



Draft work plan of Asia Pacific Marine BON (AP-MBON) for three years 2019 to 2021

"Networking networks and revive past activities"

"Facilitate broad scale researches and production of infrastructure"

" Feasibility to obtain data of recent issues : ecosystem services and debris"

"Outreaching and increase communication of people"

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*Networking networks and revive past activities to observe temporal changes

- There are several ongoing research programs focusing on networking among locations in Asia Pacific area. It was especially abundant in coral triangle. Considering such condition major activity of Marine part of the AP-BON (AP-MBON) on the next three years should be focus on listing up and linking existing program and research network. It will also include reviewing and comparing results and existing datasets in this area.
- Considering existing member of AP-MBON it is also encouraged to have funding to revive previous census network such as NaGISA to observe temporal dynamics of biodiversity. Changes of biodiversity in temporal scale and local developments are expected out come in the era of rapid development of this area and rising global temperature.
 - Mapping existing monitoring or core study sites and review gaps
 - Adding data into new quantitative format of Darwin Core if there is any update facilitate them to publish and upload

*Facilitate broad scale researches and production of infrastructure

- Considering past activity of the terrestrial group of the AP-BON, facilitation of broad scale researches considering changes in terrestrial area should be focused.
- For that purpose, it is expected to extract distribution of foundation species more accurately than what previously done. For example, we are expecting extraction of distribution of ecosystems from literatures including which published in local languages. We also expecting extraction of distribution of ecosystems and evaluation of habitat status using recent remote sensing technics using recent technics such as deep learning and drones. Extending areas for these analyses obtaining extra funding also encouraged.
- After achieving large scale dataset, we will expect to evaluate status of those ecosystems in certain area or broad scale analysis.
 - Update map of seagrass, algae and coral reefs using RS and literature
 - Building GIS database
 - Modelling distribution including terrestrial variables

*Feasibility to obtain data of recent issues ecosystem services especially about usage data of people and marine debris especially microplastics

- Considering recent increase on evaluation of ecosystem service our network also expected to have trial to evaluate values in ecosystem services. The service will include from fishery products, carbon storage, coastal protection and usage data of the ecosystem as example. The data type will be usage data written in statistics and field survey which testing feasibility to observe usage by different ways such as interview, observation and web questionnaire as example. Digging data in local reports are also encouraged. After achieving trial data, it is also expected to evaluate feasibility to evaluate ecosystem by different aspect.
 - Expecting output of S15 PANCES for Japan and any additional works start in any countries.
 - Expecting output of project about microplastic in JAMSTEC and any additional works in any countries.

*Outreaching and increase communication of people

- Achieving capacity building using AP-BON network is expected. Capacity building will be from citizen, government and researches. Communication with national agency also encouraged not only from the aspect of the outreaching but also application of our outcomes and fundraising.
- Our main objective about networking also expected to help to listing up the information about training opportunity in related conferences, university open classes, seminars and workshops.
- Considering this area helping communication of different languages are also important. Not only translation of picture books and methodological information but also use of easy understanding images such as pictures, info graphics and cartoons are also encouraged.
 - Listing up existing seminars, open courses and conferences
 - Any funding to write simple Picture Book ?