

Filtering fishing activity

How do I filter fishing activity data by flag state or gear type?

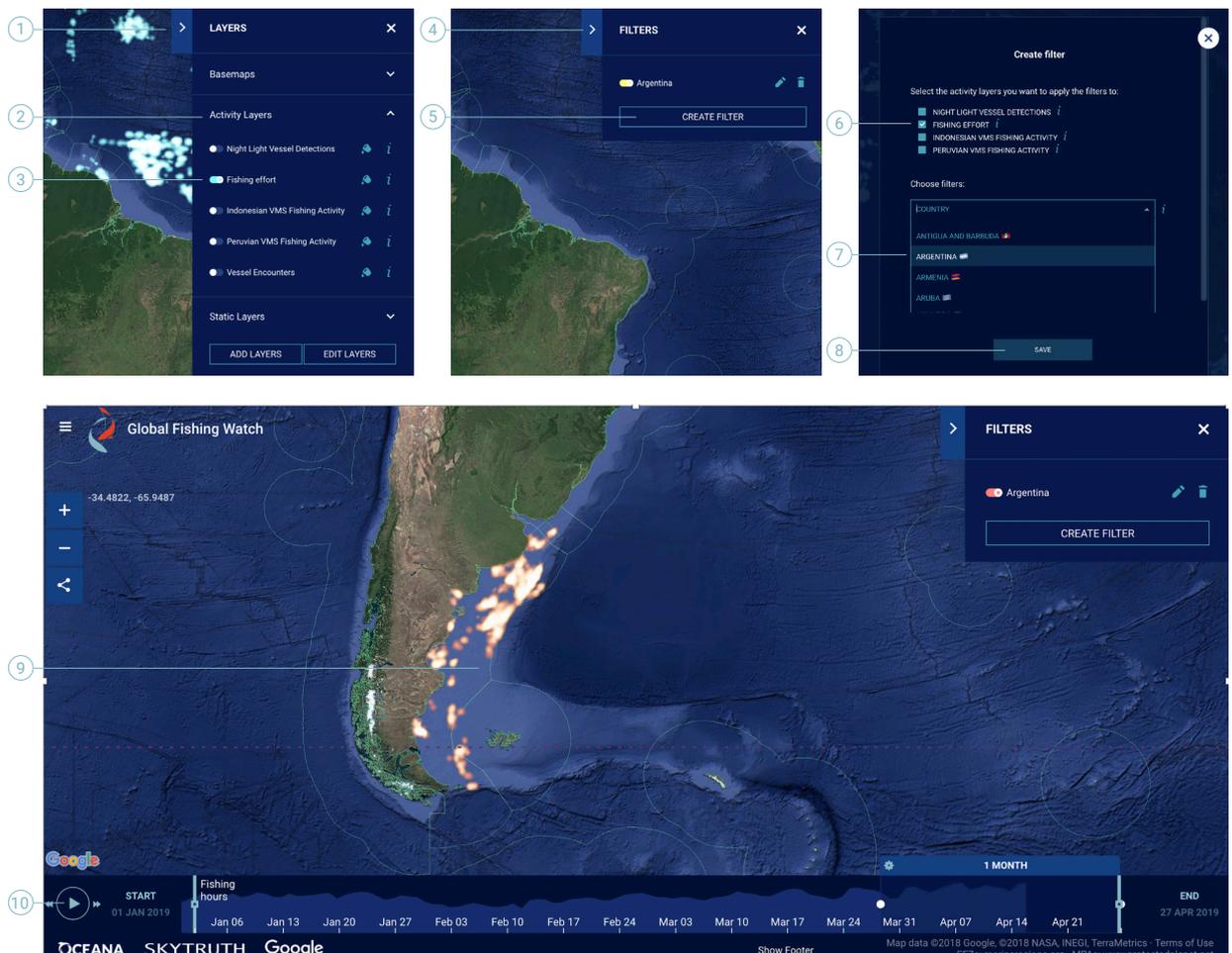
Each layer has unique attributes that can be used for filtering to see a subset of fishing activity.

Some of the filters that can be found are:

- Night Light Vessel Detections
 - Radiance range: Higher radiance ranges correspond to higher confidence detections.
 - Detection type: Options represent likely objects identified by VIIRS.

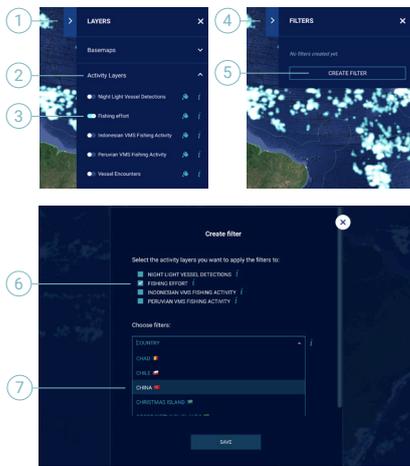
- Fishing Effort
 - Country: To filter AIS fishing effort data by country (flag state), choose the country or countries that you would like to view.
- [Country] VMS Fishing Activity
 - Country: Some countries require foreign nations that fish in their waters to use their VMS. In these cases, you can filter VMS data by country.
 - Registered gear type: To filter [Country] VMS activity by gear type, select the types of gear you are interested in from the dropdown menu.

Example: Filtering by flag state

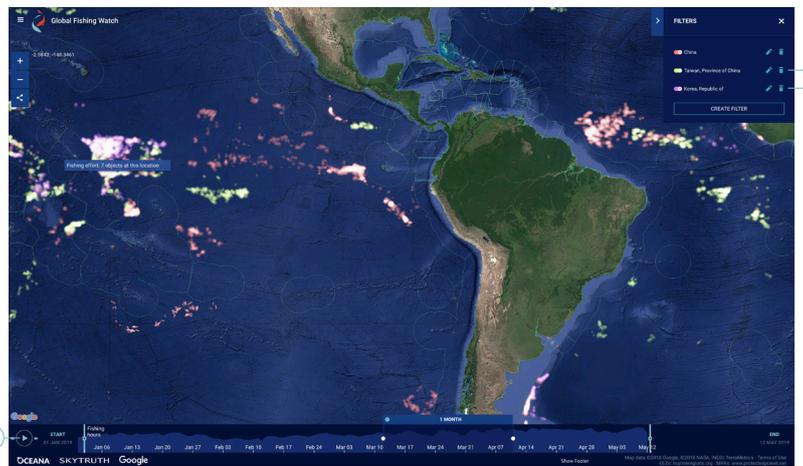


1. Click on 'Layers.'
2. Click on 'Activity Layers.'
3. Activate 'Fishing effort.'
4. Click on 'Filters.'
5. Click 'Create filter.'
6. Select 'Fishing effort.'
7. Select Argentina under 'Country.'
8. Click 'Save.'
9. Scroll around Argentina to view fishing activity from Argentine vessels.
10. Click play to view Argentine fishing effort over time.

Example: Comparing fishing activity between several countries



1. Click on 'Layers.'
2. Click on 'Activity Layers.'
3. Activate 'Fishing effort.'
4. Click on 'Filters.'



5. Click 'Create filter.'
6. Select 'Fishing effort.'
7. Select China under 'Country,' then hit save.
8. Repeat with Taiwan and Republic of Korea. Select a different color for each flag state.
9. Press play to view fishing activity of these three flag states.

Example: Filtering VMS data by gear type



- To filter with VMS data, make sure the VMS layer you are interested in is on, and other layers are off. You can filter for gear type under VMS data.
1. Click on 'Layers.'
 2. Click on 'Activity Layers.'
 3. Activate Peruvian VMS. Deactivate the other activity layers.
 4. Click on 'Filters.'
 5. Click 'Create Filter.'



6. Activate 'Peruvian VMS Fishing Activity.'
7. Select 'Peru' under country.
8. Select 'trawler' under gear type. Hit 'save.'
9. Create a second filter with 'Peru' under country and 'longline' as registered gear type. Click 'save.'
10. Create a third filter with 'Peru' under country and 'seiner' as registered gear type. Make sure your filters are displayed in different colors.
11. Set a start date of July 1, 2018 and end date of October 1, 2018.
12. Here you can see trawlers targeting hake on the north coast, and note the regional grouping of various fleets.