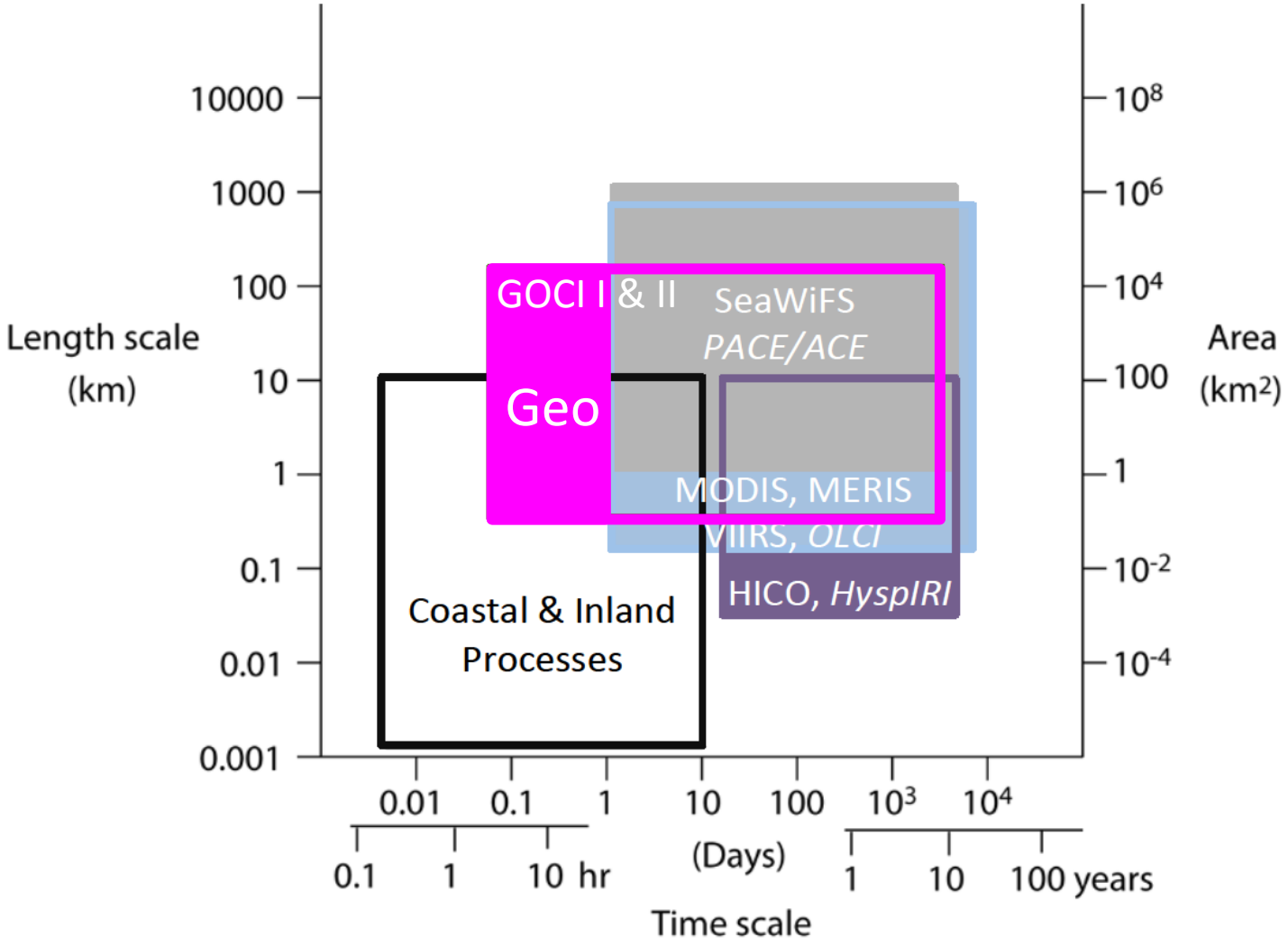
# Introduction to Geostationary Ocean Colour Breakout Session

# Time & Space Scales of OC Relevant Missions




Improved spatial coverage is another important distinction of Geo

*from Mouw et al. 2015, Remote Sens. Environ*

# Session Organization

- Part I presentations
- Part I Panel Discussion
  - Speakers for Part I will serve as the panel
- Part II presentations
- Coffee break
- Part II Panel Discussion
  - Speakers for Part II will serve as the panel
- Part III presentations
- Part III Panel Discussion
  - Speakers for Part III will serve as the panel

Please hold your questions/comments for the panel discussion

# Session Topics

- Part I: The unique science and applications value of Ocean Colour observations from a geo-orbit
- Part II:  Key issues and challenges to resolve for successful application of geostationary Ocean Colour data
- Part III:  Existing and future GEO OC sensors, challenges and next steps forward: Towards achieving a quasi-global geostationary OC constellation

# Questions to Address

- What are the unique science and applications of OC observations from a geo-orbit?
- What are the advantages of geo OC in combination with OC from polar orbiting sensor?
- What are the minimum requirements to achieve a quasi-global geo OC constellation?
- What approaches in atmospheric corrections and improvements in BRDF, sun-sensor geometry, etc. are necessary to permit detection of diurnal variability in OC products?
- What process measurements and new products are enabled or improved from a geo OC sensor?

# New IOCCG Working Group on Geo?

- Share information to promote a “quasi-global” geo Ocean Colour constellation within scientific community and space agencies.
- Compile field data sets and simulated geo sensor data relevant to Geo OC science and challenges (atm. corr., BRDF, etc.).
- International collaboration on geo applications with GOCI-I and -II and non-OC sensors (geo weather sats.)