Schedule for the 5th NOWPAP training course on remote sensing data analysis ("Zoom" will be used)

Webinar 1

Mapping seagrass by optical sensors

Day	**Time (JST)**	**Program**	**Lecturers**
Nov 30	14:00 - 14:10	Introduction and housekeeping	Makoto Hayashi and Genki Terauchi
	14:10 - 14:50	Seagrass beds and its ground truthing (L) **40 mins**	Teruhisa Komatsu
	14:50 - 15:10	Case study in Nanao Bay and demonstration of Seagrass Mapper (L) **30 mins**	Genki Terauchi
	15:30 - 17:00	Hands on exercise for uploading training data set using Seagrass Trainer (H) **90 mins**	Genki Terauchi
Dec 1	14:00 - 14:40	Theory of detecting seagrass by remote sensing and basics of image classifications and accuracy assessment (L) **40 mins**	Tatsuyuki Sagawa
	14:50 - 15:40	Preparation of training data sets from ground truth (H) **50 mins**	Akira Kozuka & Genki Terauchi
	15:50 - 16:50	Classification of satellite images and accuracy assessment (H) **60 mins**	Genki Terauchi
Dec 2	14:00 - 15:30	Hands-on for preparing training data and classification (H) **90 mins**	All together
	15:40 - 16:30	Wrap up and Q&A **50 mins**	Genki Terauchi and Tatsuyuki Sagawa

(L) Lecture

(H) Hands-on exercise

Webinar 2

Monitoring and assessment of water quality by ocean color remote sensing

Day	**Time (JST)**	**Program**	**Lecturers**
Dec 14	14:00 - 14:10	Introduction and housekeeping **10 mins**	Makoto Hayashi and Genki Terauchi
	14:10 - 14:50	Introduction to satellite biological oceanography and ocean color remote sensing (L) **40 mins**	Joji Ishizaka
	15:00 - 15:50	Application of ocean color products (H) **50 mins** Introduction to the global eutrophication watch	Eligio Maure
	16:00 - 17:00	Working with satellite swath imagery (H). **60 mins** Introduction to the online match-up tool	Eligio Maure
Dec 15	14:00 - 14:40	Application of ocean color products (L) **40 mins** Introduction to eutrophication and Harmful algal blooms (HABs)	Wonkook Kim
	15:00 - 17:20	Time-series analysis (H) **90 mins** i)Browse and download NOWPAP-Marine Env. Watch data ii) Generate monthly composites from daily images iii) Create animations from monthly images	Eligio Maure
Dec 16	14:00 - 15:40	Time-series analysis (H) **90 mins** i) Extract annual max from monthly images ii) Extract point/region of interest iii) Perform trend detection	Eligio Maure
	15:50 - 16:50	Wrap up and Q&A **60 mins**	Eligio Maure and Genki Terauchi

(L) Lecture

(H) Hands-on exercise