

DA-09-01a-11: Reference test site data collaboration and comparison



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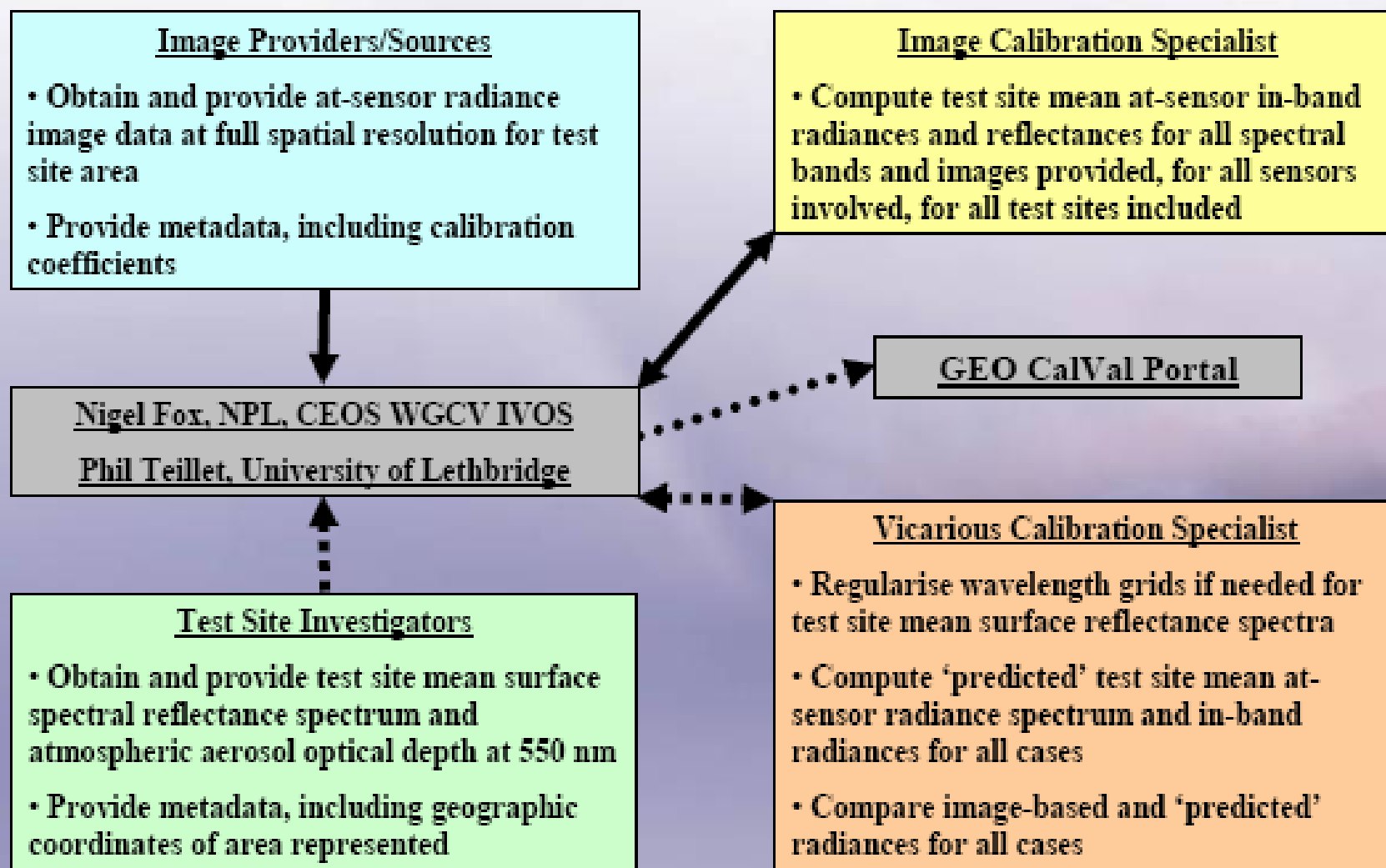
GEO actions:

- 1) **Work with WGCV Subgroup leads to initiate dialogue with instrument owners relating to the collection of calibration data over CEOS-endorsed sites.**
- 2) **Ensure collaboration and coordination for the evaluation of the data and the development of the results over comparative sites as a prototype for an operational EO calibration network.**
- 3) **Peer-review the results and post them on the Cal/Val portal.**
- 4) **Present information via CEOS/GEO venues.**
- 5) **Publish significant results.**

Progress

- Core Test-sites identified in most sub-groups
 - at least principle of
 - Define and justify Minimal number
 - Define and refine key selection criteria
 - Document through cal/val portal
- Constellations and agencies need to adopt principle of core sites
 - Principle of regular acquisition and data dissemination to depository or appropriate link
 - Currently invite via email to agency leads not efficient
 - Identifying sensor specific POC to target
- Demonstrate value through cooperation and results.
 - Pilot exercise (task 06, 12) need buy in
 - Common tools and methods

Flow Chart Summarizing the Concatenation Pilot Study Concept



IVOS prototype project

Aug 09 and Aug 10

- Utilise timing of Tuz Golu comparison
- Link all available Landnet and invariant test sites via satellite
- Compare differences in Landnet site measured characteristics
- Establish absolute values for Invariant sites
- Link GEO satellites
- Where possible near simultaneous ground campaigns
 - Automated collection as alternative
 - Link Dome-C through invariant sites
- Use Cal/val portal as interface

Requirements:

- Participation of sensors (satellites and aircraft) ideally at Tuz Golu and other Landnet sites during August also DOME-C and invariant sites in Dec/Jan
 - including commercial sensors
- Existing Landnet sites ground teams and/or automated to provide data during timeframe
- Participation in IVOS workshop at JRC Oct 18-22, 2010

Comparison 2: “Satellite measured TOA spectral radiance/reflectance (optical)” August 2010 and December 2010: Satellite operators and owners (public and commercial). Requires acquisition and supply of data over specific targets for comparison (Cal/Val) purposes.

Registration: <http://calvalportal.ceos.org/cvp/web/guest/ceos-sensor-cal-event-2010/registration>