



**TO ALL COMMISSION MEMBERS, COOPERATING NON-MEMBERS,
PARTICIPATING TERRITORIES AND OBSERVERS**

**Circular No.: 2021/80
Date: 25 August 2021
No. pages: 03**

SPC's Notification of a Seminar Announcement on Close-Kin Mark-Recapture

Dear All,

As requested, I forward an SPC's official circular on a seminar announcement introducing the Close-Kin Mark-Recapture technology. This seminar is a non-technical introduction to Close-Kin Mark-Recapture, which will be held at **11:00-12:00 (Pohnpei time, GMT+11) on Friday, 1 October 2021 with no required registration.**

Please contact Dr Simon Nicol (SimonN@spc.int) if you have any questions.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Feleti Teo", is positioned above the typed name.

**Feleti Penitala Teo, OBE
EXECUTIVE DIRECTOR**

25/09/2021

Subject: Seminar Announcement

**A Non-technical Introduction to Close-Kin Mark-Recapture and
its Potential Application to WCPFC Tuna Stocks
Zoom Meeting
11:00-12:00 (Pohnpei time, GMT+11) on Friday, 1 October 2021**

Dear WCPFC members and participants,

Close-Kin Mark-Recapture (CKMR) is a rapidly developing technology that has the potential to transform several stock assessments prepared for the WCPFC tuna stocks. The Science Committee has been discussing its potential use over the past few years and is currently undertaking a study to assess its feasibility for South Pacific Albacore. To help ensure that we have a good understanding of the technology and its applications, **Dr Mark Bravington** (CSIRO Oceans and Atmosphere, Hobart, Australia) has offered to provide a non-technical introductory seminar. This will be the first in a series of seminars to be held over the next 12 months to build our capacity for this technology. Dr Bravington is a globally recognised fisheries analyst and is the original developer of this technology. He has been actively involved in many applications of CKMR globally. The seminar will be conducted via zoom (the link details are below) on 1st October 2021, commencing at 11am (Pohnpei time). Please share this link with whomever you think may benefit. Note that there is no requirement for registration.

This seminar is a non-technical introduction to Close-Kin Mark-Recapture: a powerful assessment technique that can deliver "fishery-independent" estimates of key quantities for management – absolute abundance, mortality rates, fecundity-at-size – just from biopsy-sampling a small fraction of catches. CKMR has now been used successfully on several commercial fish species, and in principle, appears suitable to key tuna species in WCPFC; success will, however, depend on careful sampling design and smooth logistics for collecting sufficient samples required. Here, we will explain the principles of CKMR, highlight its considerable advantages (including low cost) over conventional Mark-Recapture and other sources of assessment data, and go over its broad requirements. More details on particular species and on technical issues will be given in subsequent presentations.

Yours sincerely,



Dr Graham Pilling
DEPUTY DIRECTOR
FISHERIES AQUACULTURE AND MARINE ECOSYSTEMS DIVISION

Topic: WCPFC Seminar: Close Kin Mark Recapture

Join Zoom Meeting

<https://spc.zoom.us/j/93845338838?pwd=SytWblFsUEVCVUJrTEU1RFI3emhsZz09>

Meeting ID: 938 4533 8838

Passcode: 921510

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877 853 5257 US Toll-free

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