

**Guidance, extension and educational activities for mitigating interactions  
with ecologically related species in longline fishery**

Kosuke Yokota, and Hiroshi Minami

National Research Institute of Far Seas Fisheries, Fisheries Research Agency, Japan

**はえ縄漁業における生態系関連種との競合を軽減するための  
普及，啓発，教育活動**

横田耕介・南 浩史

独立行政法人 水産総合研究センター 遠洋水産研究所

Guidance, extension and education programs have been carried out in Japan to improve the awareness of fishermen, fishing industry and citizens concerning the interactions of shark, seabird and sea turtle takes in tuna longline fishery. The Fisheries Agency, the National Research Institute of Far Seas Fisheries, Global Guardian Trust (GGT) and tuna fishing industries have held seminars for fishermen, ship owners and staff of fisheries high schools to explain the importance of mitigating fishery interactions with ecologically related species. Following materials were used in the educational activities;

- (1) Posters for identification of pelagic sharks
- (2) Identification Sheets for pelagic sharks
- (3) Identification Sheets for seabirds (North Pacific and Southern Ocean editions)
- (4) Pamphlets for educating incidental catch of seabirds and its avoidance
- (5) Field guide of pelagic species observed in longline fishery
- (6) Guide book of National Plan of Action for seabirds and sharks
- (7) Identification Sheets for sea turtles
- (8) Rescue Manual for sea turtles taken in longline fishery
- (9) Cartoons ('manga') explaining mitigation of incidental catch of seabirds
- (10) Video program (VHS and DVD) for educating how to avoiding incidental catch of seabirds and sea turtles in longline fishery

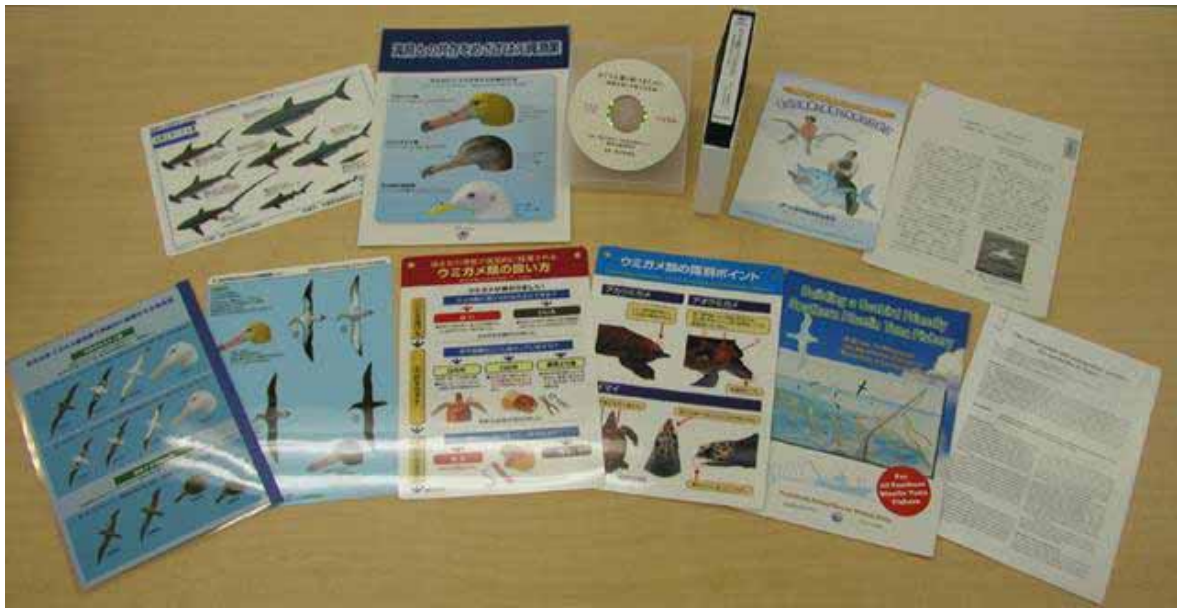
During interim between 5<sup>th</sup> ERS and 6<sup>th</sup> ERS of CCSBT, we newly made a cartoon booklet and a video program at above cited (9) and (10) which explain the importance of mitigating incidental catch of seabird and sea turtles to continue fishing activities. The cartoon is provided in Japanese as well as Indonesian. The video particularly has been well-received among fishery-related parties, and won an encouraging prize in the 47<sup>th</sup> Japan industrial video

contest. We plan to make English edition of the video.

水産庁、遠洋水産研究所、(社)自然資源保全協会(GGT)、およびまぐろ漁業業界では、まぐろ延縄漁業におけるサメ類・海鳥類の混獲について、一般漁業者に対して以下の出版物によって啓蒙・普及活動を行ってきた。

- (1)サメ識別ポスター
- (2)サメ識別下敷きシート
- (3)海鳥識別下敷きシート(北太平洋版、南大洋版)
- (4)海鳥混獲の啓蒙普及パンフレット
- (5)外洋に出現する生物識別ガイドブック
- (6)海鳥・サメに関する国内行動計画ガイドブック
- (7)ウミガメ識別シート
- (8)ウミガメレスキューマニュアル
- (9)海鳥混獲とその削減方法の啓蒙普及漫画
- (10)海鳥・海亀の混獲問題とその削減方法の啓蒙普及ビデオ

みなみまぐろ保存委員会・第5回生態系関連種作業部会以降には、海鳥や海亀の混獲問題とその削減方法を啓蒙・普及するための漫画とビデオを新たに製作した(上記(9)、(10))。漫画は、日本語版と共にインドネシア語版を製作した。また、ビデオは好評を得、第47回日本産業ビデオコンクールで奨励賞を受賞した。なお、このビデオの英語版の製作を検討している。



Examples of materials used in the educational activities.



Some images of the educational video.