SCERIN-1 Day 2, Tuesday, 18 June 2013

Session 4: SCERIN Focus Groups (FGs) *[Olga Krankina / Petya Campbell]*

13:00 FG1: Forest monitoring - disturbances, health and biomass *[Frantisek Zemek/Bogdan Zagajewski/ Jana Albrechtova]*

14:00 FG2: Land Cover Changes: agricultural land abandonment, urban expansion *[Lucie Kupková/Premysl Stych/Levent Genc]*

15:00 Formation of FGs & discussions of SCERIN "hot topics" *[Everyone, Krankina/Campbell]*

15:30-16:00 Break, Coffee/Water

16:00 **SCERIN-1 reporting**: Recommendations & Action items, Next venue *[Everyone, Campbell/Albrechtova]*

17:00 Instructions for the Scientific field trip on June 19 (Wednesday) 2013 *[Hosts & Coordinators]*

17:30 Concluding remarks *[Everyone, Hosts & Coordinators]*

18:00 SCERIN-1 Meeting Adjourns

Research Needs - Focus Groups

•Forest change processes and driving forces (natural/environmental & social)

- Effects of drought, stress factors (air pollution, bark beetle) on vegetation

• Land Cover Changes

- Urbanization processes and environmental impacts
- Environmental consequences of construction (roads, hydropower dams construction)
- Agricultural security

Comparison/Validation for Standardization of high (Landsat) and low (MERIS & MODIS) resolution products - development of regionally-adapted versions

Establishment of regional and local product ***validation sites*** *(local specifics)*

Regional ***spectral library*** *(characterize species spectral diversity)*

Common vs. local tools, approaches, methods

! Need to establish **SCERIN Focus Groups (FGs)** and identify **Joint PROJECTS**!

A herarchical approach to classify land product validation stages was adopted by CEOS through consensus of the LPV

Stage 1 Validation	Product accuracy is assessed from a small (typically < 30) set of locations and time periods by comparison with in-situ or other suitable reference data.
Stage 2 Validation	Product accuracy is estimated over a significant set of locations and time periods by comparison with reference in situ or other suitable reference data. Spatial and temporal consistency of the product and with similar products has been evaluated over globally representative locations and time periods. Results are published in the peer-reviewed literature.
Stage 3 Validation	Uncertainties in the product and its associated structure are well quantified from comparison with reference in situ or other suitable reference data. Uncertainties are characterized in a statistically robust way over multiple locations and time periods representing global conditions. Spatial and temporal consistency of the product and with similar products has been evaluated over globally representative locations and periods. Results are published in the peer-reviewed literature.
Stage 4 Validation	Validation results for stage 3 are systematically updated when new product versions are released and as the time-series expands.

SCERIN-1 Goals & Objectives

- Inform about ongoing scientific efforts and projects with possible contribution and follow-up activities of the SCERIN participants
- Review the availability of satellite data, products, and approaches for land cover monitoring in South Central and Eastern Europe (SCE)
- Outline the specific land-cover and land-use change research, applications and development needs in the SCE region;
- Form Focus Groups (FGs) to resolve specific issues (actions) as requested by the SCERIN community.

Working groups (Focus Groups, FGs) of participants, formed based on participant's interest and expertise, will be tasked to resolve the specific issues (action items) identified in the SCERIN discussions.

SCERIN Network Goals

The goal of SCERIN is to contribute for improving the use, quality and availability of remote-sensing observations and supporting data, as well as to promote the production and provision of Earth System observations in South Central & Eastern Europe (SCE).

We plan to work together with the regional forest and land management agencies to ensure continuous, high quality observations for operational and management applications, facilitating feasible and sustainable natural resources management practices.