

# FAO Effort on Combating Abandoned, Lost or Otherwise Discarded Fishing Gear (ALDFG)



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#### ALDFG – What Is It?

- ALDFG: Abandoned, Lost or otherwise Discarded Fishing Gear
- Significant component of marine litter
  - Impact on ecosystem and wildlife
  - Navigation and safety hazard
- Causes of ALDFG include:
  - Bad weather, gear conflicts
  - Too much gear for the vessel/crew
  - Snagging on living and inert structures
  - Operator error, abandonment
  - IUU Illegal, Unreported and Unregulated fishing
- Currently no reliable global estimates of ALDFG
- FAO published a Technical Paper on ALDFG in 2009





## International Instruments Recognizing the Need to Address ALDFG and to Mark Fishing Gear

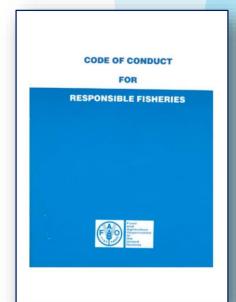
- MARPOL Annex V 73/78 Prevention of disposal of garbage from ships
- FAO Code of Conduct for Responsible Fisheries (1995) Fishing gear should be marked
- International Guidelines on Bycatch Management and Reduction of Discards (FAO 2011) - reducing the impact of lost fishing gear.
- Agreement of Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (2009)
- UNGA Resolution A/RES/70/1 on Sustainable Development Goals (2015) - Sustainable Development Goal 14.1: Prevent and significantly reduce marine pollution of all kinds, including ALDFG

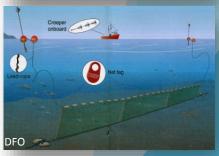




## **Marking of Fishing Gear**

- The Code of Conduct for Responsible Fisheries (FAO 1995) states:
  - Fishing gear should be marked so that the owner of the gear can be identified
  - Marking requirements should take into account internationally recognizable gear marking systems
- Potential Benefits of Marking Fishing Gear
  - Assist in the prevention of gear loss and ghost fishing
    - Less marine litter
  - Reduce time spent trying to recover lost gear
  - Help the recovery of lost gear
  - Enhance the ability to apply fisheries regulatory measures, including those for the control of fishing capacity and the prevention of IUU









### **FAO Progress on Gear Marking**

- The first Expert Consultation on the Marking of Fishing Gear took place in July 1991 in Sydney, British Columbia, Canada
- The recent Expert Consultation on the Marking of Fishing Gear took place in April 2016 at FAO
- The outcome was **Draft Guidelines on Marking of Fishing Gear** for consideration for COFI 32 (2016)
- COFI 32 endorsed the work and mandated further development of the Draft Guidelines via **Technical** Consultation
- COFI 32 also encouraged FAO to conduct pilot projects to facilitate the implementation of these guidelines:
  - Pilot project on gillnet (Indonesia)
  - Pilot project on Fish Aggregation Devices (FADs) (Global)









### What Kind of Gear Marking System Is Needed?

#### System that is simple and affordable

- > Easy identification of ownership, fishery of origin, and position of gear
- Easily attached or embedded to fishing gear
- Easily recognizable and identifiable
- Acceptable cost to implement

#### System that is flexible

- Dependent on risk assessment
- > Tailored to different fisheries, including small scale fisheries, and developing countries
- Utilizing emerging technologies



www.ellsworthamerican.com



Patton and Cromhout, 2011





### **Managing Life Cycle of Fishing Gear**

- Gear marking is part of the solution to combat ALDFG
- ALDFG mitigation should include measures that prevent gear loss, prohibit discards and abandonment, mitigate impact, and remove existing ALDFG, especially from sensitive and productive areas
- The entire life cycle of fishing gear manufacture and use has to be addressed
  - Gear material manufacture
  - Gear design and fabrication
  - Storage on land and aboard vessels
  - Use, recycle, and disposal
- ALDFG must be recognized in the context of the SDGs, particularly in relation to sustainable fisheries, biodiversity and food security.
- FAO Guidelines on the Marking of Fishing Gear, once ready, should be promoted by the Regional Seas Programs, RFMOs and RFBs,









## **Pilot Projects**

#### Currently x2 official FAO funded projects

- Gillnets in Indonesia (project managed by World Animal Protection/Global Ghost Gear Initiative
  - Initial planning workshop
  - > Field trials of gear marking methods
  - Establishment of gear marking system and lost gear reporting system
  - Use of surveys with fisheries to assess behaviours and attitudes
  - Partners include: Indonesian government, fisheries research institutions, Universities, NGOs
- > FADs (globally) project managed by Safina Centre
  - Global feasibility study via worldwide survey of purse seine industry and their stakeholders

#### Other projects also testing Draft Guidelines and best practice

i.e. via Global Ghost Gear Initiative <a href="https://www.ghostgear.org">www.ghostgear.org</a>



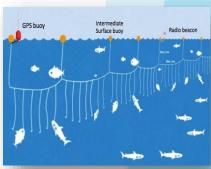
#### **Pilot Projects**

- Provide practical case studies to demonstrate the implementation of the Draft Guidelines on the Marking of Fishing Gear
- Provide information relating to the application of gear marks for different types of gear
- Provide practical case studies to demonstrate the implementation of other forms of fishing gear management and operations best practice
- Gather feedback that can be used to further refine the guidelines
- Enhance technical understanding
- Include capacity building elements
- Raise awareness of ALDFG and its prevention and mitigation
- Collaboration with relevant partners



## FAO's Future Work on Gear Marking and **Combating ALDFG**

- Holding of FAO Technical Consultation on Marking of Fishing **Gear** in February 2018 at FAO to elaborate and finalize the Guidelines
- Adoption of the International Guidelines by the FAO Committee on Fisheries (COFI 33) in July 2018
- FAO Guidelines on the Marking of Fishing Gear became a part of Code of Conduct for Responsible Fisheries, and incorporated into action plans and implemented by governments and relevant RFMOs
- Collaborate with States and other relevant organizations to develop capacity for gear marking systems and recycling of old and unusable fishing gear
- Develop better estimates of a **global ALDFG baseline quantity** and monitoring mechanisms



Modified from: www.kanuhawaii.org







## FAO Collaboration with Other Organizations on ALDFG and Marine Litter

- Global Partnership on Marine Litter (GPML)
  - Collaboration with UNEP, IMO and others
  - FAO focus: reduced levels and impact of sea-based sources of marine debris
  - Technical advice to the GPML on the impacts of marine pollution on fisheries and aquaculture
- Global Ghost Gear Initiative (GGGI)
  - Information exchange
  - Pilot projects and workshops
- Fishing Industry, including gear manufacturers
  - Advice on practical gear marking means and methods
  - Engagement through workshops and projects
  - Encouraging new innovations and technologies in gear marking and retrieval of existing marine litter and ALDFG



GLOBAL GHOST GEAR INITIATIVE



#### **Thank You**

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