

IOCS-2019 Breakout Workshop 3 : High Temporal/Spatial Resolution Applications

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Agenda

High-Temporal Resolution Capabilities Discussion

14:00 Overview (Antonio Mannino, Wonkook Kim)

14:10 Questions (Joe Salisbury, Maria Tzortziou, Chuanmin Hu, ZhongPing Lee)

1. How can existing or planned, high-temporal resolution observational capabilities be utilized in the study of the open ocean and its margin systems?

- o Successful utilization of current or planned high-temporal resolution observations
- o New science enabled by high-frequency ocean color observations.

2. What challenges, limitations or uncertainties are associated with the usage of high-temporal remote sensing observations and what gaps exist in current or planned remote sensing infrastructure?

High-Spatial Resolution Capabilities Discussion

14:50 Overview (Arnold Dekker)

15:00 Questions (Maria Tzortziou, Nima Pahlevan, Joe Ortiz, Chuanmin Hu, ZhongPing Lee, Eric Hochberg)

1. How can existing or planned, high-spatial resolution observational capabilities be utilized in the study of aquatic margin systems?

- o Successful utilization of current or planned high-spatial resolution observations
- o New science enabled by high-spatial resolution coastal, estuarine, ice edge and inland aquatic data.

2. What challenges, limitations or uncertainties are associated with the usage of high-spatial resolution remote sensing observations and what gaps exist in the current or planned remote sensing infrastructure?

Combined High-Spatial/High-Temporal Resolution Capabilities

1540 Overview ([Maria Tzortziou](#))

1550 Questions ([Arnold Dekker](#), [Nima Pahlevan](#), [Joe Ortiz](#), [Chuanmin Hu](#), [ZhongPing Lee](#), [Eric Hochberg](#), [Joe Salisbury](#), [Antonio Mannino](#), [Wonkook Kim](#))

1. What applications can be better achieved by combining high-temporal and high-frequency data?
2. Can high-temporal and high-spatial resolution observations be fused into a single product?
3. Attention to what common attributes help promote interoperability of high-temporal or high-spatial resolution remote sensing products and what are common end-user objectives and requirements?