

# Comisión Interamericana del Atún Tropical Inter-American Tropical Tuna Commission



Reporting mechanisms – Towards a unified data collection workflow

Mecanismos de información - Hacia un flujo unificado de recogida de datos

2º Taller en la mejora en la recolección y provisión de los datos: pesquería de cerco en buques pequeños, 18-20 Febrero, 2025

2<sup>nd</sup> Workshop on improvements in data collection and provision: small purse-seine fishery, 18-20 February 2025

# Reporting mechanisms – Towards a unified data collection workflow

## Mecanismos de información - Hacia un flujo unificado de recogida de datos

### Option 1 : Minimum standards and processes

- Use of already existing concepts, dictionaries to capture information – Provision of guidelines
  - CWP (Coordinating Working Party on Fishery Statistics)
  - Standardized metadata with clear definitions & common understanding of each field and its content
  - Harmonized units and formats
- Strengths
  - CPC can use their preferred format for data submission, flexibility
  - Quicker for CPCs with existing datasets
- Challenges
  - File structure can change over time, complexity to update
  - Specific script for each data provider, difficult to maintain
  - Fields can be missing or being different between providers
  - Still need to be sent and processed manually

### Opción 1: Normas y procesos mínimos

- Utilización de conceptos y diccionarios ya existentes para captar información - Elaboración de directrices
  - CWP (Grupo Coordinador de Trabajo sobre Estadísticas de Pesca)
  - Metadatos normalizados con definiciones claras y un entendimiento común de cada campo y su contenido
  - Unidades y formatos armonizados
- Puntos fuertes
  - Las CPC pueden utilizar su formato preferido para la presentación, flexibilidad
  - Más rápido para las CPC con conjuntos de datos existentes
- Desafíos
  - La estructura de los archivos puede cambiar con el tiempo, actualización compleja.
  - Script específico para cada proveedor de datos, difícil de mantener
  - Pueden faltar campos o ser diferentes entre proveedores
  - Todavía hay que enviarlos y procesarlos manualmente



# Reporting mechanisms – Towards a unified data collection workflow

## Mecanismos de información - Hacia un flujo unificado de recogida de datos

### Option 2: Fixed templates

- More rigid structure using Excel
- Based on existing concepts, with standards and guidelines
- Strengths
  - Only one template, easier to maintain
  - All mandatory fields must be provided to be valid
  - Easier to process, used in other organizations
- Challenges
  - Learning curve
  - Still need to be sent and processed manually
  - Difficult to update

### Opción 2: Plantillas fijas

- Estructura más rígida utilizando Excel
- Basada en conceptos existentes
- Puntos fuertes
  - Sólo una plantilla, más fácil de mantener
  - Todos los campos obligatorios deben proporcionarse para ser válidos
  - Más fácil de procesar, utilizado en otras organizaciones
- Desafíos
  - Curva de aprendizaje
  - Todavía hay que enviarlos y procesarlos manualmente
- Difícil de actualizar

TASK 1 - FLEET CHARACTERISTICS															Version	Language
ICCAT INTERNATIONAL COMMISSION FOR THE CONSERVATION OF ATLANTIC TUNAS															2022a	ENG
Statistical correspondent															Secretary use only	
Identification															Date reported	
Name															Reference No	
E-mail															File name (proposed)	
Phone															Filter 1	
Institution															Filter 2	
Department															a) 0 0	
Address															b) 0 0	
Country															c) 0 0	
Country															d) 0 0	
Data set characteristics															Notes	
Reporting line															Sub-form / Description	
Years covered (from)															V101A (by vessel)	
Years covered (to)															Individual fishing vessels with positive effort (active) in any of the ICCAT fisheries	
Version reported															V101B (by fleet)	
Content (data)															SMALL SCALE (DGA-GD) no active fishing vessels (ONLY fleet component submitted not fishing for DFT-C or SWO-M)	
Vessel attributes															Vessel activity in ICCAT Fisheries	
Vessel ID															Period	
ICCAT Serial Number															Total effort (OPTIONAL)	
Nat. Registry No (NIN)															Year (calendar)	
Internat. RCS															Fishing days (ATL)	
Vessel name (Latin)															Fishing days (MLD)	
Flag/VESIC															Fishery 1 (cod)	
PortZone															Fishery 2 (cod)	
Gear/GPCC															Fishery 3 (cod)	
LOAm															Fishery 4 (cod)	
Tnaga															Fishery 5 (cod)	
TonType															Fishery 6 (cod)	
Year															Fishery 7 (cod)	
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# Reporting mechanisms – Towards a unified data collection workflow

## Mecanismos de información - Hacia un flujo unificado de recogida de datos

### Option 3: Online forms and E-reporting apps

- Provides the opportunity for efficiently reporting significant information as well as to store data for download.
- Responsive apps which can be used on electronic devices
- Most complete solution for collecting information now
- Strengths
  - It is the future! Technology and infrastructure are ready
    - Pictures, GPS, signatures, etc...
  - Update to the forms are done automatically
  - Real time data collection and data validation, no need for back-and-forth interactions
  - Safer data submission and central repository
  - Availability of the data on both ends

### • Challenges

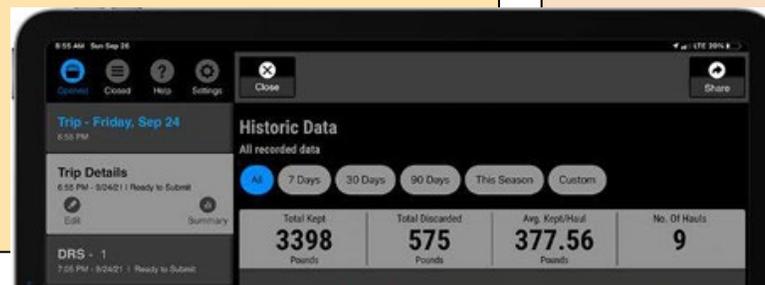
- More complex to implement
- Learning curve

### Opción 3: Formularios en línea y aplicaciones E-reporting

- Ofrece la oportunidad de notificar de forma eficiente información significativa, así como de almacenar datos para su descarga.
- Aplicaciones con capacidad de respuesta que pueden utilizarse en dispositivos electrónicos.
- La solución más completa para recopilar información en la actualidad
- Puntos fuertes
  - Es el futuro. La tecnología y la infraestructura están preparadas
    - Fotos, GPS, firmas, etc..
  - La actualización de los formularios se realiza automáticamente
  - Recogida y validación de datos en tiempo real, sin necesidad de interacciones de ida y vuelta
  - Presentación de datos más segura y repositorio central
  - Disponibilidad de los datos en ambos extremos

### • Desafíos

- Aplicación más compleja
- Curva de aprendizaje



# Reporting mechanisms – Towards a unified data collection workflow

## Mecanismos de información - Hacia un flujo unificado de recogida de datos

### Recommendations for data submission

#### Processes indicated in the resolutions

##### Short term:

- Option 2: Use of strict templates
  - Unified structure
  - Mandatory fields
  - Quicker to implement

##### Long term:

- Option 3: Use of e-reporting apps
  - Most advanced way of collecting data
    - Reliable, quicker, safer
  - Availability of the data to the data provider
    - Data visualizations, reports
  - Ease the data reporting burden on both ends

### Recomendaciones para la presentación de datos

#### Procesos indicados en las resoluciones

##### A corto plazo:

- Opción 2: Uso de plantillas estrictas
  - Estructura unificada
  - Campos obligatorios
  - Aplicación más rápida

##### A largo plazo:

- Opción 3: Uso de aplicaciones de notificación electrónica
  - La forma más avanzada de recopilar datos
    - Fiable, más rápida, más segura
  - Disponibilidad de los datos para el proveedor de datos
    - Visualización de datos, informes
  - Alivio de la carga de notificación de datos en ambos extremos