

Coastal vulnerability index

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KVÄLLSPOSTEN

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MÅNDAG 23 FEBRUARI 2015

Pris: 17 kr (inkl moms)

YATTEN-HOTET
SYDSVERIGES KVÄLLSTIDNING

HAVET TAR THOMAS HUS

Stormen gjorde stranden 25 meter större

"JAG KLARAR
INTE EN TILL"



Kolla om den slar mot dig:
**PENSIONS-
FÄLLAN:**
3 320 KR
mindre i månaden

SIDAN 12

MATTIAS LARSSON: Tänk
Laudrup, tänk Thern

SPORT

TIPSA KVÄLLSPOSTEN
71717

MARIA BRANDER om
nattens Oscarsgala

SIDORNA Beach 9



Swedish Geotechnical Institute

Tuesday May 26, 2015

Aa Larger / Smaller  Night Mode

News

Lake Cathie coastal erosion plans continue

By Lisa Tisdell May 19, 2015, 4 a.m.



 +3



© PA

Hundreds of homes will disappear into the North Sea over the next century, as more properties fall victim to the rampant coastal erosion attacking the coastline. Pictured: The coastal road, south of Bridlington

The Fiji Times ONLINE

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Beach erosion

Shayal Devi And Repeka Nasiko
Thursday, May 21, 2015

Like most of coastal Fiji, beach erosion is one of the biggest issues faced by villages in the Yasawa Group.

With such adverse effects of climate change slowly surfacing, Vinaka Fiji, the charitable organisation of South Sea Cruises, Blue Lagoon Cruises and Awesome Adventures Fiji, has started a range of surveys across villages in the area.

Operations manager Elenoa Nimapere said this had been possible through joint efforts by Vinaka Fiji staff members and villagers.



+ Enlarge this image

Giant swells on Sunday left debris on the Queen's Road near Vatukarasa Village in Nadroga. Picture: Kitone Tuapati JNr



VISAKHAPATNAM, May 18, 2015

A wakeup call, verily!

Stayhard - Final Sale - Just nu: 20% extra på alla röda priser. Sista chansen t.o.m måndag!
stayhard.se/Final-sale

NIVEDITA GANGULY



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40



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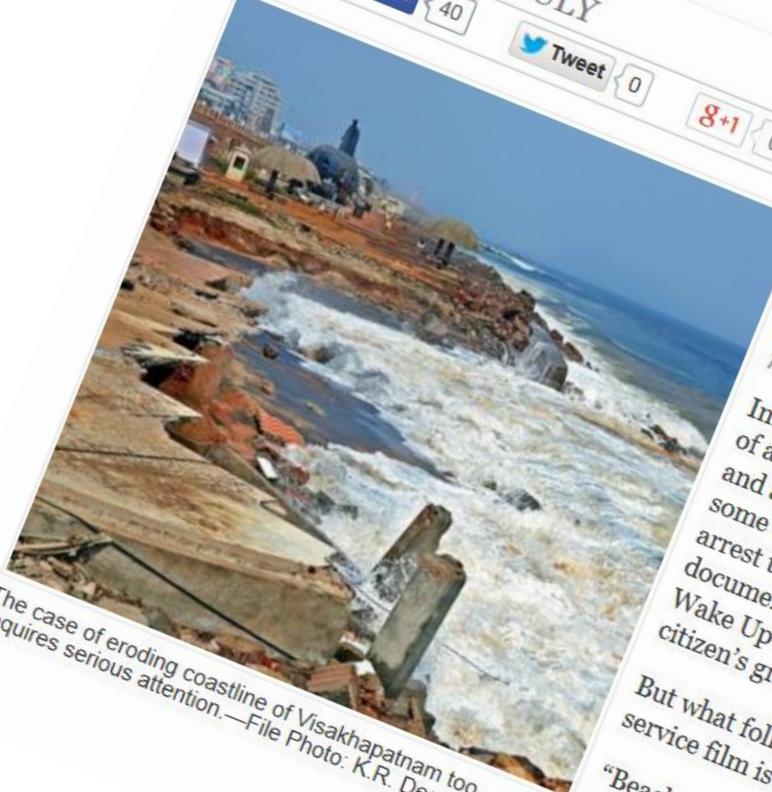
Ads by Google
 1

A documentary on India's disappearing beaches highlights how erosion is triggered by certain construction projects that hinder natural patterns of sand movement.

Images of menacing waves pounding on the walls of a concrete house, worried faces of villagers, and an aerial shot of the eroding coastline are some of the first thought-provoking images that arrest the attention of viewers of the documentary, 'India's Disappearing Beaches – A Wake Up Call', produced by Shekar Dattatri for citizen's group Pondy CAN.

But what follows next in the 15-minute public service film is even more startling.

"Beaches on India's coast are disappearing at an alarming rate. Houses that were built from the high tide line are being washed away. This catastrophic disappearance of coastline is due to the



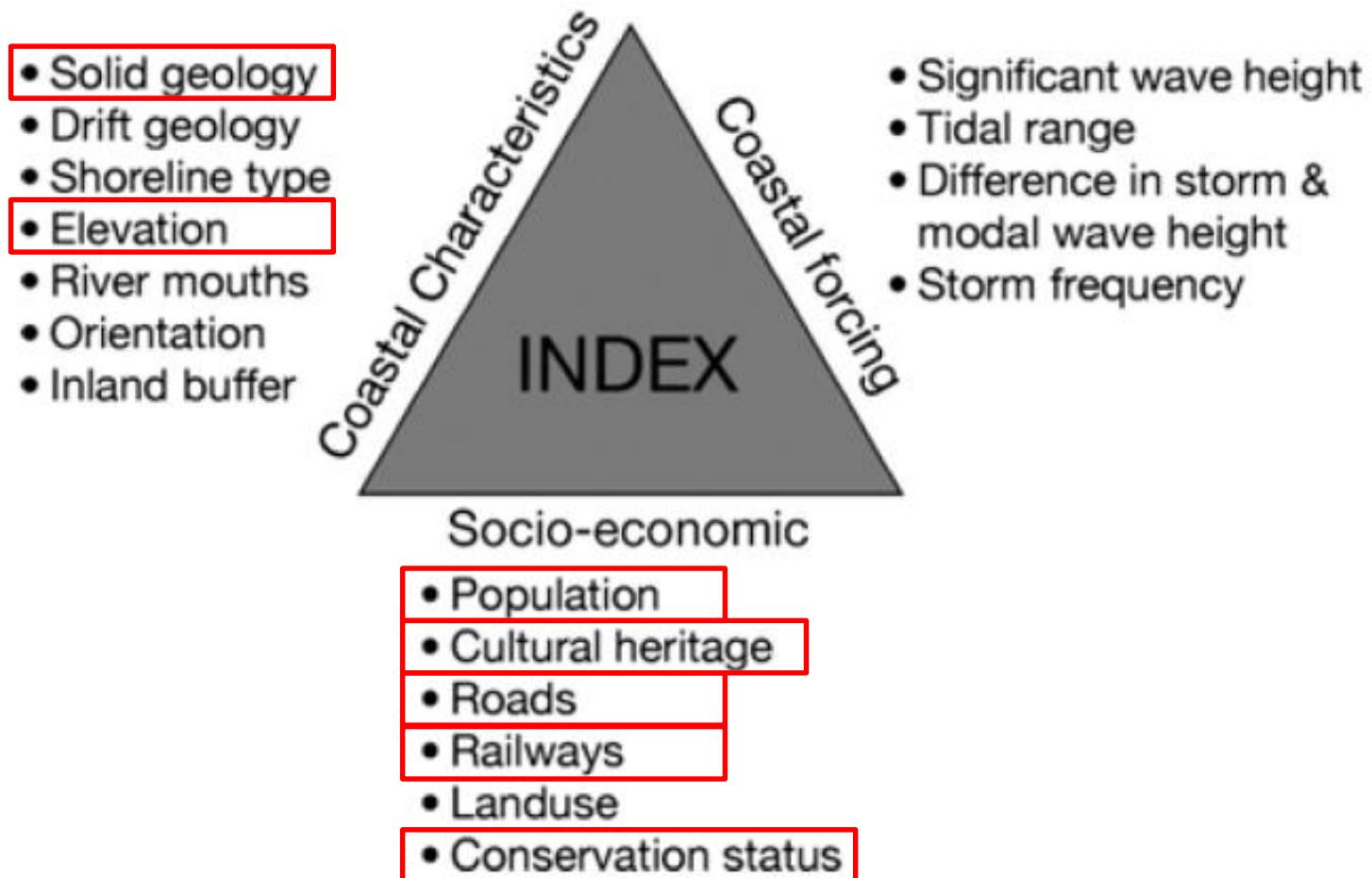
Multi Scale CVI

- Multi Scale CVI, A Cooper and S. McLaughlin,
(University of Ulster, N. Ireland)

- Work in different scales
 - National level
 - Regional level
 - Local level
- Different parameters at different scale



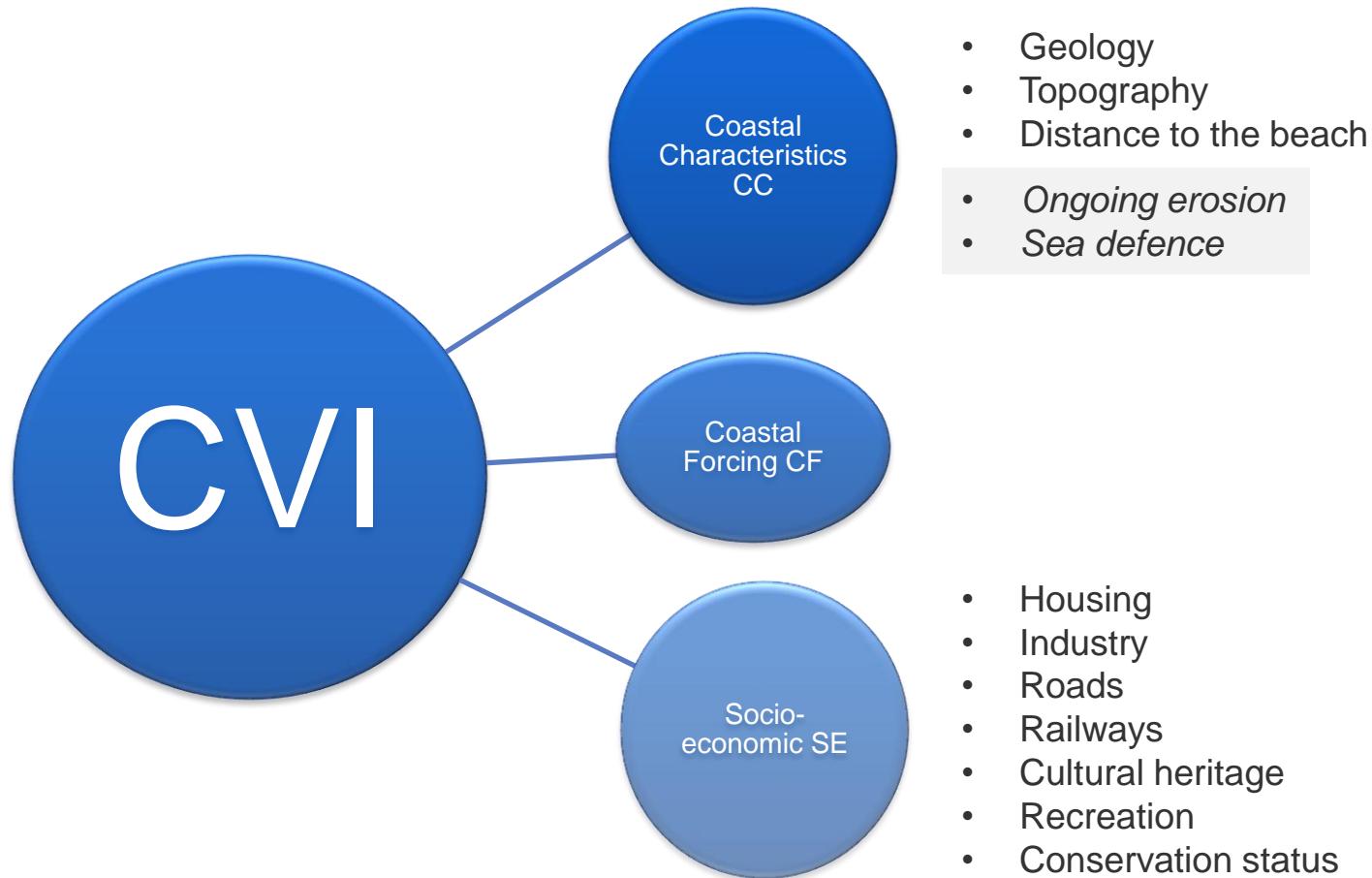
Multi Scale CVI



Multi Scale CVI

Vulnerability = f coastal characteristics
+ coastal forcing + socio-economic

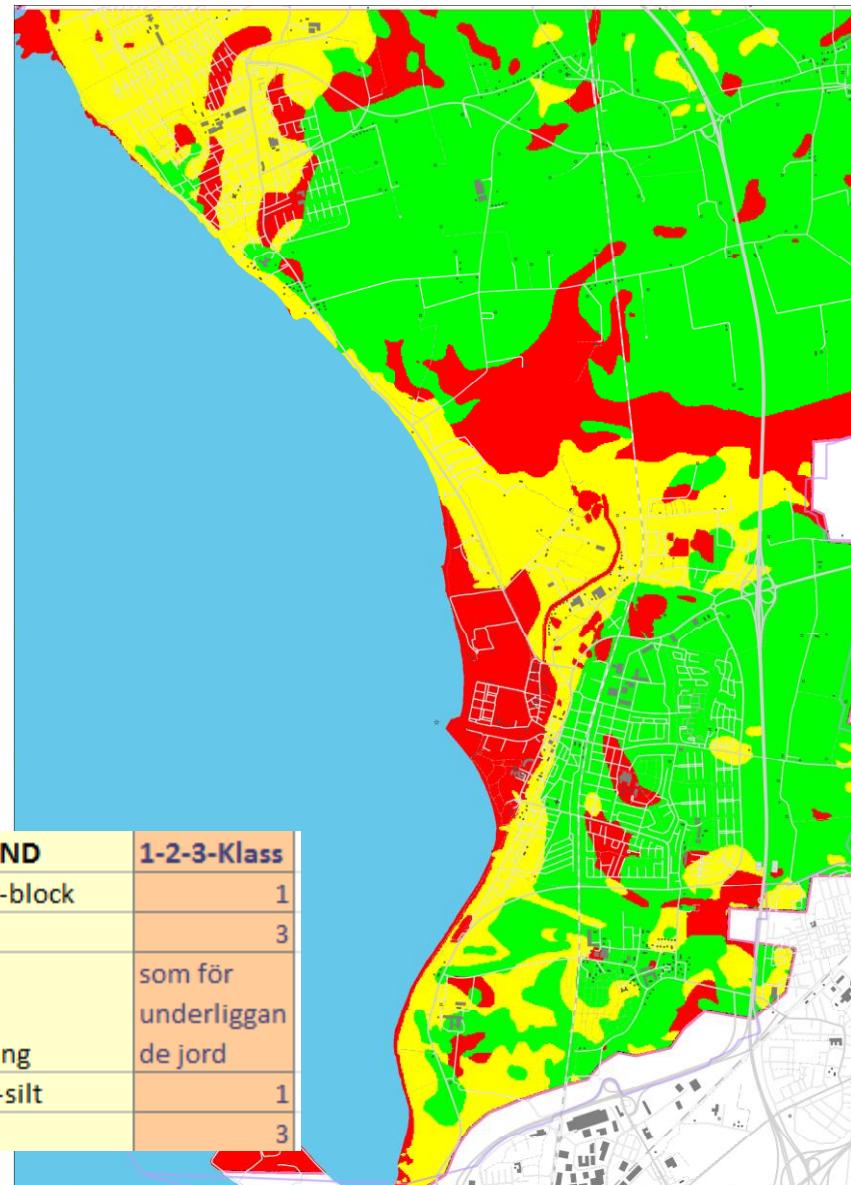
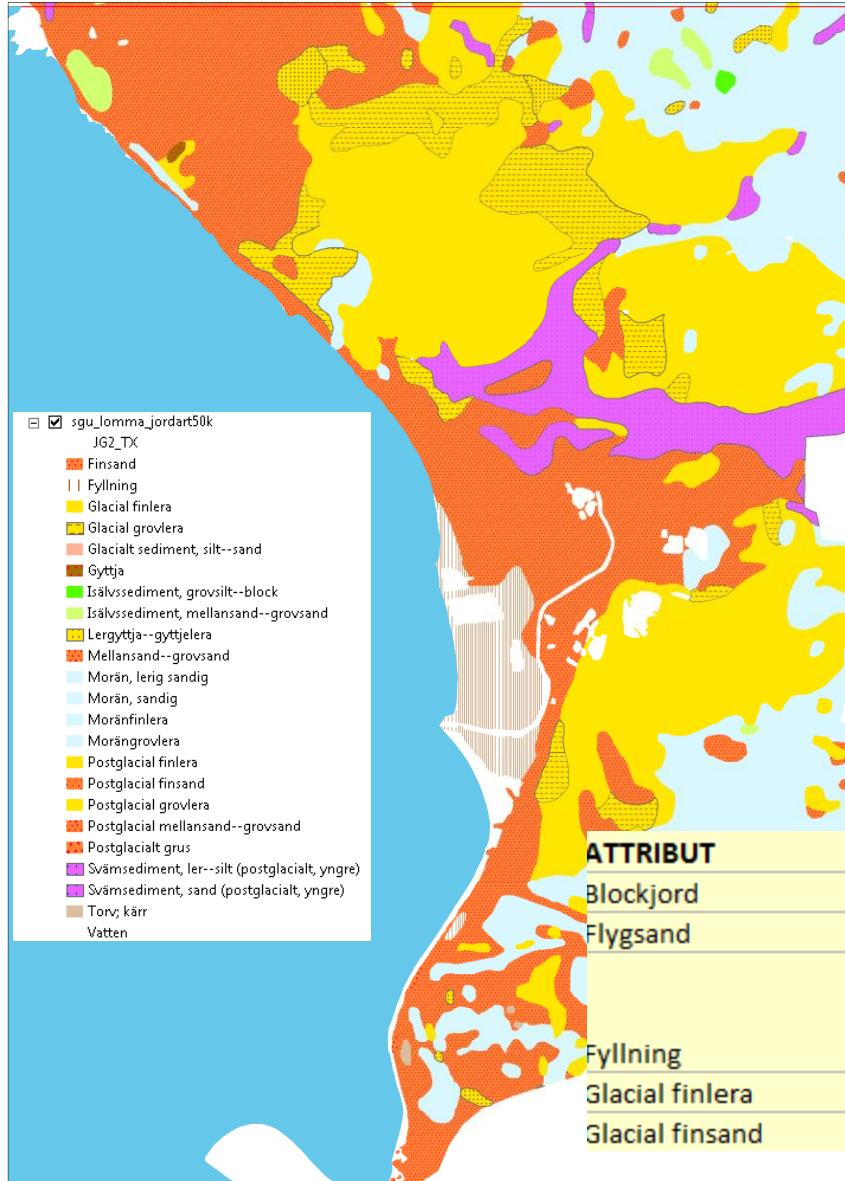
Multi Scale CVI



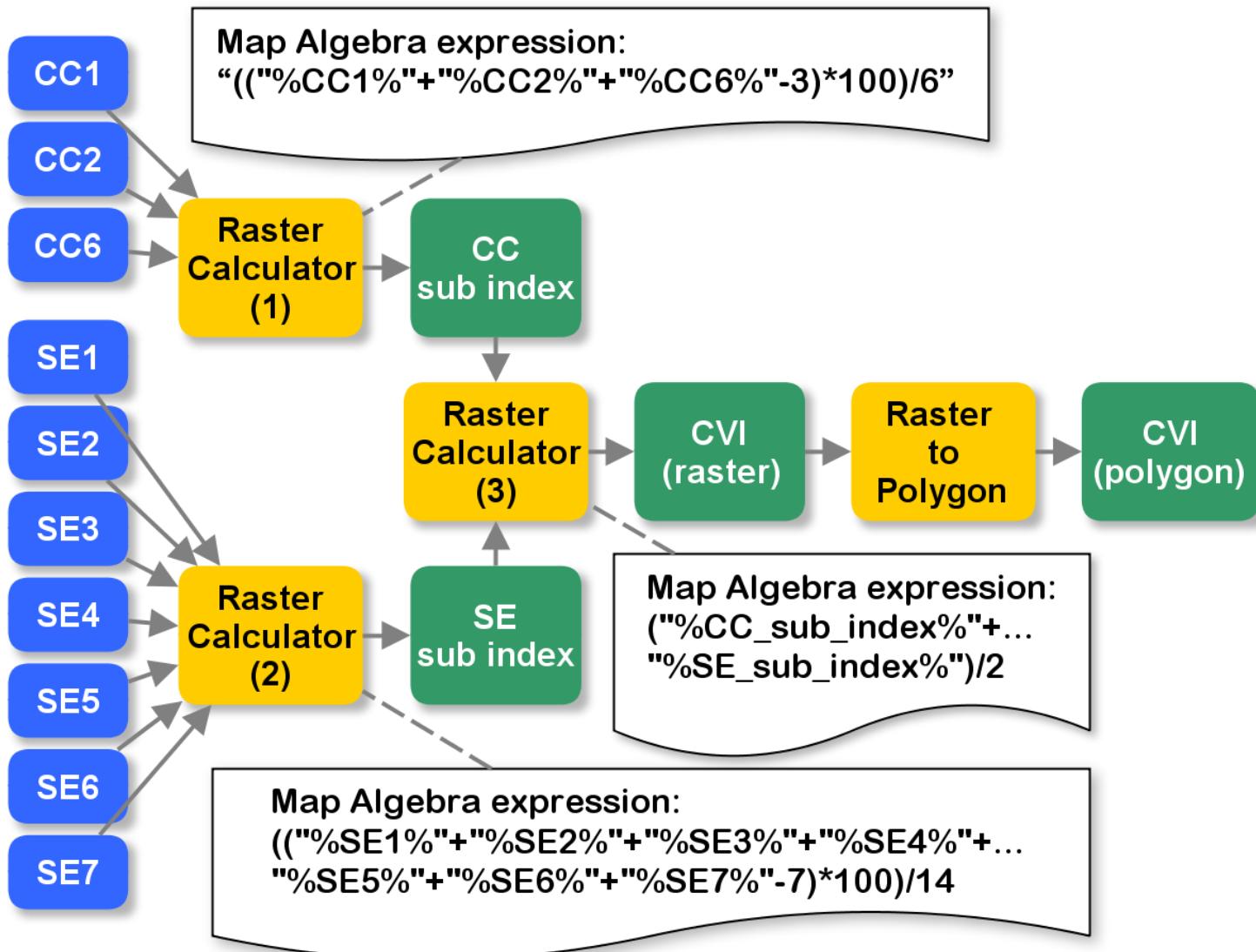
Value for Coastal Characteristics, CC

Parameter/Värde	1	2	3
Geology	Solid material or very little sensitivity for erosion. (solid rock, moraine, hard clay)	Medium sensitivity for erosion. (gravel, coarse sand, silty moraine, clay silt, silty clay and peat)	Easily erodible material. (medium and fine sand, silt and alluvium)
Topography /elevation (m)	>3 MSL.	1-3 MSL	0-1 MSL
Distance to the beach	>200 m	50 – 200 m	0 – 50 m
Ongoing erosion	Presented as a line on the map		
Sea defence	Presented as a line on the map		

Parameter: CC1 - geology



ArcGIS Model Builder



Sub-indices CC och SE



CVI-map



Interactive Web Map

