shx — shape index format; a positional index of the feature geometry to allow seeking forwards and backwards quickly• .dbf — attribute format; columnar attributes for each shape, in dBase IV format <p><u>Other common files</u></p> <ul style="list-style-type: none">• .prj — projection format; the coordinate system and projection information, a plain text file describing the projection using well-known text format• .sbn and .sbx — a spatial index of the features	<ul style="list-style-type: none">• single, compact format• open standard format• data can be read by a greater number of software packages• More on http://geojson.org/

Example:

ENV_Marine_Pollution_Obs_data_v4.cpg
ENV_Marine_Pollution_Obs_data_v4.dbf
ENV_Marine_Pollution_Obs_data_v4.prj
ENV_Marine_Pollution_Obs_data_v4.sbn
ENV_Marine_Pollution_Obs_data_v4.sbx
ENV_Marine_Pollution_Obs_data_v4.shp
ENV_Marine_Pollution_Obs_data_v4.shp
ENV_Marine_Pollution_Obs_data_v4.shx

ENV_Marine_Pollution_Obs_data_v4_geojson.geojson

Create visualizations on the portal

- Preparing an Excel file to create a chart
- Using pivot tables in Excel
- Exporting the Excel file to a CSV
- Adding the CSV file to a dataset on the portal
- Creating a chart in the portal

TOP 3 SUGGESTIONS

to improve the
Data portal

Install QGIS version 2.18

Free and Open Source Geographic Information System

More on <https://qgis.org/>

- **Step 1:** check if your computer is running on a 64-bit or 32-bit operating system → go to Control Panel/System and Security/System type: check Operating System/Processor.
- **Step 2:** install the correct version from the flash drive

 QGIS-OSGeo4W-2.18.21-1-Setup-x86_64

 QGIS-OSGeo4W-2.18.23-1-Setup-x86_32

