## Population

## Layer description

Definition: To define the general human pressure in an area by activities and including tourist activities and settlements.

Realization: To attend an appropriate spatial precision the population data has to be refined based on spatial disaggregation. The Population Data is distributed by the factor k, which describes the relation between site density and population density depending on the ratio of residential classes.



population & overnights per hectare

The tourist activities are represented by the overnights per year per municipality. These data was refined by the same distribution like the population data. It was added to the population value in the following way:

population & *tourist activities* = 
$$population + \frac{\text{ovn} * \text{ImpFct}}{365}$$

*ovn*: total overnights per municipality per year

*ImpFct* : factor of impact of a tourist overnight relative to a local inhabitant, it was set to 2 due to the higher recreational activity

Classification: The Residential classes as well as the Population per Hectare values are classified by expert opinions.

Current classification:

Ratio of sealed surface per hectare for the residential classes

<b>Residential class</b>	Ration in %
sparsely rural	9
dense rural	24
sparsely urban	40
dense urban	62

Classification population value

Inhabitants per hectare	Indicator Value (0-100)
0	100
2	90
5	80
9	70
16	60
26	50
43	40
67	30
106	20
172	10
300	0

## Layer Legend

1	L
1	L0
2	20
3	30
4	10
5	50
6	50
7	70
8	30
9	90
1	100