

Future direction and next step

- ***Bright horizon:*** New data records needed (Adrian, Graeme); Geo-polar-active sens. with higher resolution and more wavelengths/frequencies, NUV; New networks (AERONET etc)
- ***Gray horizon:*** Number of ground-based sites decreasing with economical problem (GCOS)
- ***Challenge:*** Sustained observation and optimization of ground & satellite systems & models
- ***New Assessment:*** \$1 vs \$50 story (Bruce)
- ***Big data:*** CCI data records useful for services; should be extended to applications of other fields/regions
- ***Reco.:*** More Coordination between meteorol. & space agencies; nations (Asia, ...); Planning by WCRP, GCOS, CGMS, CEOS etc