Indicator thematic area
Infrastructures
Indicator group
Roads
Attribute ID
IN_ROA_LEN_XXXX
Indicator Name
Road length
Units
m
Data Source
Overture Maps Foundation, overturemaps.org. Accessed on 24/07/2024
Indicator description
Total road length inside the urban center
Methodology
Length calculation in local geographic projection and sum of the features' length inside the urban center.
Methodology Short
Calculate geometry (length)
Temporal Coverage
2024
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Roads
Attribute ID
IN_ROA_DEN_XXXX
Indicator Name
Road density network
Units
m/m^2
Data Source
Overture Maps Foundation, overturemaps.org. Accessed on 24/07/2024
Indicator description
Road network density, total road length inside the urban center divided by the urban center area
Methodology
Division between total length in the urban center and the urban center area.
Methodology Short
Division
Temporal Coverage
2024
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_ALL_XXXX
Indicator Name
Critical Infrastructures Spatial Index
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Critical Infrastructures Spatial Index is an index that spatially explicit indicates the coverage or lack of infrastructures.
Methodology
Sum of the CISI score by urban center, normalized by the maximum value for all urban centers
Methodology Short
Sum and normalization
Temporal Coverage
2020
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_ENE_XXXX
Indicator Name
Critical Infrastructures Spatial Index for the energy sector
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Sectorial CISI is an index that spatially explicit indicates the coverage or lack of infrastructures per sector.
Methodology
Area weighted mean subsector score for the energy system.
Methodology Short
Area weighted average
Temporal Coverage
2020
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_TRA_XXXX
Indicator Name
Critical Infrastructures Spatial Index for the transportation sector
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Sectorial CISI is an index that spatially explicit indicates the coverage or lack of infrastructures per sector.
Methodology
Area weighted mean subsector score for the transportation system.
Methodology Short
Area weighted average
Temporal Coverage
2020
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_WAT_XXXX
Indicator Name
Critical Infrastructures Spatial Index for the water sector
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Sectorial CISI is an index that spatially explicit indicates the coverage or lack of infrastructures per sector.
Methodology
Area weighted mean subsector score for the water system.
Methodology Short
Area weighted average
Temporal Coverage
2020
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_WAS_XXXX
Indicator Name
Critical Infrastructures Spatial Index for the waste sector
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Sectorial CISI is an index that spatially explicit indicates the coverage or lack of infrastructures per sector.
Methodology
Area weighted mean subsector score for the waste system.
Methodology Short
Area weighted average
Temporal Coverage
2020
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_TEL_XXXX
Indicator Name
Critical Infrastructures Spatial Index for the telecommunications sector
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Sectorial CISI is an index that spatially explicit indicates the coverage or lack of infrastructures per sector.
Methodology
Area weighted mean subsector score for the telecommunications system.
Methodology Short
Area weighted average
Temporal Coverage
2020
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_HEA_XXXX
Indicator Name
Critical Infrastructures Spatial Index for the health sector
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Sectorial CISI is an index that spatially explicit indicates the coverage or lack of infrastructures per sector.
Methodology
Area weighted mean subsector score for the health system.
Methodology Short
Area weighted average
Temporal Coverage
2020
Uncertainties & Best practices

Indicator thematic area
Infrastructures
Indicator group
Critical Infrastructures Spatial Index (CISI)
Attribute ID
IN_CIS_EDU_XXXX
Indicator Name
Critical Infrastructures Spatial Index for the education sector
Units
dimensionless
Data Source
Nirandjan, S., Koks, E.E., Ward, P.J. *et al.* A spatially-explicit harmonized global dataset of critical infrastructure. *Sci Data* **9**, 150 (2022). https://doi.org/10.1038/s41597-022-01218-4 Data: A spatially-explicit harmonized global dataset of critical infrastructure (zenodo.org)
Indicator description
Sectorial CISI is an index that spatially explicit indicates the coverage or lack of infrastructures per sector.
Methodology
Area weighted mean subsector score for the education system.
Methodology Short
Area weighted average
Temporal Coverage
2020
Uncertainties & Best practices