

3 JECAM cross site experiment reports

Results obtained for 16 JECAM sites

- very interesting results on various topics
- Very significant evolution of the work ac
- convergence in data collection, nomenclature based on JECAM guidelines

JECAM beyond the crop mask and crop type mapping :

agriculture products types :

- Field boundaries derivation (Safrika)
- Crop LAI (ww, maize, soybean : Argentina, Ukraine, China)
- Crop yield estimate
- Crop rotation maps (Argentina)
- Crop residues
- Planted area and harvest area esitmate
- Cropping practices (tillage mapping)
- Stratificatiioni of cropping system

JECAM guidelines for biophysical var. in situ data

working group (Ukr., Fr, China, Sp., Be) for a document preparation

on rationale for bioph. var.

on in situ measurements protocol description

(ImagineS document for LAI but alternative to be considered for fAPAR, biomass, ...)

! effort to combine with SAR in situ measurement protocols

JECAM in situ data sharing strategy

4 aspects :

- Minimum Data Sets defined in the Guidelines
- Efficient sharing within the JECAM community for internal collaboration
- Give credit to the source of in situ data (open data license)
- Each site remains free to make any arrangement on his own for collaboration

Roadmap :

1. Benchmark about how we document/we share datasets

2. Development of JECAM label credits on datasets

(sites are currently labeled as JECAM in a inclusive way; dataset could be labeled JECAM by a quality control and peer review process to build JECAM dataset credibility)

3. Publication of the database with documented protocol and quality controlled data:

- license in situ data sharing and/or DOI

For next year discussion : Database of metadabase to make visible each site/partners assets

2015 JECAM Science Meeting

Brussels – Palais d’Egmont 16-17 November 2015

JECAM SAR experiment (crop type, LAI/biomass)

Interested sites	In situ data availability		Topic of interest for collaboration	
2015 data set				
Argentina	crop type		crop type	LAI for 2016
Belgium	crop type	LAI	crop type	LAI for 2015/6 (3 crops)
Burkina	crop type		crop type	SAR-optical synergy training needs
China-Taishan	crop type	no LAI 2015	crop type	LAI for 2016 training needs
China-Yucheng	crop type		crop type	training needs
US	tbd	tbd	tbd	
Canada-site 1	crop type		crop type	LAI for 2015 training offer
Canada-site 2	crop type		crop type	LAI for 2015
Ukraine	crop type	LAI	crop type	LAI for 2015
JRC	crop type		crop type	methodological questions : SAR interoperability,
Candidate to join 2016 SAR experiment				
Bangladesh	CIMMYT			
India	CIMMYT			
Madagascar	CIRAD			
Safrica	ARC			

JECAM Small fields experiment ? Madagascar, Koumbia BF, Koutiala Mali

GEOGLAM Advisory committee feedback to JECAM

Increasing focus on countries at risk :

=> more interest on smaller fields agriculture

Training of experts through network activity

Better integration of R&D JECAM to capacity building
and operational application (SIGMA WP on training)

« ... to the final mile.. » (Y.Crevier)

JECAM document on field data collection tools

(contribution from SIGMA, JRC, SRI, IACS,...)

- GEODK (SIGMA)
- 'windshield survey': SRI/JRC,
- crowdsourcing tool : AAFC
- IACS control agency if open system