

SDG INTERLINKAGES ANALYSIS FOR URBAN SUSTAINABILITY IN AFRICA

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Institute for Global Environmental Strategies

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Localising urban-related SDGs in Ghana, Malawi and South Africa*

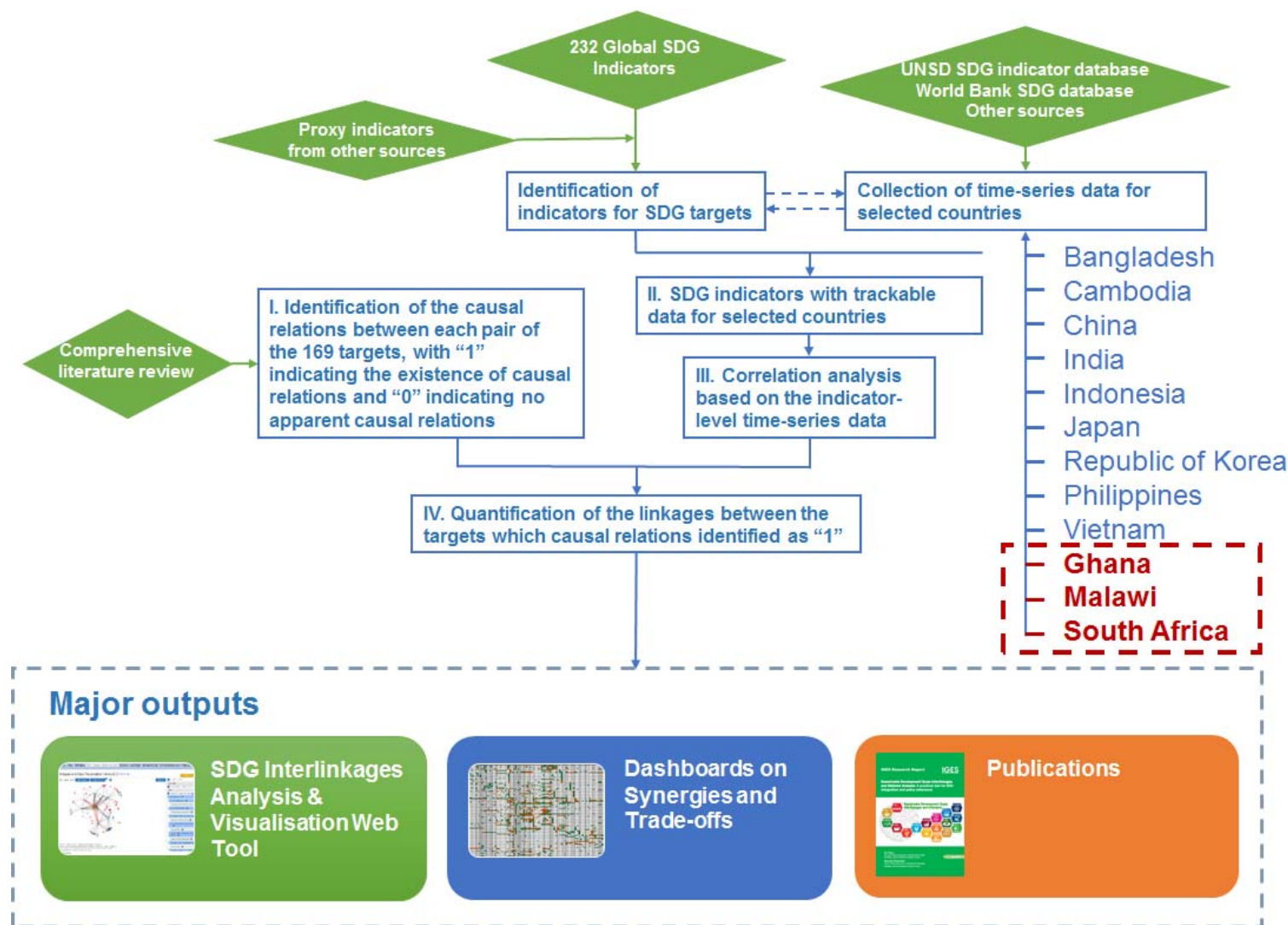
18 March 2019, University of Tokyo, Japan



The SDGs: 17 Goals, 169 Targets and 232 indicators form an integrated and indivisible framework for achieving sustainable development from a systemic perspective

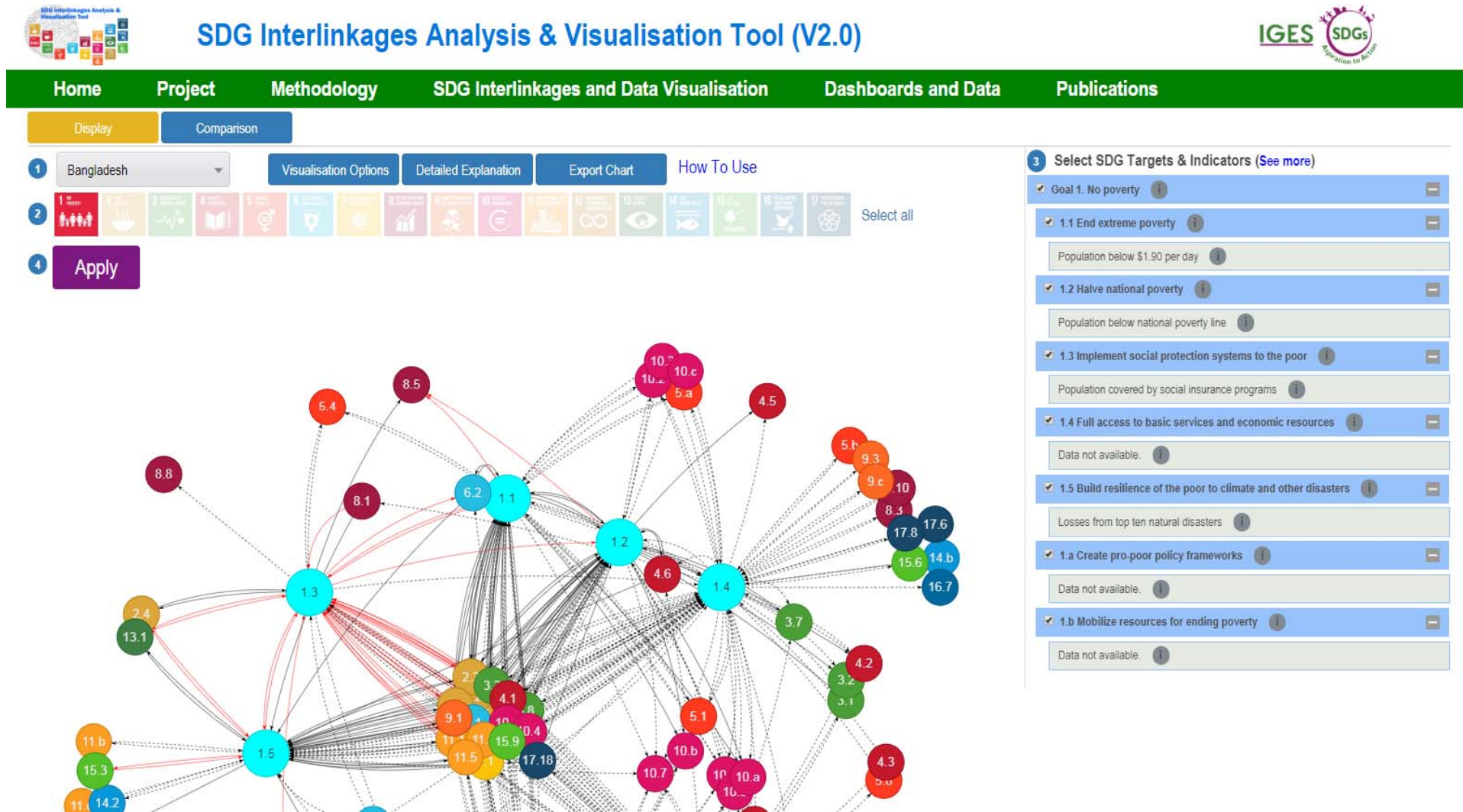


IGES developed a methodology on SDG interlinkages analysis and visualisation









IGES SDG Interlinkages Analysis & Visualisation Tool (V2.0)

(<https://sdginterlinkages.iges.jp/visualisationtool.html>)



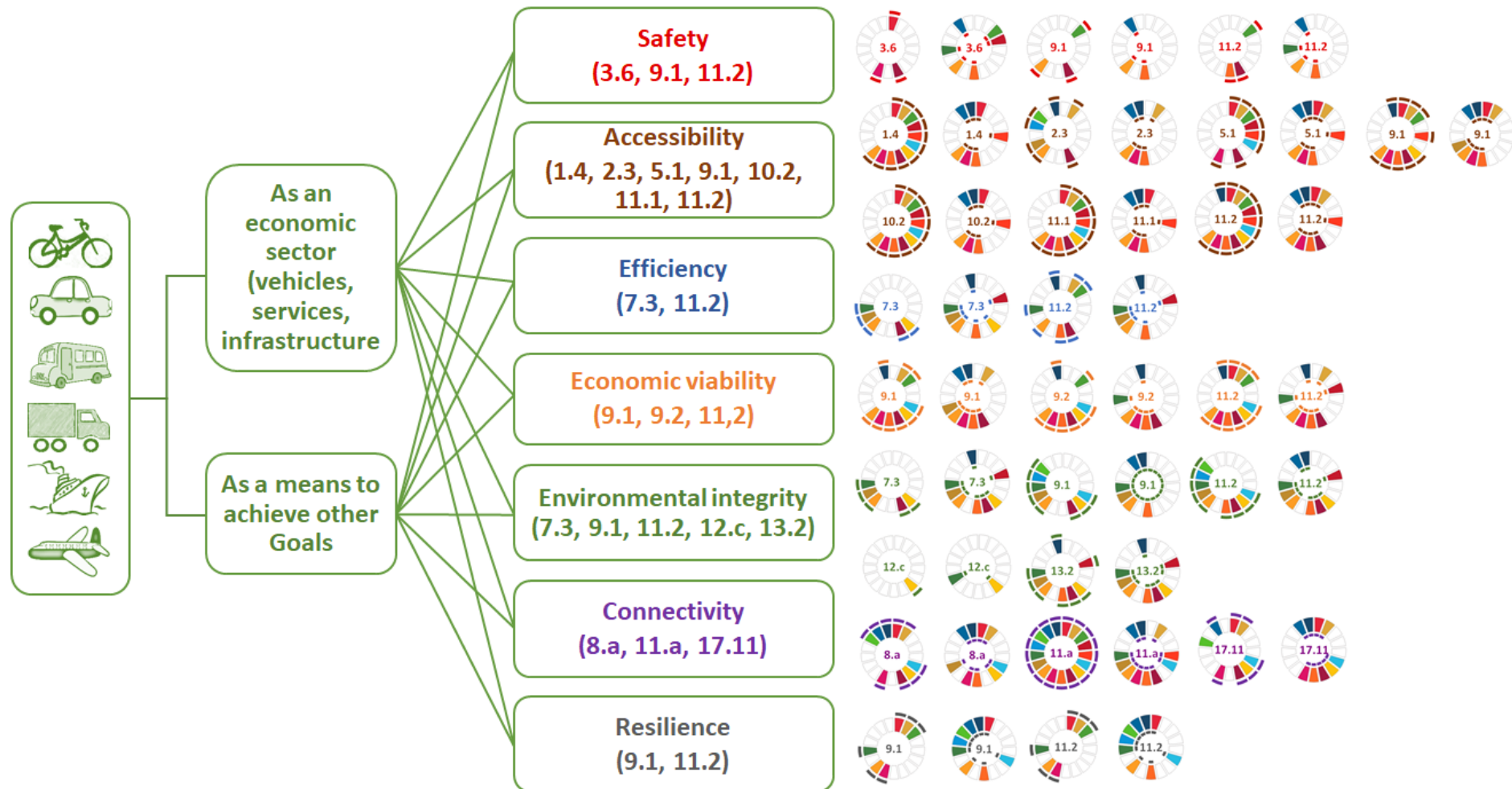
Source: A snapshot taken from IGES SDG Interlinkages Analysis and Visualisation Web Tool.

Applications of the SDG Interlinkages Tool

-  UN ESCAP SDG Helpdesk Toolboxes
https://sdghelpdesk.unescap.org/toolboxes?field_sdgs_target_id=All&title=&page=2 .
-  United Nations Interagency Task Team on STI for the SDGs (IATT), STI Roadmaps related information
<https://sustainabledevelopment.un.org/TFM>
-  A case study for Bangladesh on national priority setting
-  Capacity building workshop in Indonesia, October, 2018
-  On-going project: JICA's project on SDG interlinkages of Goals 9 & 11 in three African countries, KEI's project on the interlinkages between NDCs and SDGs, etc.
-  Applications to thematic issues
 - NDC-SDG interlinkages
 - Aichi Biodiversity Targets and SDG interlinkages
 - SCP and SDGs
 - SDG core indicators

SOUTH AFRICA: SUSTAINABLE URBAN TRANSPORTATION

A conceptual framework for sustainable transport through SDG interlinkages



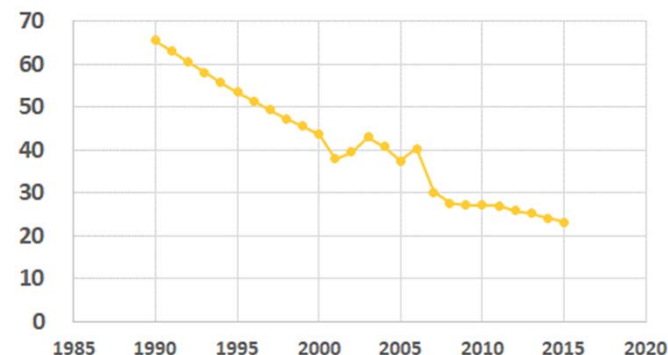
Road safety in South Africa

Relevant SDG targets and indicators

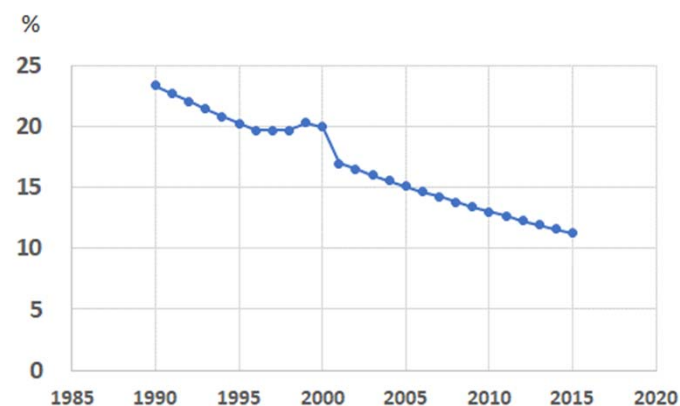
SDG targets	Indicator (Unit)	Safety
3.6 By 2020, halve the number of global deaths and injuries from road traffic accidents	Death rate due to road traffic injuries	Road transport safety
9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all	Not available	Quality transport infrastructure to ensure safety
11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons	Percent of paved roads over total roads (%)	Safe transport system and driving to ensure safety

3.6 Death rate due to road traffic injuries

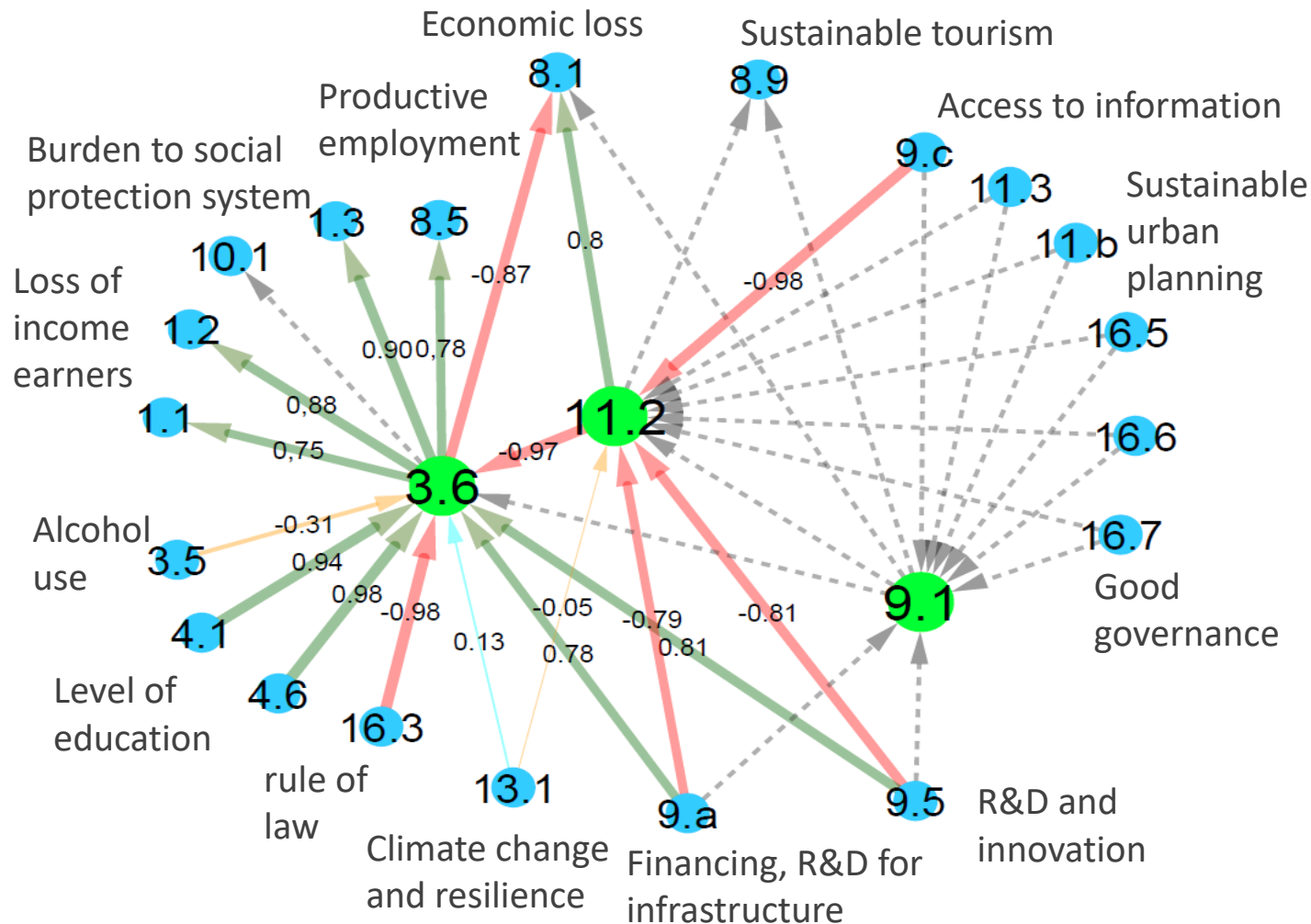
per 1,000 population



11.2 Percent of paved roads over total roads



Road safety and SDG interlinkages for South Africa



- Reducing road traffic accidents (3.6) as a leverage point can generate many social and economic benefits.
- Existing transport system and associated infrastructure (11.2) may constrain further improvement in road safety and should be addressed urgently.

Note: Solid line - quantified link; Dotted line – link without quantification due to data unavailability;
Green line – strong positive link; Red line – strong negative link; Line thickness – strength of the link;
Arrow – direction of the impact.

GHANA: URBAN-RURAL LINKAGES

Gender inclusiveness in urban-rural linkages

Relevant SDG targets and indicators

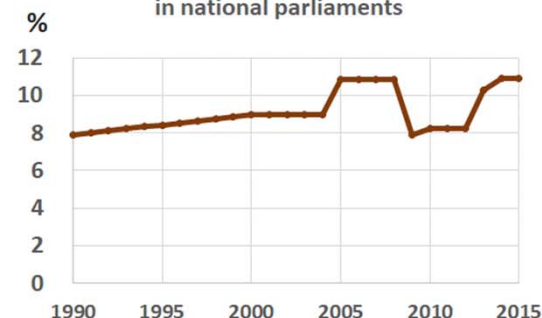
SDG targets

5.5 Ensure women's full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life

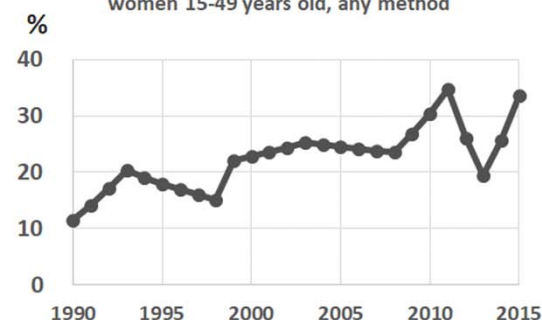
5.6 Ensure universal access to sexual and reproductive health and reproductive rights as agreed in accordance with the Programme of Action of the International Conference on Population and Development and the Beijing Platform for Action and the outcome documents of their review conferences

5.b Enhance the use of enabling technology, in particular information and communications technology, to promote the empowerment of women

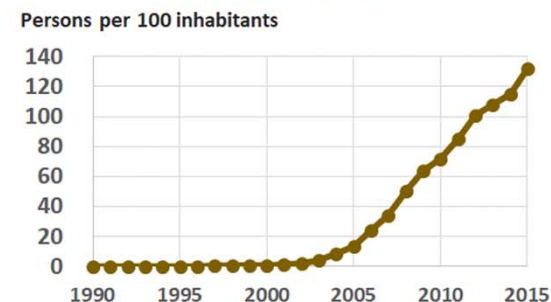
5.5 Proportion of seats held by women in national parliaments



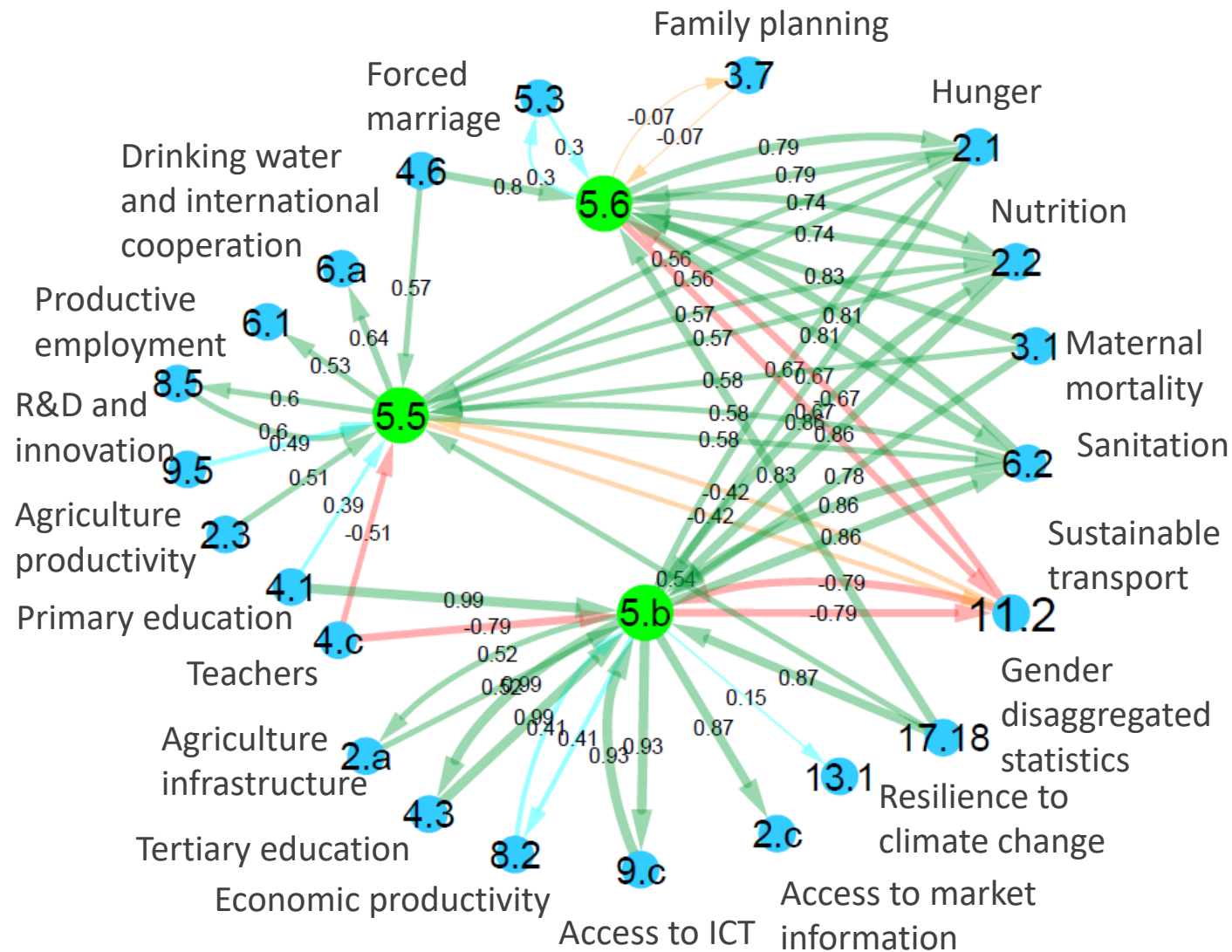
5.6 Current contraceptive use among married women 15-49 years old, any method



5.b Proportion of individuals who own a mobile telephone

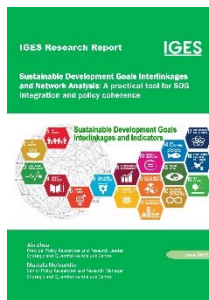


Gender inclusiveness and SDG interlinkages

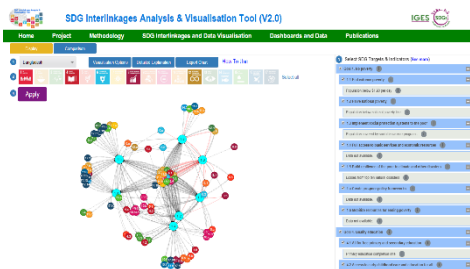


- Gender-inclusive measures, particularly 5.5 and 5.6, generating multiple positive impacts on many social and economic targets, can be used as a leverage point.
- Existing state of transport system and associated infrastructure may constrain further enhancement of gender inclusion should be addressed urgently.

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Zhou, X., Moinuddin, M., 2017. Sustainable Development Goals Interlinkages and Network Analysis: A practical tool for SDG integration and policy coherence. IGES Research Report. Hayama: IGES. Available at:
https://sdginterlinkages.iges.jp/files/IGES_Research%20Report_SDG%20Interlinkages_Publication.pdf.



Zhou, X., Moinuddin, M., Li, Y., 2017. SDG Interlinkages and Data Visualisation Web Tool. Hayama: IGES. Available at:
<https://sdginterlinkages.iges.jp/visualisationtool.html>.