

A rating system for federal roads



Given the lack of appropriate criteria for rating the supply and quality of the network of federal roads in Switzerland, we developed a method that will enable the Swiss Federal Roads Office (FEDRO) to continuously rate any given sections of its federal roadways. The method is based on various key indicators, such as the average annual number of hours lost by drivers in a particular section of roadway due to congestion. The rating results are then represented on color-coded roadway maps.

Our services

- Development of a set of criteria by which to assess quality based on the very latest data
- Ascertainment of the criteria and introduction of a method to assess the achievement of target states
- Drafting of target-state recommendations for each indicator to establish a basis for assessing the quality of any given section of federal roadway
- Testing of the method using a pilot application for the years 2014, 2017 and 2019

Client

Swiss Federal Roads Office (FEDRO)

Facts

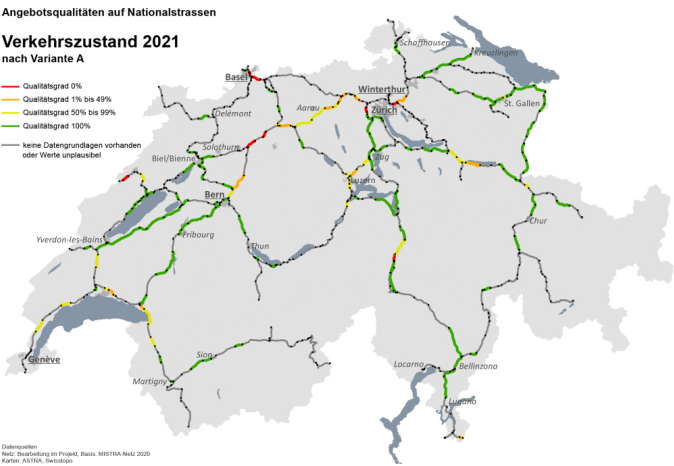
Period 2019 - 2022

Project Country Switzerland

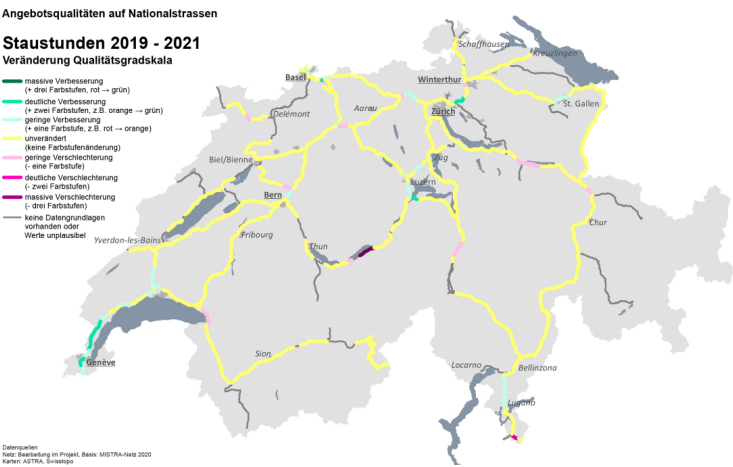
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Map representation of the criterion “traffic status” for the year 2021. Color coding is used to indicate the quality rating for the various sections of federal roadway.



Map showing the annual changes in the number of “congestion hours” from 2019 to 2021. Color coding is used to indicate the change in quality in terms of the criterion “congestion hours”.