

Comisión Interamericana del Atún Tropical
Inter-American Tropical Tuna Commission



FAD data reporting established in Resolutions C-21-04 and C-19-01

Reporte de datos de FADs en relación a la Resolución C-21-04 y C-19-01

Background – *Antecedentes*

- **Resolution C-21-04**, requires CPCs, or their vessels, to report **daily information on all active FADs** following the specific data fields and **formats established in Annexes II-III-IV**, including:
- *La Resolución C-21-04 requiere a las CPCs, o sus buques, que reporten información diaria de todos los plantados activos siguiendo los campos de información y formatos establecidos en los Anexos II-III-IV, los cuales incluyen:*
 1. The **raw satellite buoy data** provided by the buoy manufacturers to the original users (i.e., vessels and vessel administrators), (Annex IV)
1. Datos brutos de las balizad satelitales proporcionados los fabricantes, a los usuarios originales (i.e., buques, administradores de flota) (Anexo IV)
 2. Information on **deactivations** (Annex II) and,
2. Información sobre desactivaciones (Anexo II), y
 3. Information on **remote reactivations**. (Annex III).
3. Información sobre reactivaciones remotas (Anexo III).

Background – *Antecedentes* (2)

- **Resolution C-19-01**, states that Beginning 1 January 2020, on all purse-seine vessels that carry an on-board observer, observers shall be responsible for collecting all the information on FADs, and the captain shall be required to provide the observer with the FAD identification code and, as appropriate, the other information in Annex 1 of Resolution C-18-05. **On purse-seine vessels without an observer aboard, the captain shall be responsible for recording the information on the FAD form developed by the IATTC staff.**
- The FAD form is available on the IATTC website.
- *La Resolución C-19-01 indica que, a partir del 1 de enero de 2020, en todos los cerqueros que lleven observadores a bordo, éstos serán los responsables de recolectar toda la información relacionada con los plantados, y el capitán tendrá la obligación de proporcionar al observador la identificación del plantado y, según proceda, la otra información señalada en el Anexo 1 de la resolución C-18-05. En los buques cerqueros que no lleven observador, el capitán será responsable de registrar la información en el formulario para plantados elaborado por el personal de la CIAT.*
- *El formulario está disponible en el sitio de internet de la CIAT.*

Summary of reported data under C-21-04 – general information

No. of files received for 2022 2023

Activation/Deactivation	104	786
Position	2471	2746
Biomass	2286	2404

By manufacturer 2023

Brand	Biomass	Positions
SatLink	487	552
MI	480	600
Zunibal	1319	1319

Few numbers

21,317,693 position records

49,105,678 biomass records

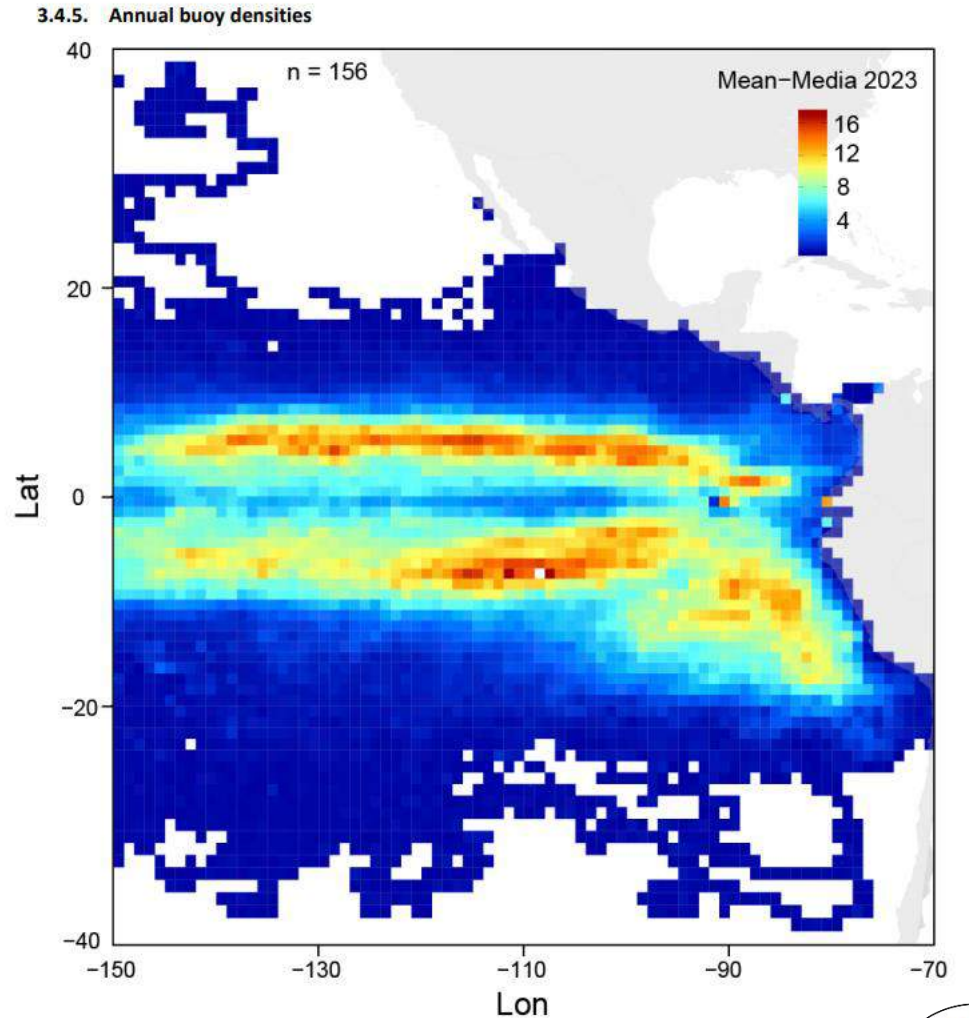
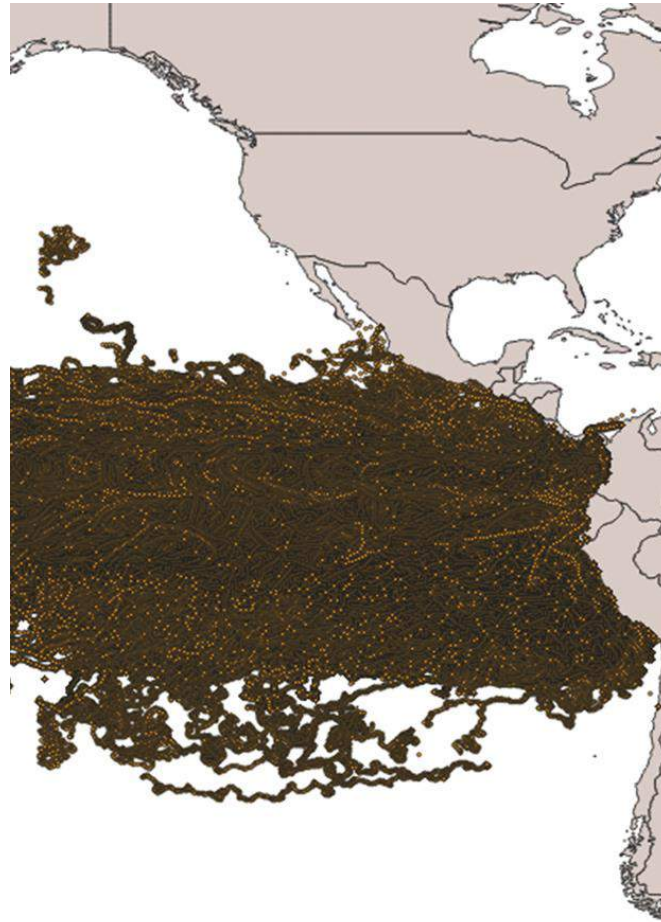
30,259 activation/deactivations records

~45K unique
buoys in 2023

Summary of reported data under C-21-04 – raw buoy data

Nb of reported distinct vessels by flag

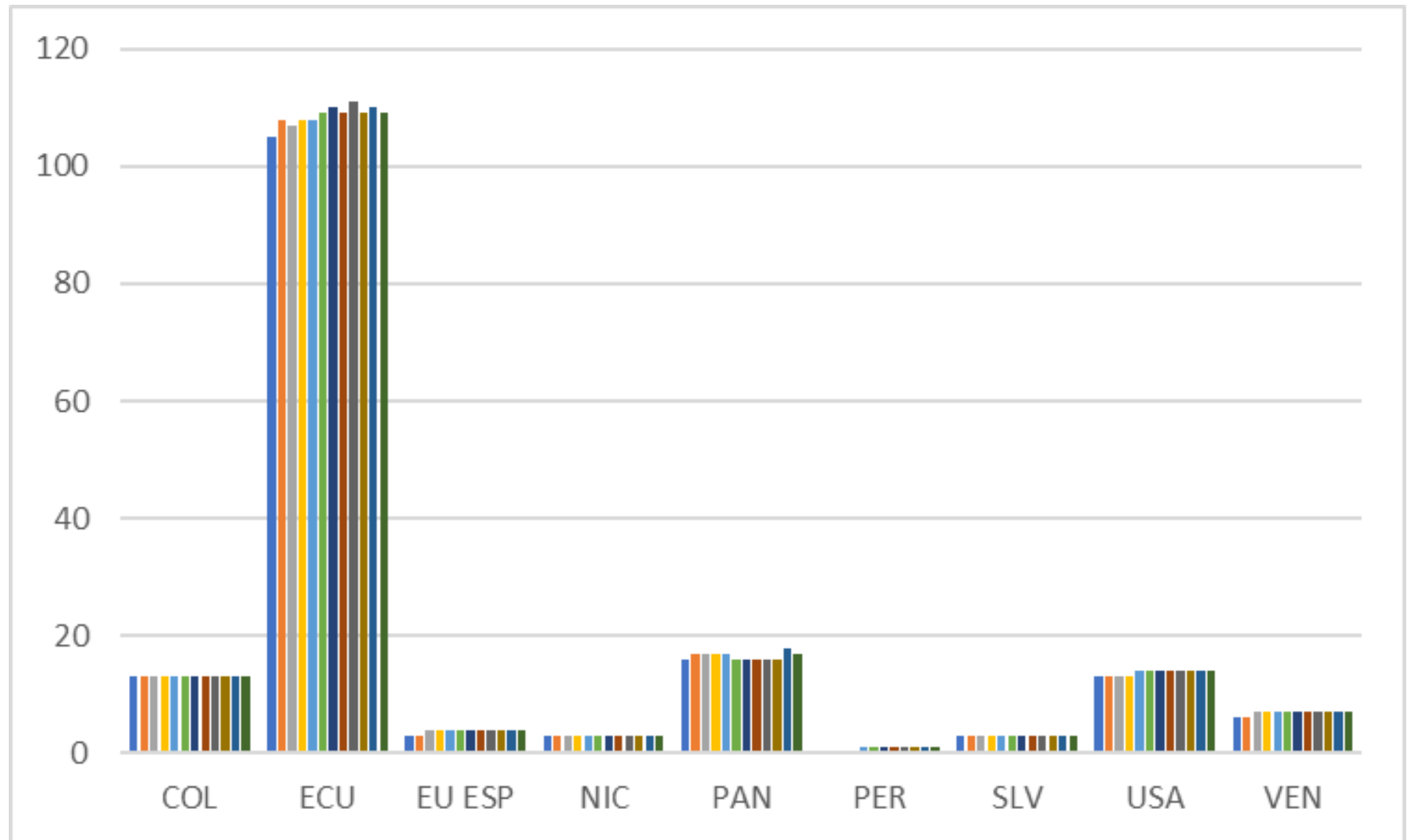
flag	No.
COL	13
ECU	111
EU (ESP)	4
NIC	3
PAN	18
PER	1
SLV	3
USA	14
VEN	7
Total	174



Summary of reported data under C-21-04 – raw buoy data

Nb of reported distinct vessels by flag

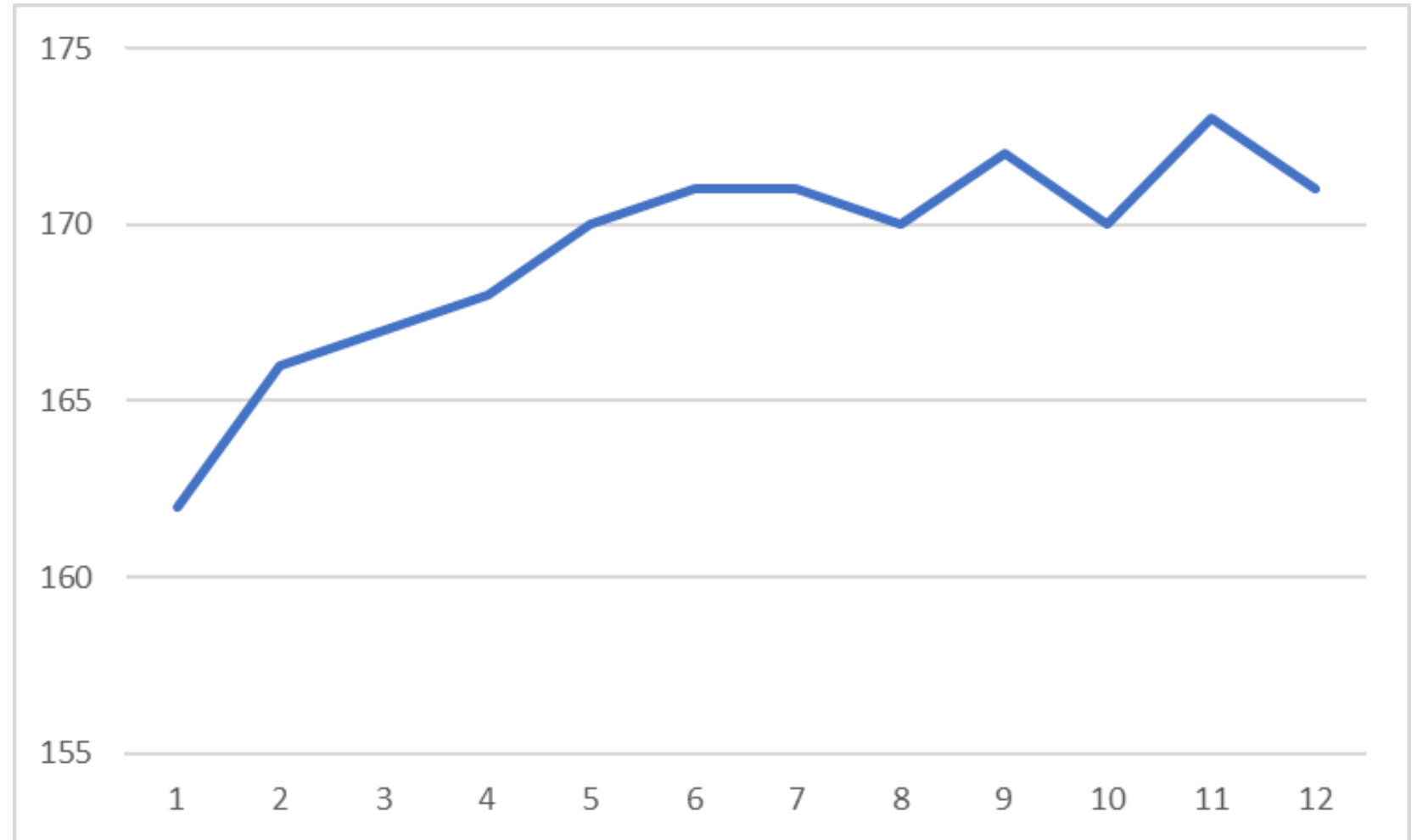
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Summary of reported data under C-21-04 – raw buoy data

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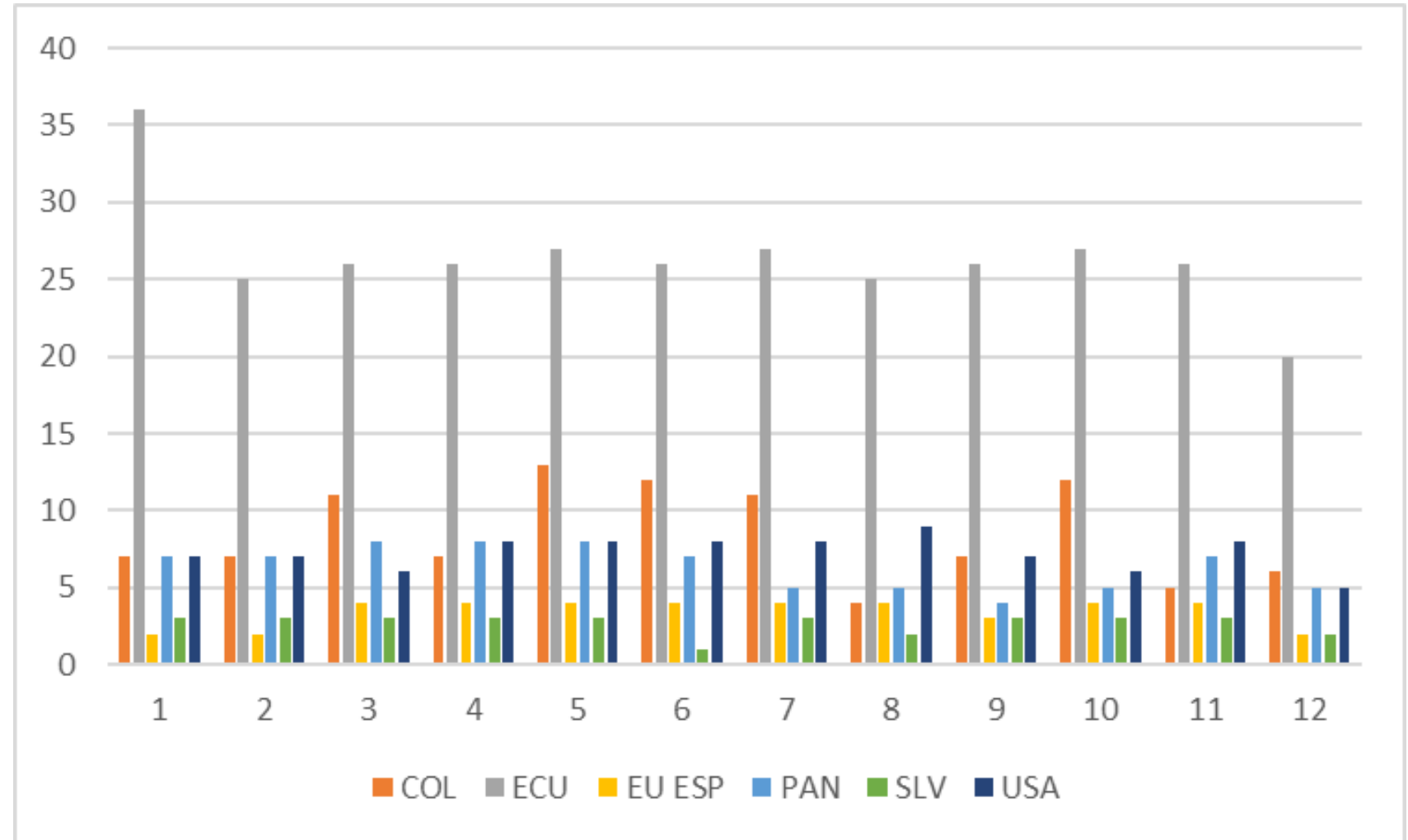
Summary of reported data under C-21-04 – deactivations/reactivations

Activations/Deactivations

Number of reported vessels by flag

Flag	Nb vessels
COL	13
ECU	42
EU	4
PAN	8
SLV	3
USA	9

Number of reported vessels: 79



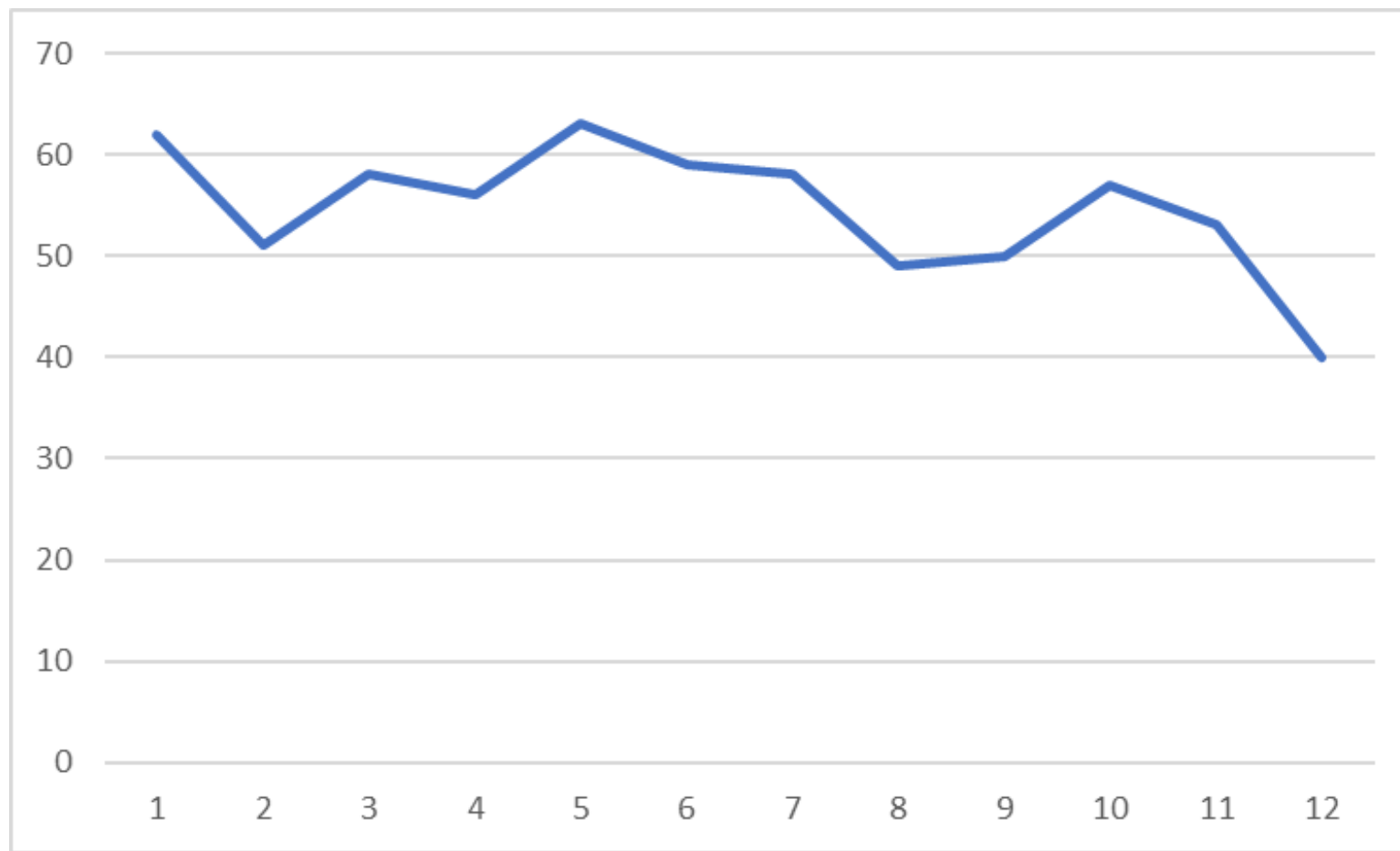
Summary of reported data under C-21-04 – deactivations/reactivations

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Summary of reported data under C-21-04 – deactivations/reactivations

Type of reasons on why buoys are being deactivated/reactivated

Activations/Deactivations

Number of reported vessels by flag

Flag	Nb vessels
COL	13
ECU	42
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Number of reported vessels: 79

Reason	Desc	Nb	Perc.
Deactivation			
D0	Other	2622	11%
D1	Signal loss	7191	31%
D2	Stolen FAD	4776	20%
D3	Beaching	106	0%
D4	Temporarily during closure periods	479	2%
D5	Transferred ownership	2084	9%
D6	FAD outside the areas (par. 20; c-21-04)	6257	27%
Reactivation			
R0	Other	1526	23%
R1	Recovery of a signal loss After a temporary deactivation during the closure	2524	38%
R2	period	243	4%
R3	Transfer of ownership	2379	36%

Summary of reported data under C-19-01 – FAD form

Buques clase < 6 – Vessels class < 6

	2017	2018	2019	2020	2021	2022	2023	
Tot	21	1	2	2	32	34	27	28

Buques clase 6 – Vessels class 6

	2017	2018	2019	2020	2021	2022	2023
Tot	0	1	0	19	30	13	0

Viajes clase < 6 – Trips class < 6

	2017	2018	2019	2020	2021	2022	2023
Tot	1	6	10	138	206	171	154
Repd			58%	10%	81%	76%	74%

Viajes clase 6 – Trips class 6

	2017	2018	2019	2020	2021	2022	2023
Tot	0	1	0	22	47	17	0

Nota: Viajes clase 6 sin obs. durante la pandemia – No incluye viajes clase <6 con observador
 Note: Class 6 trips without obs. during pandemic– Does not include trips for class <6 with observer

Summary of reported data under C-19-01 – FAD form

Viajes - Trips			Form. provistos - Provided forms			
Clase – Class			Clase - Class			% Enviado. - Reported.
< 5	5	Total	< 5	5	Total	
168	41	209	116	38	154	74

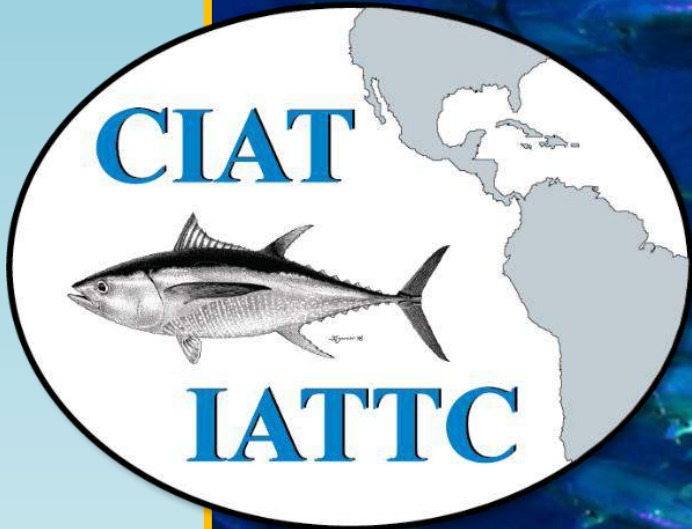
Nota: Viajes clase 6 – Sin obs. durante la pandemia – No incluye viajes clase <6 con observador

Note: Class 6 trips – Without obs. during pandemic– Does not include trips for class <6 with observer



Considerations-Consideraciones

- **In order to improve data collection**, the following considerations are made:
- *Con el propósito de mejorar la recolección de datos, se hacen las siguientes consideraciones:*
 1. Try to **standardize file naming** (a pattern is provided in Annex IV “X-YYYY-MM-ZZZZZZZZ.csv” where zzzzz is company) → would be better by vessel and using the vessel IMO or IATTC VN (not vessel name)
1. Intentar estandarizar el nombre del fichero (el Anexo IV habla de “X-YYYY-MM-ZZZZZZZZ.csv” , donde zzzzz es la compañía) → sería más conveniente por buque e identificarlo como el No, OMI o el de la CIAT (no el nombre)
 2. **Specify the brands** used by each vessel so tracking is easier,
2. Especificar las marcas de balizas usadas por cada buque para que el monitoreo sea más fácil,
 3. **Include, at a minimum, the ID of the vessel on empty files (i.e. files with no observations).**
3. Incluir, como mínimo, el ID del buque en aquellos ficheros vacíos (i.e. ficheros sin observaciones).
 4. Modify the buoy management software to automatize **buoy deactivation/reactivation reporting.**
4. Modificar los programas de gestión de boyas para automatizar el reporte de desactivaciones/reactivaciones.



Questions? / Preguntas?