

9.1.1: Country and international resources

Background

Indicator 9.1.1, on the proportion of the rural population who live within 2km of an all-season road, is currently a Tier II indicator. The indicator was chosen based on a previously-established measurement of rural transport access, the **Rural Access Index (RAI)**.

Country examples

(to be developed)

[United Kingdom](#)

Guidance and Methodology

The current RAI methodology is defined in this World Bank document from 2016, [Measuring Rural Access: Using New Technologies](#). The United Kingdom Department for International Development has also funded a Research for Community Access Partnership (ReCAP) programme that has produced supplemental guidelines on the RAI, which are available at: [Measuring Rural Access: Using New Technologies; Supplemental Guidelines](#). These Guidelines refined the 2016 methodology and emphasised the involvement of National Statistical Offices and other government agencies to coordinate in producing an accurate measurement of the RAI. They included a quality assurance process and established how metadata should be stored and recorded.

A Policy Guide and Roadmap has been prepared that sets out the policy interventions required to support the sustainable measurement of the RAI. It also provides a Roadmap to achieve Tier 1 status of SDG 9.1.1 by 2025, available here: <http://research4cap.org/Library/WorkmanMcPherson-TRL-2020-RAI-PolicyGuideRoadmap-ReCAP-GEN2033D-200622.pdf>.

A **proof of concept RAI Measurement Tool** has also been developed and displays the RAI for all countries globally on an interactive geospatial map, based on three open datasets: OpenStreetMap, WorldPop, and the Global Rural-Urban Mapping Project (GRUMP). It also compares in-country data with the open datasets for three sample countries (Malawi, Nepal and Myanmar). The tool is available here: <https://rai.azavea.com>.

The Sustainable Mobility for All (SuM4All) initiative provides input and leverages the RAI in its global tracking framework. More information can be found here: <http://sum4all.org/>.

For further background information on this indicator, users can consult the World Bank data Catalog at <https://datacatalog.worldbank.org/dataset/rural-access-index-rai> which gives a larger overview and lists data and resources, including an RAI tracker.

Examples of the RAI in Action

