

# **Observations and Data for Land Cover and Land Use Change: Focus on Agriculture**

*Part of the 2011 NASA Carbon Cycle and Ecosystems Joint Science Workshop*

Hilton Alexandria Mark Center, Alexandria, VA

October 6, 2011

- 9:00 Welcome – Garik Gutman, NASA HQ
- 9:15 Review of LCLUC Observations and Data and Land Use – Chris Justice, UMD
- 9:30 Some current LCLUC projects addressing aspects of LU and LCC observations with ag focus (15 min each)
- Crop type mapping – Matt Hansen, UMD
  - Field size distribution – David Roy, SDSU
  - Cropping intensity – Xiaoming Xiao, University of Oklahoma
  - Land abandonment – Kirsten deBeurs, University of Oklahoma
- 10:30 *Coffee*
- 11:00 Invited Talks (20 min each)
- Mapping agro-forestry systems – David Skole, Michigan State University
  - GEO Cropland mapping initiative – Steffen Fritz, IIASA
  - Emerging model data requirements for land use information – George Hurtt, UMD
- 12:00 Fine Resolution (15 min)
- GSFC Fine Resolution Data Initiative – Chris Neigh, GSFC
  - Fine resolution automated mapping – Luigi Boschetti/Andrea Baraldi, UMD
- 12.30 *Lunch*
- 2.00 Breakout group: Land-use Datasets for Modeling
- 3.00 *Coffee*
- 3:15 Report Back
- 3:45 Discussion
- 4:00 Conclusions and Actions – Chris Justice, UMD
- 4.15 Close of Meeting – Garik Gutman, NASA HQ