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**Software Used:**

ArcGIS for Desktop 10.2

Adobe Illustrator CS6

Scilab

R

Corel Draw X5

**Data Source(s):**

Vector data – Sections of Road and Motorway Network (Road and Motorway Directorate of the Czech Republic), Railway Network (Czech Railway Operator), Landslides (Czech Geological Survey), Flooding zones (T. G. M. Water Research Institute), Database of closed and damaged roads and rail tracks (CDV – Transport Research Centre), ArcČR 500 (ARCDATA Praha)

Grid data – Snow cover (Czech Hydrometeorological Institute)

**Description**

The map describes data on closed roads and highways due to natural processes. The data are related to individual sections and depicted with circular diagrams. It size depends on the number of years when the section was interrupted. It also displays the concrete events during which the section was interrupted. The map also presents landslide and flood hazard based on historical data and computed exposition from digital data of the respective phenomenon. A potential of road and rail track closures from snow cover was estimated.

**Credit Lines:**

CDV – Transport Research Centre, Department of Geoinformatics, 2015