





Products defined at K&C Science Panel meeting #2 @ UCSB

### Lead scientists Masanobu Shimada, NASDA EORC Bruce Chapman, JPL

#### <u>Utility</u>

• Stand-alone product (GRFM/GBFM type) • Intermediate K&C product (e.g. for flood

mapping)

Feed-back on acquisition plan success rate



### PALSAR image mosaics

#### Features

- Fine resolution (100 m or better)
- Global coverage
- Automatic generation
- DEM corrected

#### Best-case output

- 4 coverages/year
  - 2x Dual-pol
  - 1x HH • 1x ScanSAR

## Minimum output

Low resolution (~1km?)
mosaics





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## Mapping of irrigated rice

Lead scientist Bill Salas, UNH

<u>Product type</u>(I rrigated) rice paddy spatial extent



#### <u>Sensor</u>

- PALSAR ScanSAR (5-beam HH)
- GLI 250m

#### Geographical coverage

- China
- SE-Asia
- I ndia

## Intput data requirements

• 100 m ScanSAR mosaics time series (9 coverages during 13 months)

#### Methodology

• operational (UNH)





GLI -250m products



#### <u>Lead scientist</u> Ryotaro Tateishi, Chiba Univ. NASDA EORC

#### Product type

• Land Cover Classification

• Annual global (6-ch) mosaics (contemporary in time with PALSAR mosaics)

- Sensor
  - ADEOS-II GLI 250m

#### Geographical coverage

- Eurasia (LCC year 1)
- Global

#### Intput data requirements

16-day cloud-free composites during veg. season (LCC)
16-day cloud-free composites during ALOS acq. window





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## Forest change and biomass products

Lead scientist - lead organisation TBD

#### Product type

• Deforestation - identification & spatial extent (x,y; km2/yr)

- Above-ground biomass accumulation (gC/m2/yr)
   Thinning/biomass removal (gC/m2/yr)
- Biomass inventory (below σ<sup>0</sup> saturation)

### **Sensor**

- PALSAR Dual-pol HH+HV
- (GLI)

### Geographical coverage

• Global - TBD

#### Intput data requirements

- Annual time series
- HV channel



• Veg-base line (1.5 km)

NASD/





### Working Group compositions

WG #2 - PALSAR mosaics Bruce Chapman (WG leader) Masanobu Shimada

WG #3 - Forest & biomass change Craig Dobson (WG leader) Josef Cihlar Tony Milne Paul Siqueira WG #4 - Wetlands & rice paddy Laura Hess (WG leader) Bill Salas Doug Alsdorf John Melack

WG #5 - Boreal products Kyle McDonald (WG leader) Larry Smith J. C. Shi









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