



Vegetation Indices

- * **A new focus area established this year**
- * Participants identified three components of VI validation
 - 1) Uncertainty of VIs in their units (e.g., DNDVI)
 - 2) VI sensitivity to vegetation biophysical/physiological conditions
 - 3) Long-term stability of VI time series data
- * Potential validation data sources were identified
 - 1) NEON airborne hyperspectral data
 - 2) AERONET-based surface reflectance data
 - 3) Ground-/drone-observational reflectance data
 - 4) FLUXNET data

VI & LSP Workshop

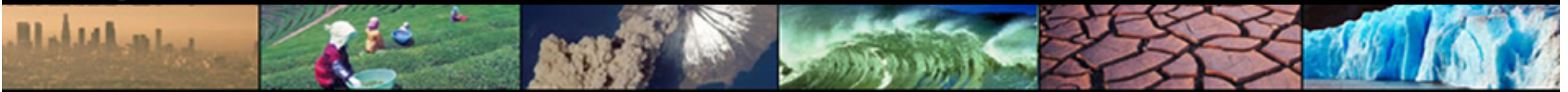
Fort Collins, CO, USA, November 9-10, 2016

Land Surface Phenology

- * Participants identified four primary steps to advance validation efforts
 - 1) Identify data requirements for validation and conduct initial analysis of sites with both Flux Towers and Phenology Cameras. – *April 2017*
 - 2) Comprehensive analysis of sites and publish results (e.g. “Evaluation of the Representativeness of Sites for Global Validation and Inter-comparison of Land Surface Phenology.”) – *November 2017*
 - 3) Support an on-going effort by the USGS Northwest Climate Science Center to relate phenology camera data footprints to remote sensing product pixel extents.
 - 4) Establish a validation database that combines the results of steps 1, 2, and 3. – *March 2018*

Sign up for the listserv! Stay up to date on CEOS-LPV VI & Land Surface Phenology activities or get involved!

- **VI:** Send an email to tomoakim@hawaii.edu or jaime.nickeson@nasa.gov
- **LSP:** Send an email to ceos-lpv-pheno-subscribe@lists.nasa.gov or visit <https://lpvs.gsfc.nasa.gov/>



Land Product Validation Subgroup

2nd CEOS LPV Vegetation Index Focus Area Workshop

Wednesday, 12 December 2018 | Washington, D.C.



FALL MEETING

Washington, D.C. | 10-14 Dec 2018

- Workshop Objectives:

- 1) Review new VI products (an update from the previous workshop)
- 2) Review new VI validation activities and results (an update from the previous workshop)
- 3) Discuss product inter-comparison protocols to decide a set of standard metrics (new item)

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