

BSC PS

Georgia CASE Site, GURIA Coastal Region



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Training Workshop: Introduction into Catchment Modelling Ureki, Georgia



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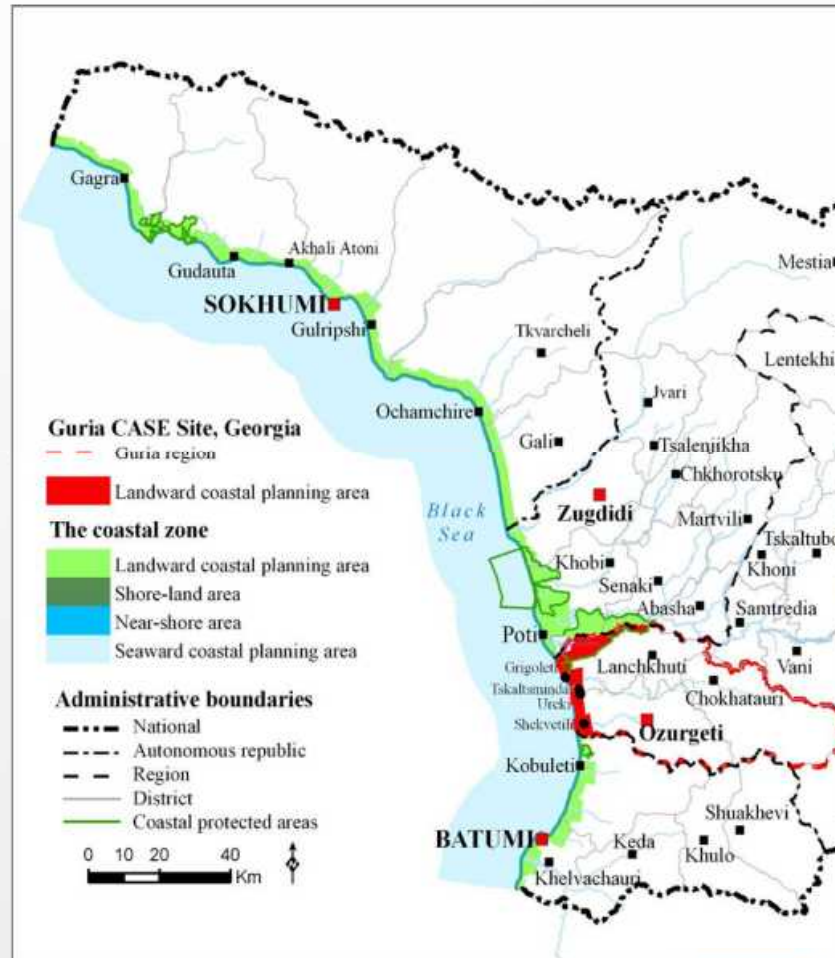


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- Georgia CASES characteristics
- Tools for application
- Some results
- Final plans

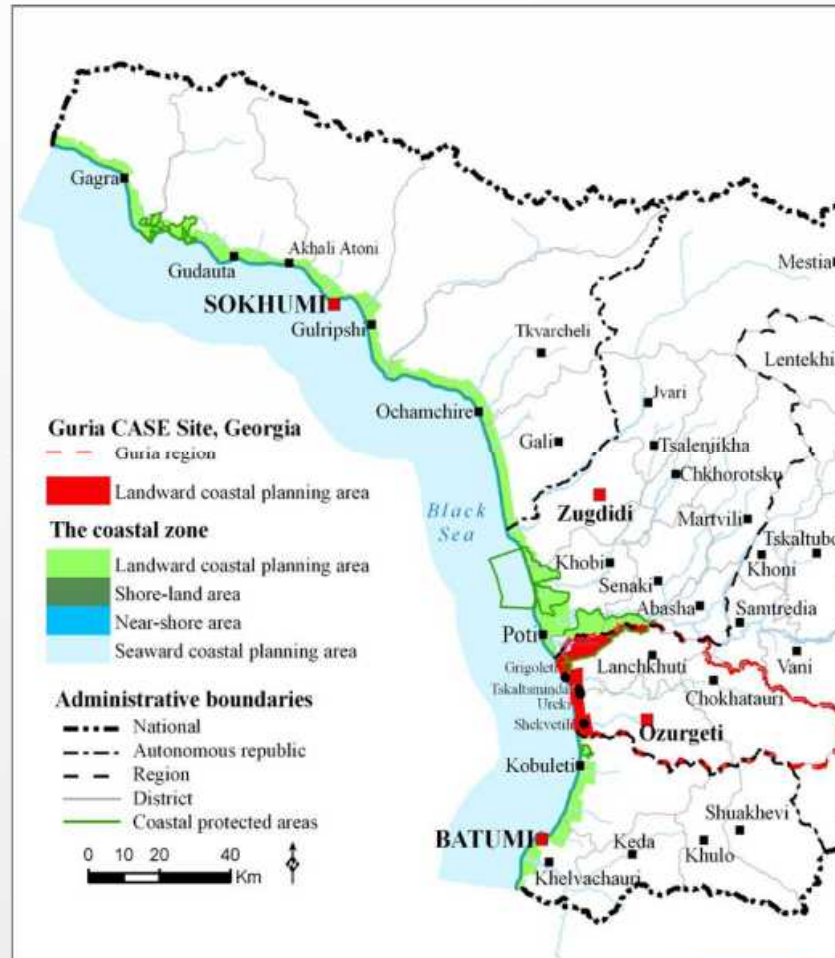
Georgia CASE Site characteristics and issues



– Characteristics

- Landward area - 173 km²
- Seaward area - 478 km²
- Sandy coastline - 21.5 km
- Guria Region - 2033 km²
 - Ozurgeti district - 680 km²
 - Lanchkhuti district 553 km²
- Kolkheti National Park
 - Imnati section - 102 km²
- Foothills of Less. Caucasus
- Coastal plains, agriculture, wetlands

Georgia CASE Site characteristics and issues



— Issues

- Tourism pressures
- Beach encroachments
- Poor environmental infrastructure
- Development project threats
- Coastal erosion
- Lack of diagnostic information
- Regulatory and management issues

Tools for application

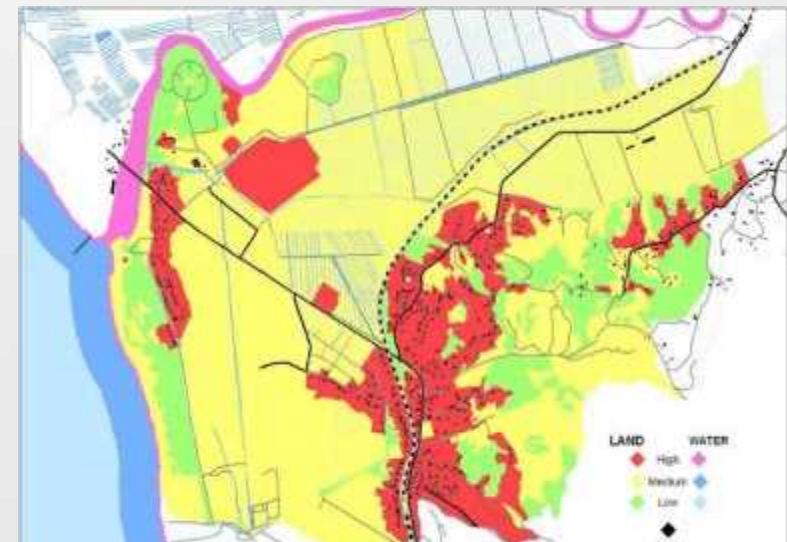
– ICZM Indicators

- State of the Coastal Zone
- Progress with ICZM
- Spatial indicators



Phase	Action	Description	National				Regional				Local							
			1993	1996	2002	2009	1993	1996	2002	2009	1993	1996	2002	2009				
A framework exists for taking ICZM forward	6	Development of legislation and codes of practice and other regulatory instruments																
	7	Appointing a national authority responsible for ICZM																
	8	Establishing a national ICZM strategy																
	9	Establishing a national ICZM monitoring and reporting mechanism																
	10	Establishing a national ICZM research and information centre																
	11	Establishing a national ICZM training and capacity building programme																

– Land/Sea Ecosystem ACcounts (LEAC/SEAC)



– PEGASO & EnviroGRIDS tools



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CROSS BORDER COOPERATION



– Activities in 2013:

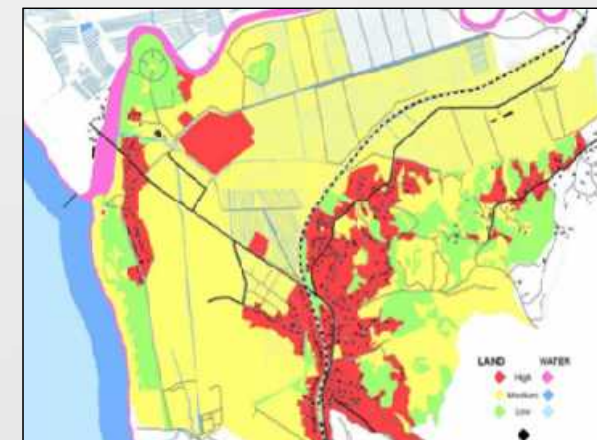
❖ Participation and training:

- ✓ Local stakeholder meeting to evaluate Tskaltsminda Plan (Mar 2013)
- ✓ Planning of Indicators & BBN training workshop (Guria, Nov 2013)
- ✓ Participation in PEGASO meetings (Istanbul Dec 2012, Rabat March 2013, latter including two Council Chairs of two coastal Municipalities of Guria, one of them CASES Coordinator!)



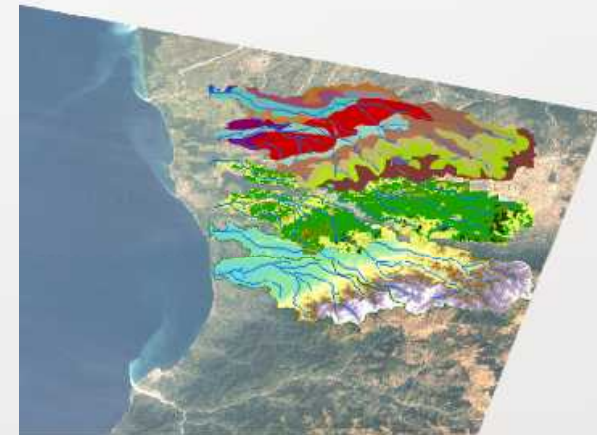
– Activities in 2013:

- ❖ Research, **indicators & SDI**
 - ✓ Development of software tool for EU ICZM progress indicators
 - ✓ Successful offline visualisation of ICZM pilot project GIS through SDI tools (online deployment via PEGASO and enviroGRIDS portals forthcoming)
 - ✓ 2 papers for Medcoast 2013



– Activities in 2013:

- ❖ Research, **modelling**
 - ✓ Setting-up hydrological model in synergy use of enviroGRIDS tools
 - ✓ Participation in ICZM AG Meeting, Turkey, BS-GES Romania, and Medcoast Turkey



– Activities at final stage:

- ❖ Deploy ICZM data online as local **GeoNode**
(Tskaltsminda GIS, Kolkheti habitats, coastal indicators)
- ❖ Organize CASES **training** in Georgia (Indicators/BBN, Nov 2013)
(interested ICZM AG Members welcome to participate!)
- ❖ Testing **ICZM indicators** for 1 or 2 Guria coastal districts
- ❖ **Participation** in PEGASO Final Meetings
- ❖ WP5 CASES final **reporting**

Indicators

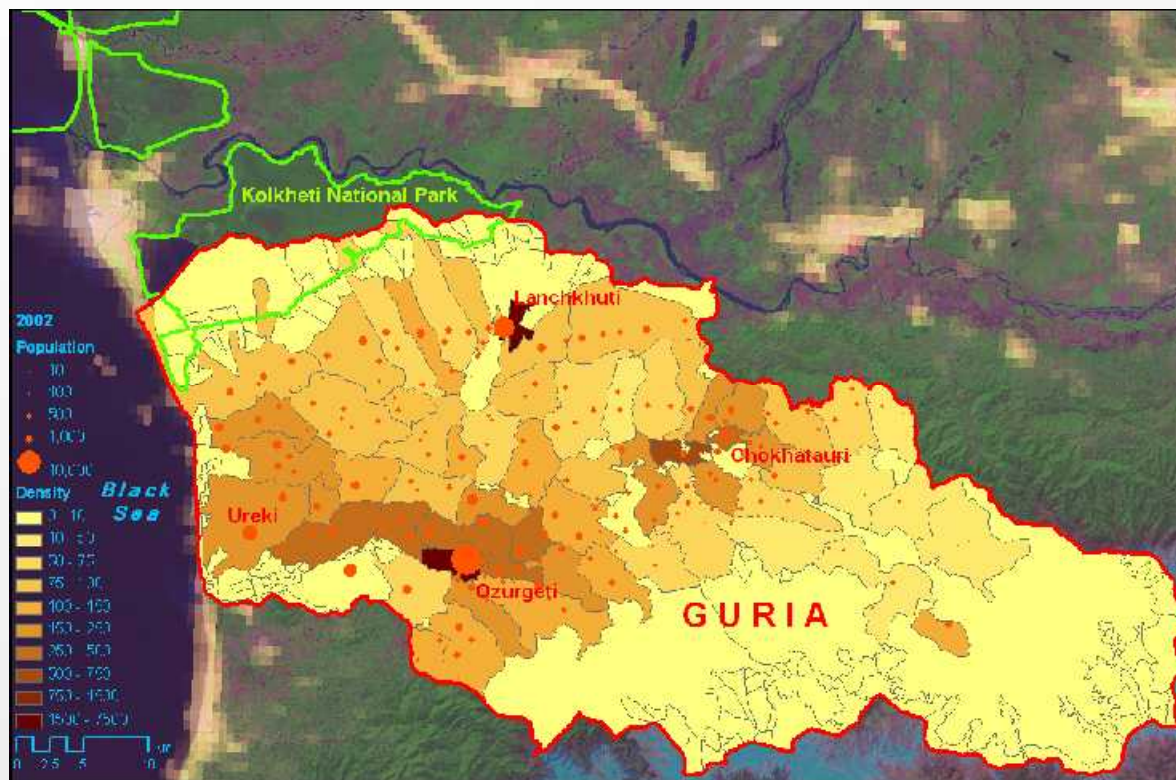


Figure 1: Population density of Guria Region according to national census (source: GeoStat, 2002)

Indicators

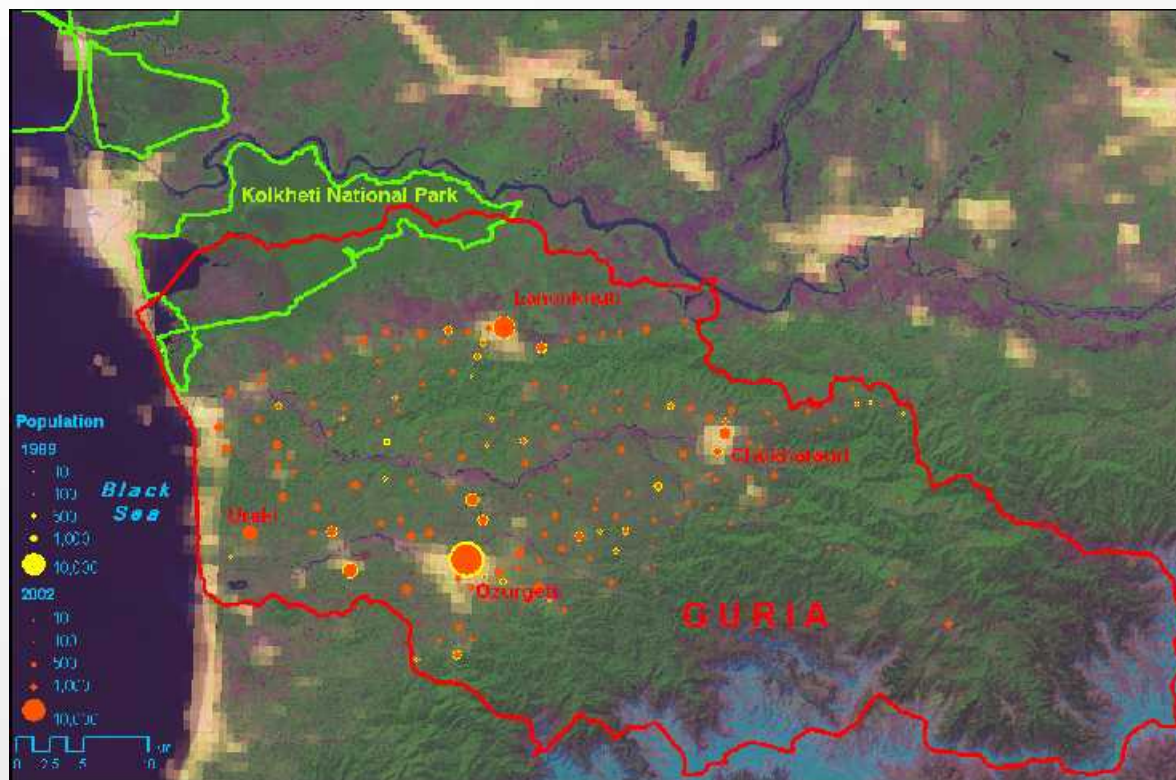


Figure 2: Population of settlements in Guria Region of 1989 and 2002 census overlaid over NASA NPP VIIRS day-night band (<http://earthobservatory.nasa.gov/Features/NightLights>) and Landsat 8 image.

Indicators

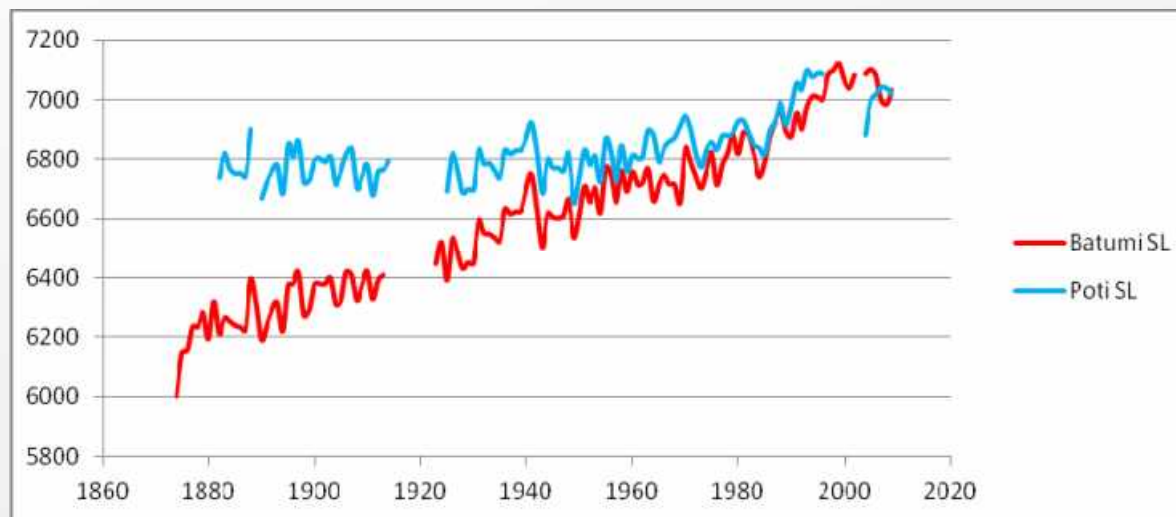


Figure 3: Sea Level relative to land for Guria Region (source: <http://www.psmsl.org>)

THANK YOU

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