



EUROPEAN COMMISSION
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AERONET expansion

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How and where setting up new sites?

AERONET-OC expansion should mostly include sites fulfilling the following requirements:

- Fixed deployment platforms to allow for accurate pointing
- Relatively deep waters to minimize bottom perturbations
- Deployment configurations minimizing superstructure perturbations
- Away from land to minimize adjacency effects in remote sensing data

However the scarcity of coastal/offshore deployment structures, limits imposed by logistics, and maintenance costs suggest including within AERONET-OC any “suitable site” whose handling is endorsed by interested institutions.

Recommendation is provided to extend the network to:

- Under-represented bio-optical regions in any part of the globe
- Southern and Asian Seas.

Protocols and Algorithms revision

The primary objective of AERONET-OC is to produce traceable, globally-distributed, continuous, cross-site consistent, accessible measurements to support ocean color validation activities at several coastal sites in a variety of waters.

This suggests attention to robustness of the various network components rather than a continuous search for innovation.

Whatever are the proposed Protocols and Algorithms Revisions, they must be well tested, stressed and documented before becoming part of the network.

Changes under consideration are:

- Implementation of self-adjustable viewing geometries (Lucinda need) ?
- Implementation of advanced *brdf* corrections (see Zhongping talk) ?