SCERIN Overview papers

SCERIN overview papers (OPs):

Goal: to develop 1 – 2 overview SCERIN papers

The Process: 1) Brainstorming ideas, 2) Focus/thesis/content, 3) Draft Outlines

DURING SCERIN-3 WE NEED TO DETERMINE

- Topics
- Leader/s
- Participants
- Reviewers
- Deadlines
- Develop Outline/s

SCERIN Overview papers
Tentative Topics

1) SCERIN Regional LCLUC priority, products and specific requirements

- Overview of the currently available and required LCLUC products for SCERIN

  - Land cover types and issues in their monitoring, Natural and Anthropogenic land covers; Vegetation functional types and their biomass,

2) FG1 (Forest LCLUC and biomass production):

Current state and remote sensing perspectives for monitoring forest diversity, structure, and dynamics in SCERIN

  – evaluate the current and future technical capacity of satellite imagery to measure and monitor SCERIN forests

3) FG2. (Anthropogenic LCC: agricultural land abandonment, urban expansion and climate change)

SCERIN regional LCLUC priority, products and specific requirements

Links to available (existing) regional remote sensing and calibration/validation data.

4).....
5).....

SCERIN Overview Papers
Topics/Questions to Consider

I. Purpose:

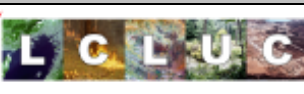1) To inform
2) To persuade
3) To call to action

II. Targeted Audience:

1) Who are the audience?
2) How inform they are?
3) Would they resist the ideas?
4) How much time would they spend reading?
5) How informed/advanced are the readers – how should we demonstrate the concepts?

SCERIN Overview Papers
Topics/Questions to Consider

III: Journal: ISI Web of Knowledge

Rank	Abbreviated Journal Title *(linked to journal information)*	ISSN	JCR Data						Eigenfactor® Metrics	
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
1	REMOTE SENS ENVIRON	0034-4257	34609	6.393	7.769	1.271	380	8.4	0.04574	1.934
2	IEEE T GEOSCI REMOTE	0196-2892	25780	3.514	4.112	0.858	628	8.7	0.03518	1.106
3	INT J APPL EARTH OBS	0303-2434	2600	3.470	3.487	0.769	182	3.7	0.00657	0.851
4	INT J DIGIT EARTH	1753-8947	603	3.291	2.983	0.426	54	3.2	0.00201	0.713
5	REMOTE SENS-BASEL	2072-4292	3061	3.180	3.257	0.505	572	2.5	0.01043	0.770
6	ISPRS J PHOTOGRAMM	0924-2716	4120	3.132	4.652	0.890	172	5.5	0.00771	1.060
7	IEEE J-STARS	1939-1404	2331	3.026	3.303	0.515	445	2.6	0.00793	0.820
8	GPS SOLUT	1080-5370	1024	2.918	2.688	0.439	57	5.3	0.00303	0.958
9	J GEODESY	0949-7714	2502	2.699	3.329	0.442	77	6.2	0.00746	1.328
10	IEEE GEOSCI REMOTE S	1545-598X	4502	2.095	2.339	0.513	446	4.4	0.01252	0.689
11	GISCI REMOTE SENS	1548-1603	461	1.770	1.760	0.262	42	3.9	0.00083	0.304
12	CAN J REMOTE SENS	0703-8992	1651	1.727	1.685	0.273	33	9.0	0.00215	0.453
13	INT J REMOTE SENS	0143-1161	16435	1.652	1.859	0.489	440	>10.0	0.01666	0.471
14	PHOTOGRAMM ENG REM S	0099-1112	5926	1.608	2.325	0.238	84	>10.0	0.00397	0.574
15	SPAT STAT-NETH	2211-6753	64	1.605	1.605	0.103	29		0.00035	0.579
16	REMOTE SENS LETT	2150-704X	516	1.573	1.779	0.311	106	2.3	0.00224	0.518
17	RADIO SCI	0048-6604	3693	1.439	1.278	0.233	103	>10.0	0.00485	0.573
18	GEOCARTO INT	1010-6049	519	1.370		0.158	57	5.8	0.00113	
19	EUR J REMOTE SENS	2279-7254	138	1.360	1.372	0.435	46	1.7	0.00028	0.202
20	ITAL J REMOTE SENS	1129-8596	87	1.357	0.713		0		0.00021	0.131
21	MAR GEOD	0149-0419	686	1.306	1.906	0.087	23	6.0	0.00236	0.818
22	J APPL REMOTE SENS	1931-3195	990	1.183	1.309	0.193	259	3.7	0.00287	0.327
23	PHOTOGRAMM REC	0031-868X	526	1.038	1.432	0.381	21	8.4	0.00064	0.339
24	J INDIAN SOC REMOTE	0255-660X	466	0.764	0.849	0.057	87	4.9	0.00094	0.174
25	PHOTOGRAMM FERNERKUN	1432-8364	189	0.733	0.760	0.412	34	4.0	0.00047	0.173
26	J SPAT SCI	1449-8596	137	0.588	1.000	0.167	24	4.9	0.00047	0.348
27	NAVIGATION-US	0028-1522	178	0.562		0.000	24	8.4	0.00053	
28	SURV REV	0039-6265	259	0.533	0.581	0.040	50	6.1	0.00082	0.240

SCERIN Overview Papers
Topics/Questions to Consider

III: Journal: ISI Web of Knowledge

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European Journal of Remote Sensing

ISSN: 2279-7254 [online]
The former Italian Journal of Remote Sensing, ISSN: 1129-8596 [print], 2039-7879 [online]

Focus and Scope

The Journal is aimed at publishing research papers and technical notes related to the use of remote sensing technologies. Several types of papers are considered for publication, see the GUIDE section for more information.

The Journal covers all the possible applications related to the use of active or passive remote sensing to terrestrial, oceanic, and atmospheric environments. Here follows a list of some of the most common thematic areas covered by the contributions published on the journal:

- land use/land cover
- geology, earth and geoscience
- agriculture and forestry
- geography and landscape
- ecology and environmental science
- support to land management
- hydrology and water resources
- atmosphere and meteorology
- oceanography
- new sensor systems, missions and software/algorithms
- pre processing/calibration
- classifications
- time series/change analysis
- data integration/merging/fusion
- image processing and analysis
- modelling

The Journal ensures rapid review of manuscripts.

III: Journal: ISI Web of Knowledge

European Journal of Remote Sensing

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III: Journal: open access

Remote Sensing — Open Access Journal

http://www.mdpi.com/journal/remotesensing

Remote Sensing (ISSN 2072-4292) is an Open Access journal, which is free to access and read on the Internet. MDPI guarantees that no university library or individual reader will ever have to buy a subscription or buy access through pay-per-view fees to access the articles published in the journal. **1,400 Swiss franks**

Journal of Remote Sensing & GIS – open access
http://www.omicsgroup.org/journals/geophysics-remote-sensing.php
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SCERIN Overview papers

OP1: FG1 (Forest LCLUC and biomass production):

Forestry oriented RS studies in SCERIN region: RS projects for forest ecosystem dynamics and mapping

Topics:

Outline,
Leader/s,
Participants
Deadlines

OP1: FG1 (Forest LCLUC and biomass production):
Forestry oriented RS studies in SCERIN region: RS projects for forest ecosystem dynamics and mapping

Sensors and DATA:

- Optical sensors and data:

    Geostationary
    - Coarse: MODIS, VIIRS, Sentinel 3 [time-series and continuity in relatively good shape]
    - Moderate: Landsat8, Sentinel2, opportunity for higher temporal frequency

    Airborne:
    - Multispectral sensors
    - Hyperspectral sensors
    - Lidar: GLASS, commercial airborne lidar (availablility?),

- Microwave sensors and data:
    - Active: Sentinel 1, ALOS PALSAR, RADSAT 1 and 2
    - Passive: AMSR-E, AMSR 2, SMAP?

- Data processing (harmonized approaches and sensor fusion):
    - Availability of mosaicked datasets across (e.g. WELD Web-enabled Landsat Data, Landsat ETM+ composited mosaics)

- Products:
    - Thematic products:
    - Long-term data record:
    - Calibration/Validation data:

- Data policy

- **Education/training?**

SCERIN Overview papers

<u>OP1:</u> FG1 (Forest LCLUC and biomass production):
Forestry oriented RS studies in SCERIN region: RS projects for forest ecosystem dynamics and mapping

- **Data availablility**:
  - Hydromet data (access to meteorological data for various European countries – links)
  - Forestry: forest inventory data
  - Land use/cadastral/DEM

- Government data:
- Institutional data
- Projects

- Barriers to data access:
  - Unavailability/Cost/not-free access
  - effort in compilation of these data is needed

- Recommendations to comply with barriers:
  - Database of access to data
  - Arrangements are needed for science and education
  - Portal access to at least metadata