

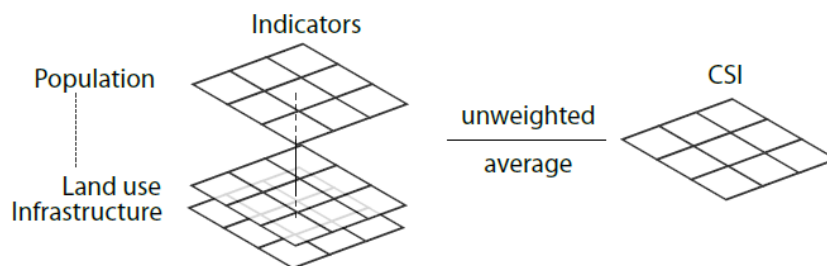
Continuum Suitability Index - CSI

The CSI is a combined analysis of structural landscape connectivity and landscape permeability. The landscape is considered as a Matrix where each part or patch promotes more or less the ecological connectivity. Within the CSI, Ecological connectivity comprises wildlife movement as well as ecological processes. The CSI-Tool is not thought as a planning tool. It rather gives you a first objective survey of the initial situation. The analysis results are a first base of discussion for further planning. For the thematic differentiation the index is structured in several indicators. Each indicator is based on a suitability analysis with one or more criteria. The target of the analysis is always the ecological connectivity which is considered from the topic of the indicator.

In the following table an overview of the CSI Indicators is given:

Type	Explication, Example
Ecological measures	Planned or realized measures
Fragmentation	Degree of fragmentation by human infrastructure
Landscape heterogeneity (Patch Cohesion, Edge Density)	Capacity of stepstones for species migration
Environmental protection	Protected areas, based on legal status
Population	General human pressure, local people and tourists
Infrastructure	Impact of diverse infrastructure
Land use	Coherence of activities with landscape type
Land use planning	Future developments
Altitude and topography	Absolute altitude, energy and slope

The CSI Indicator is the unweighted average of the 10 indicators.



Implementation Graubünden

Der CSI wurde nur für den Perimeter der Bündner Pärke berechnet, da nicht alle Indikatoren über den gesamten Kanton verfügbar sind (COH und ED).

Layer Legende

