Short-term Goals and Progress

Priority Areas	Short-term goals (2 years)	Progress to date (1 year)	Year 2
Global validation protocols and implementation (Luigi)	Complete the burnt area validation protocol as a part of CEOS calibration/validation sub-group activity. Develop the validation protocol for active fire products.	Ongoing -Revised 4-stage CEOS land product validation strategy has been identified	Complete protocol (T37) and accuracy assessment
Global Fire Danger including Early Warning and Risk (Bill/Jesus)	Prepare global fuel type map. Calibrate Fire Weather Index (FWI) over different regions. Organize workshop on fire risk assessment (Coimbra, Nov, 2010).	Work in progress (programmers hired to complete daily global fire danger maps). Coimbra workshop successfully organized successfully. Progress updates on Fire Early Warning System.	Initiate validating indices regionally. Seek funding for EWS (CSA, World Bank, Ford Foundation). GOFC EWS web site. Link indices to regional sites (Info Systems). Look at new RS tools (e.g., soil moisture). Develop global fuel map.
Regional network issues, capacity building, accessibility, etc (Anja et al.)	Organize training programs for building regional expertise and provide project-based training on data validation and application. Improve data availability and product dissemination. Provide SPOT archive data to African regional networks.	•ESA training program for Land Remote Sensing Scientists (Sep-12-16th, 2011 Poland). •GOFC sponsored Side Event at the 5th International Wildland Fire Conference 'Wildfire 2011' (9 May 2011) wherein more than 30 regional scientists participated.	SEARIN fire network meeting planned. SAFNET attendance at Miombo network. Anja joins GOFC regional telecoms. RedLaTif will participate in Costa Rican meeting.

Short-term Goals and Progress (continued..)

Long term data record (LTDR) generation (TBD)	Complete scoping and assemble 1km AVHRR archive from LAC and HRTP data. Develop procedures for establishing dynamic continuity between sensors.	No progress CEOS T35 Action provides an opportunity	Send Ivan meaningful inventory data. Not just fire issue---look for help.
Global Fire Emissions estimation (Guido)	Organize fuel consumption workshop (regional experts + inventory developers). Comparison of inventories using top-down constraints (CO and aerosols).	Fuel consumption workshop successfully organized during the 5th International Wildland Fire Conference 'Wildfire 2011' (9 May 2011). Updates from Guido.	Incorporate Ag burns and focus on small fires. Emission factor geographic dist'n. Validate against approved regional model outputs.
User Outreach and Feedback (Luigi)	•Expand the fire component of the GOFC REDD Sourcebook. Promote the involvement of GOFC Regional Networks in the REDD process. Develop user friendly products and documentation	• Fire chapter revised • User outreach on going (e.g. LANCE, FAO GFIMS, MODIS User Guide)	Update REDD book as required.

Short-term Goals and Progress (continued..)

Global Geostationary Network (Ivan/Martin)	•Generate fire products for all GEO network satellites. Enable NRT access. Validate products against e.g. higher spatial resolution data. Generate blended "global" geostationary product, including links to global NRT emissions models.	• NESDIS Operational production for GOES, MTSat, MSG. • Ongoing discussion w. KMA, CMA etc	Get MTSat into the system. Some same products but for additional parts of world.
Data Requirements for Global ECVs (Kevin/Luigi)	•Conduct user consultation exercise (questionnaire and workshop) with modelers and fire technicians on ECV's. Work with GTOS to refine ECV requirements. Propose GOFC GOLD Fire to provide ECV oversight.	•Ongoing. •Updating the ECV T13 document taking feedback from this meeting. •ESA-Fire CCI project + Geoland projects looking into ECV standards; •Latest updates from Kevin Tansey	Complete GCOS template. Update ECV T13.
New Fire Related Missions and Products (Louis/Eckehard)	•Initial evaluation of TET 1 data and products. Publish review of Fire Sensors: instruments, calibration and data related data quality.	• VIIRS, LDCM, Sentinel 2/3, DLR/Mexico	Evaluate VIIRS, TET-1 test datasets. Monitor NIRST progress. Review of fire thermal RS technology.

GCOS/CEOS fire actions

- T35: Reanalyse the historical fire disturbance satellite data (1982 to present)
- T36: Continue generation of consistent burnt area, active fire, and FRP products from low orbit satellites, including version intercomparisons to allow un-biased, long-term record development.
- T37: Develop and apply validation protocol to fire disturbance data.
- T38: Make gridded burnt area, active fire, and FRP products available through links from a single International Data Portal.
- T39: Develop set of active fire and FRP products from the global suite of operational geostationary satellites.