Infrastructure INF

Layer Description

Definition: To evaluate the impact of diverse infrastructure on ecological integrity.

Realization: The Indicator consists of linear buildings that, in contrast to the objects within the fragmentation index, fragment the landscape only in a discontinuous or a periodical way for example ski slopes or cable cars. For each cell of a regular grid the distance to the infrastructure elements within a defined radius was calculated. The influence of multiple elements was summed.
Considered infrastructure objects:
- overhead power lines   - avalanche barriers
- cable cars   - ski lifts
- ski slopes   - embankments

Classification: The impact radius of the infrastructure objects was specified based on expert opinions. For this classification an impact radius of 80 m was used. The influence of the infrastructure objects depends on how far they are located and how numerous they are within the impact radius.

Current classification of some predefined situations:

Description	Classification (0-100)
Position located directly on one or more infrastructure buildings.	0
Position located < 1 meter to more than one object	10
Position located < 1 meter to one object.	20
Position located 1 - 5 meters to more than one object	20
Position located 1 - 5 meters to one object.	30
Position located 5 - 10 meters to one object or more object.	30
Position located 10 - 20 meters to one object or more.	40
Position located 20 - 50 meters to one object or more.	40
Position located 50 - 100 meters to one object or more.	50
Position located > 100 meters to one object or more.	70

Layer Legend

- 1
- 10
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- 50
- 70
- 80
- 90
- 100