Harnessing SDG Synergies in Post-pandemic Recovery to Accelerate Achievement of SDGs 6, 7, 9 and 11

Dr. Xin Zhou

Research Director of Integrated Sustainability Centre Institute for Global Environmental Strategies (IGES)

Dr. Mustafa Moinuddin

Deputy Director of Integrated Sustainability Centre Institute for Global Environmental Strategies (IGES)

HLPF 2023 Side Event: Reviving the Decade of Action: exploring interlinkages and partnerships in water, energy, sustainable production and cities

12 July 2023, Permanent Mission of Sweden to the United Nations, New York, USA



Sustainable Development Goals (SDG): An Interacted and Indivisible System





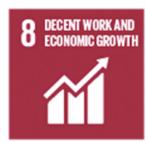
































Importance of Understanding the SDG Interlinkages and Harnessing the Synergies

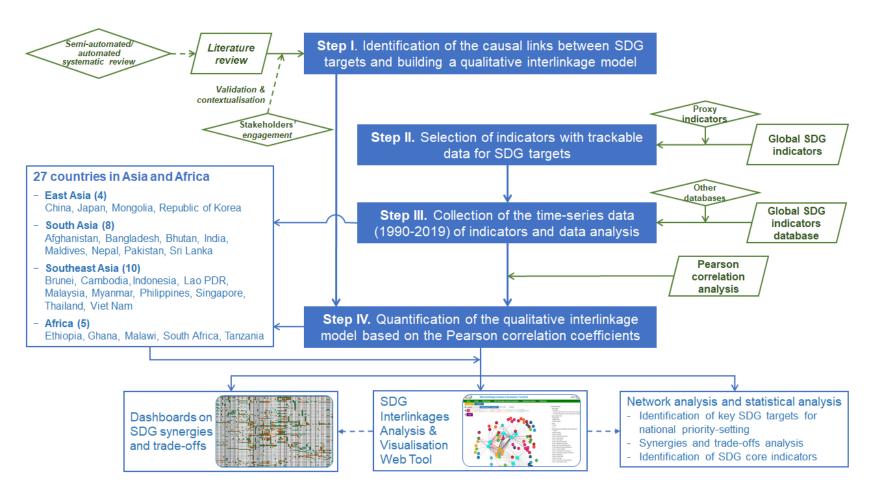
- Understanding the interlinkages is important for taking an integrated approach which helps address policy issues such as:
 - How will achieving one target impact on achieving others and how strong are the impacts?
 - Where are the synergies and trade-offs between the SDG targets?
 - How countries are different in terms of the SDG interlinkages?
 - What are the policy implications for leveraging the synergies and minimizing the trade-offs.



A siloed approach cuts off the interlinkages

An integrated approach takes account of the interlinkages

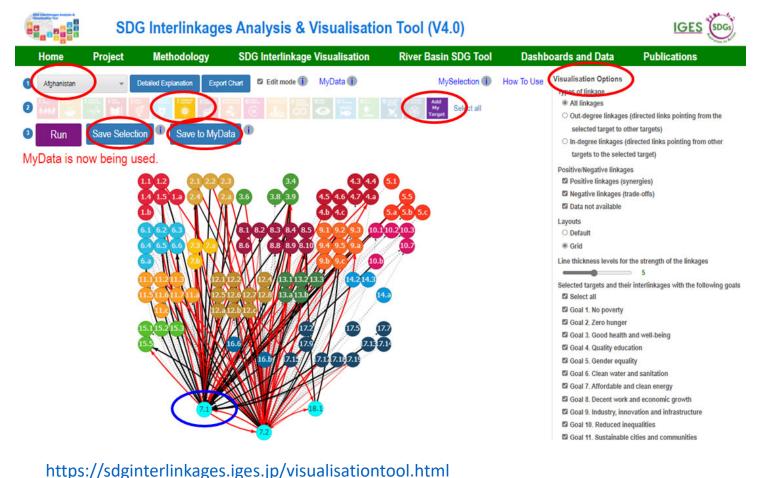
SDG Interlinkages Analysis: Methodology



Source: Zhou, et al., 2021 (https://sdginterlinkages.iges.jp/methodology.html)

SDG Interlinkages Analysis & Visualisation Tool (4.0)

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



- The Tool covers 27 countries including 22 countries in Asia and 5 countries in Africa.
- Users can select a country and targets and visualize the interlinkages of selected targets with other targets.
- Using the Edit Mode, users can save their selections and results or add new linkages or new targets of their own.
- Using Visualisation Options, users can show the interactions in one or two directions, and positive or negative linkages, etc.

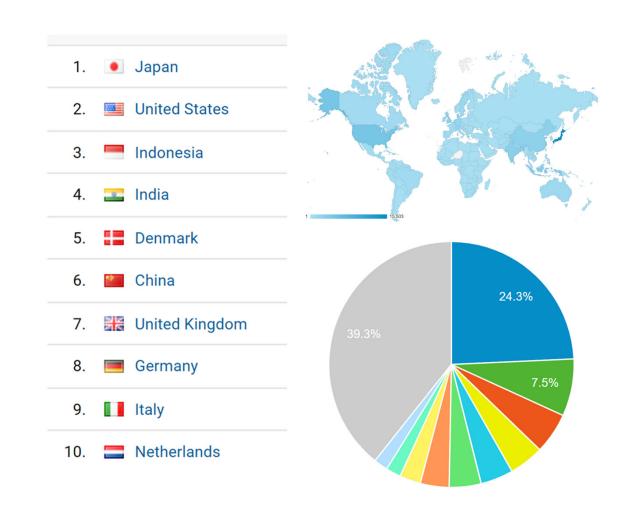
Usage of the SDG Interlinkages Tool (as of 11 July 2023)

Overall usage of tool

- Since its launching, accessed from
 195 countries around the world
 - Accessed 2 or more times from 170 countries
- Total sessions: 63,830

Top 10 countries

- Increased access worldwide
 - More than three-fourth accesses are from outside of Japan



Application of SDG Interlinkages Analysis at the River Basin Scale

Sustainability Science https://doi.org/10.1007/s11625-021-01065-z





SPECIAL FEATURE: ORIGINAL ARTICLE

Synergies and Trade-offs between Sustainable Development Goals and Targets



Development of an SDG interlinkages analysis model at the river basin scale: a case study in the Luanhe River Basin, China

Xin Zhou¹ · Mustafa Moinuddin¹ · Fabrice Renaud² · Brian Barrett³ · Jiren Xu² · Qiuhua Liang⁴ · Jiaheng Zhao⁴ · Xilin Xia⁴ · Lee Bosher⁴ · Suiliang Huang⁵ · Trevor Hoey⁶

Received: 7 May 2021 / Accepted: 7 November 2021 © The Author(s) 2021 Sustainability Science https://doi.org/10.1007/s11625-021-00929-8





TECHNICAL REPORT



Urban–rural linkages: effective solutions for achieving sustainable development in Ghana from an SDG interlinkage perspective

Gideon Baffoe¹. O. Xin Zhou² · Mustafa Moinuddin² · Albert Novas Somanje³ · Akihisa Kuriyama² · Geetha Mohan^{3,4} · Osamu Salto^{2,4} · Kazuhiko Takeuchi^{2,4}

Received: 10 July 2020 / Accepted: 4 February 2021 © The Author(s) 2021



Using Natural Language Processing for Automating the Identification of Climate Action Interlinkages within the Sustainable Development Goals

Xin Zhou¹, Kshitij Jain², Mustafa Moinuddin¹, Patrick McSharry^{3,4,5}

¹Institute for Global Environmental Strategies, 2108-11 Kamiyamaguchi, Hayama, Kanagawa, 240-0115 Japan; ²Google Inc.; ³Carnegie Mellon University Africa, Kigali, Rwanda; ⁴African Centre of Excellence in Data Science, University of Rwanda, Kigali, Rwanda; ⁵Oxford Man Institute of Quantitative Finance, Oxford University, Oxford, UK. zhou@iges.or.ip, kshitiji@google.com, moinuddin@iges.or.jp, patrick@mcsharry.net

Abstract

Climate action, Goal 13 of the UN Sustainable Development Goals (SDG), cuts across almost all SDGs. Achieving climate goals can reinforce the achievements in many other goals, but at the same time climate mitigation and adaptation measures may generate trade-offs, such as levelling the cost of energy and transitioning away from fossil fuels. Leveraging the Leveraging the synergies and minimizing the trade-offs among climate goals and other SDGs is an imperative task for ensuring policy coherence. Understanding the interlinkages of climate action within the SDGs can help inform about the synergies and trade-offs.

There is a gap in the scientific knowledge about how the

6 CLEAN WATER AND SANITATION



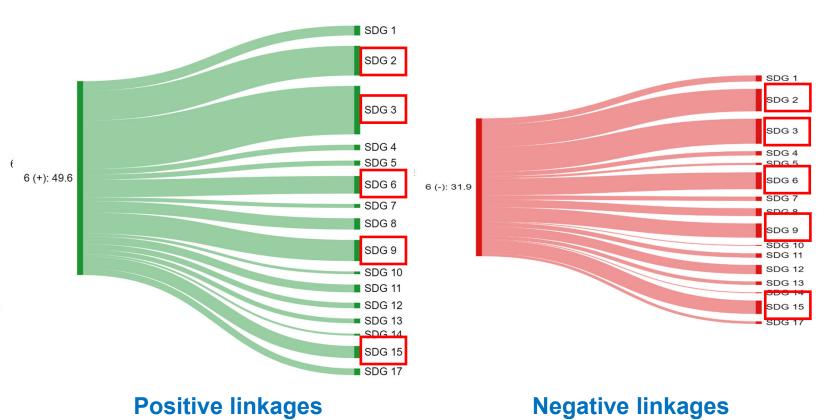
Linkages between
SDG 6 and other
SDGs from an Asian
perspective

- Clean water and sanitation reduce poverty.
- Reliable water access supports agriculture and food security.
- Clean water improves public health.
- Water and sanitation in schools enhance learning.
- Water access empowers women for gender equality.
- Energy supports water and sanitation services.
- Water infrastructure generates employment and economic growth.
- Sustainable water infrastructure drives innovation and industrialization.
- Water access reduces inequalities for marginalized communities.
- Water management promotes resilient and inclusive cities.
- Sustainable water practices align with responsible consumption.
- Water management addresses water challenges in a changing climate.
- Protecting water resources conserves biodiversity below water.
- Protecting water resources conserves biodiversity on land.
- Equitable water access fosters stability, justice and human right.
- Collaboration addresses water challenges through partnerships.





Synergies and tradeoffs of SDG 6 with other SDGs from an Asian perspective



Source: Compiled by authors based on the data of 22 countries in Asia using the SDG interlinkages tool.

7 AFFORDABLE AND CLEAN ENERGY



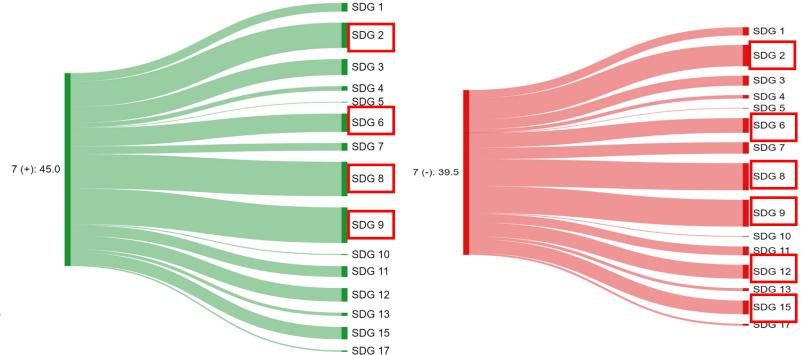
Linkages between
SDG 7 and other
SDGs from an Asian
perspective

- Affordable, clean energy reduces poverty in Asia.
- Sustainable energy improves agriculture and food security.
- Clean energy ensures quality healthcare services.
- Reliable energy enhances educational outcomes.
- Clean energy access empowers women and advances gender equality
- Energy is a critical enabler for clean water and sanitation services
- Affordable, clean energy drives economic growth and job creation.
- Clean energy promotes sustainable industry and innovation.
- Equitable energy access reduces inequalities.
- Clean energy builds sustainable cities and communities.
- Clean energy aligns with responsible consumption and production.
- Clean energy mitigates climate change impacts.
- Clean energy protects marine and terrestrial ecosystems.
- Clean energy supports land conservation and biodiversity.
- Clean energy contributes to peace, justice, and strong institutions.
- Partnerships are essential for sustainable energy development.

7 AFFORDABLE AND CLEAN ENERGY



Synergies and tradeoffs of SDG 7 with other SDGs from an Asian perspective



Positive linkages

Negative linkages

Source: Compiled by authors based on the data of 22 countries in Asia using the SDG interlinkages tool.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Linkages between
SDG 9 and other
SDGs from an Asian
perspective

- SI promotes economic growth and poverty reduction.
- Improved agricultural infrastructure enhances food security.
- Accessible healthcare infrastructure links with better health outcomes.
- Educational infrastructure ensures inclusive quality education.
- Gender-responsive infrastructure promotes equality and safety.
- Infrastructure improves clean water and sanitation access
- Renewable energy and efficient transmission ensures energy access.
- Infrastructure development promotes decent work and economic growth.
- Equitable and resilient infrastructure reduces inequalities.
- SI (e.g. transport) builds inclusive, resilient, and sustainable cities.
- SI promotes SCP patterns, waste management and circular economy.
- SI contributes to renewable energy deployment and building resilience.
- SI considers marine and terrestrial ecosystem conversation.
- SI considers marine and terrestrial ecosystem conversation.
- SI improves disaster response and public safety contributing to peace.
- Mobilize resources and foster technology transfer through partnerships.



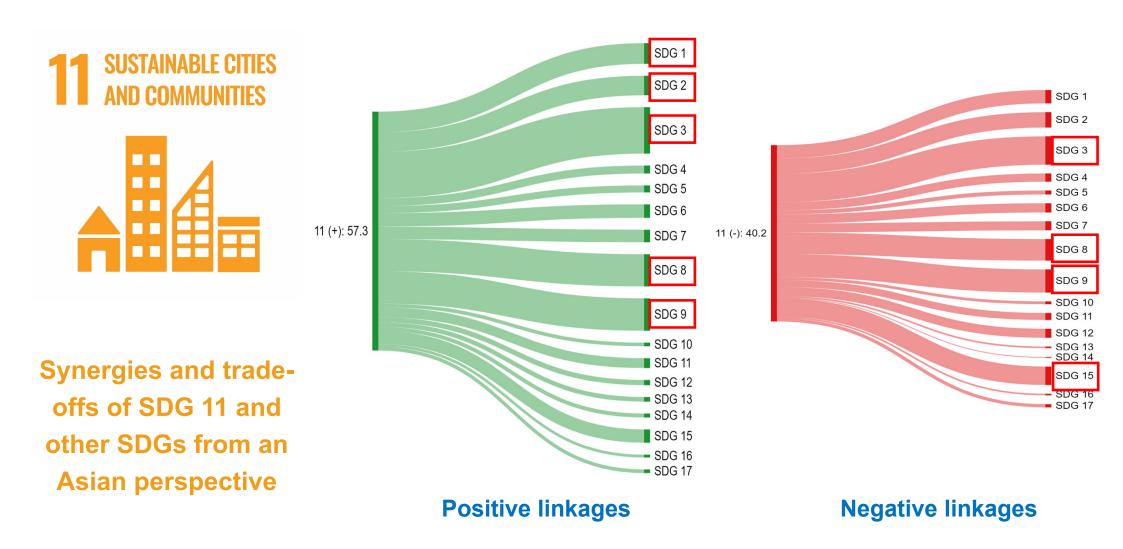
Source: Compiled by authors based on the data of 22 countries in Asia using the SDG interlinkages tool.

11 SUSTAINABLE CITIES AND COMMUNITIES



Linkages between
SDG 11 and other
SDGs from an Asian
perspective

- Promotes housing and services for slums, leading to poverty reduction.
- Urban agriculture in Asian cities supports food security and nutrition.
- Inclusive urban environments promote good health and well-being.
- Accessible educational infrastructure for quality and lifelong learning.
- Gender-responsive urban planning ensures safe public spaces or women.
- Water and sanitation infrastructure supports universal access.
- Efficient energy systems enhance energy access and affordability,.
- Inclusive and resilient infrastructure support decent work and growth.
- Sustainable urban infrastructure promote industrialization.
- Inclusive access to services and housing reduces urban inequalities...
- SCP supports responsible urban development.
- Climate-resilient urban planning contributes to climate action.
- Sustainable urban development aligns with biodiversity conservation.
- Sustainable urban development aligns with biodiversity conservation.
- Inclusive and resilient urban environments foster peace and justice.
- Partnerships are essential for sustainable urban development.



Source: Compiled by authors based on the data of 22 countries in Asia using the SDG interlinkages tool.

The Way Forward: Accelerating SDGs 6, 7, 9, and 11 Through Harnessing Synergies and Managing Trade-offs

- Two ways for SDG acceleration: Harnessing the synergies and managing the trade-offs.
- Integrated Approach: Align policies, foster collaboration, and coordinate efforts across sectors to reinforce progress in SDGs 6, 7, 9, and 11.
- Sustainable Infrastructure: Develop resilient, low-carbon infrastructure with energy-efficient buildings, renewable energy, and sustainable water systems.
- Technology Transfer and Innovation: Facilitate the adoption of clean technologies, promote partnerships, and encourage research institutions and industries to develop innovative solutions.
- Financial Investments and Partnerships: Mobilize resources, attract investments, and engage in public-private partnerships to leverage synergies and mitigate trade-offs.
- Stakeholder Engagement: Involve communities, civil society, and marginalized groups in decision-making and project implementation.
- Data Monitoring and Reporting: Establish robust systems to track progress and inform evidencebased decision-making.
- Policy Coherence and Governance: Strengthen regulatory frameworks, promote transparency, and enhance accountability through effective governance structures.

Integrating climate actions and the SDGs at the sub-national level from an SDG interlinkage perspective

Background: IGES activity related to integrating climate actions and SDGs in West Java, Indonesia

Rationale

- Climate change a pressing challenge of our time
- Response to the crisis: Rapid action across society needed
 - Paris Agreement, various mitigation and adaptation measures at global, national and local levels
- Climate mitigation/adaptation measures impact many sectors and actors
 - Involves synergies/trade-offs, which should be a key element of climate policy.
 - A systems-based integrated approach is needed
 - SDGs offer a suitable framework to understand these synergies / trade-offs
- Particularly relevant at the local level, where integrated planning is feasible
 - Smaller size and lesser number of agencies
 - Limited availability of financial and human resources
- However, integrated policymaking is often absent at local levels.

Purpose and objective of this study

- To develop a qualitative approach to identify the synergies and trade-offs between climate actions and SDGs through local stakeholders' engagement.
- West Java was selected for empirical analysis, due to Indonesia's diversity and commitment to climate and SDG agenda.

Background: IGES activity related to integrating climate actions and SDGs in West Java, Indonesia (cont'd)

Methodology used: Stakeholders' consultation

- Online survey (100 participants) to identify the challenges, synergies & tradeoffs between climate actions and the SDGs
- Focus group discussion (20 participants) to validate the results and receive feedback.

Potential impact

 By integrating the local context through stakeholder engagement, the results of this study can be used to support practical policymaking based on a systems approach at the local levels.

Partnership

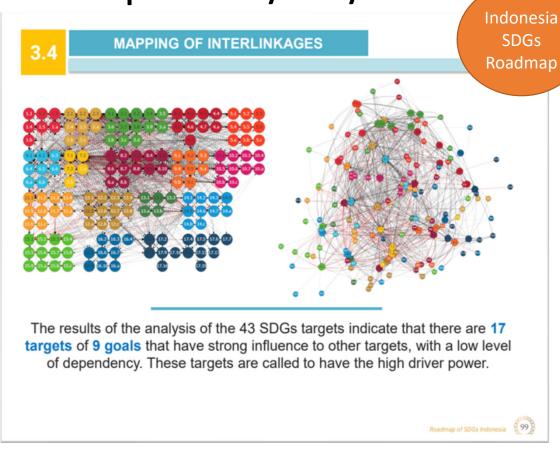


Institute for Global Environmental Strategies (IGES), Japan



Center for Sustainable Development Goals Studies (SDGs Center) Universitas Padjadjaran Use of the IGES methodology in SDG processes in Indonesia

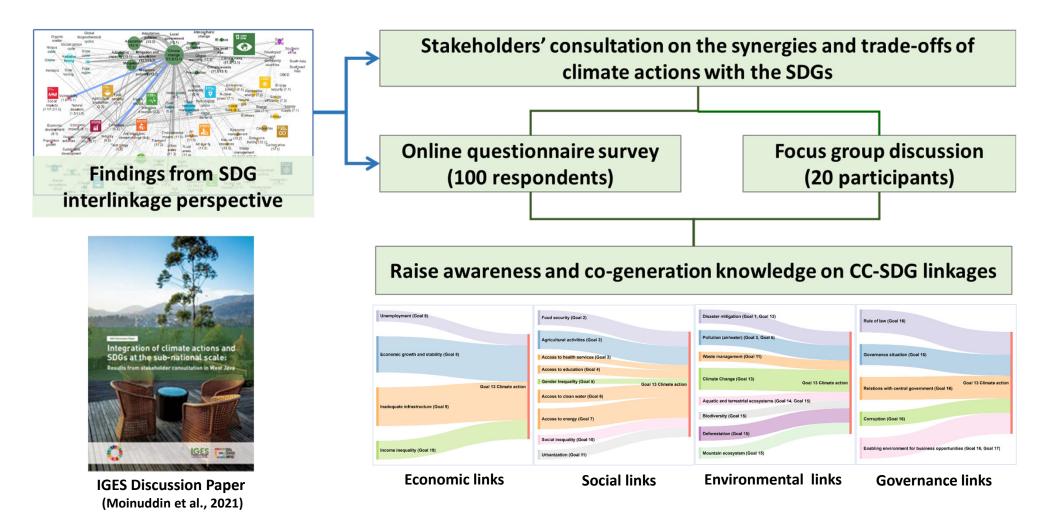
Contributions to Indonesia's SDGs Roadmap and VNR/2021/2019



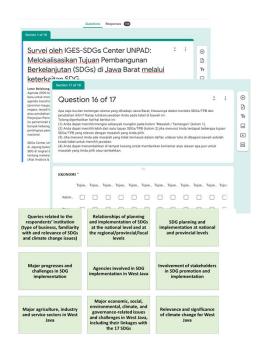
Positive relations exist between many targets in all the goals under review. Some examples of this inkage include Goal 2 in ensuring access to food availability (Target 2.1) which supports the achievement of poverty alleviation (Targets 1.1 and 1.2). Other positive relations are on the information disclosure (Target 16.10), which can support data availability (Target 17.19), increase access for micro, small and medium enterprises (MSMES) to financial services (Target 8.3), and reduce unemployment (Targets 8.5 and 8.6). Meanwhile, the trade-offs between targets occurs in the efforts to maintain economic growth (Target 8.1), if he implementation is not green, it can negatively affect the sustainable food production system and infrastructure (Targets 4.3 and 2.4) which can increase pollution in the form of GHG Figure 3.9). Based on the positive relations and trade-offs between these targets, relevant priority policies in the recovery from the COVID-19 pandemic are aligned with several SDGs target achievements.

In Indonesia's VNR 2021 (p.25-26), IGES Interlinkages Tool was used to visualise positive relations (e.g. access to food and poverty reduction) and trade-offs between pursuing economic growth and impacts on sustainable food production and infrastructure).

Stakeholders consultation in West Java



The process of combining the survey and FGD



Questionnaire survey (100 participants)



Survey results

Focus group discussion (20 participants)

Core issues and problems identified at the FGD meeting

with other			
Specific issues identified in the survey	Survey results: Highest 3 and lowest 2 relevant SDGs	Specific issues identified in the survey	Survey results: Highest Band lowest 2 relevant 50G
income inequality (50G 30)	Paverty eradication (50G I)	Social inequality	Poverty eradication (SDG 1)
ncome inequality (SOG 30)	Food security (SDG 2)	Social inequality	Health (506.3)
hcame inequality (\$06.30)	Health (SDG 3)	Social inequality	Food security(SOG2)
ncome inequality (506 20)	Inclusive and sustainable urbanisation (SOG 11)	Sodal inequality	Indusive and containable orbanisation (EQS 11)
come inequality (506.10)	Overfishing (SOG 14)	Social inequality	Life below water CDG 14)
hemployment (506 B)	Poverty eradication (50G 1)	Urbanization	Poverty eradication (506.1)
hemployment (5.06.8)	Food security (506.2)	Urbanization	Health (50G.3)
hemployment (SOG 8)	Health (SDG 3)	Urbanization	Food security (506.7)
hemployment (SOG 8)	Economic growth and stability (SDG II)	Obanization	Indusive and custainable orbanisation (SDG 11)
hemployment (5.06.8)	Life below water (SOG 14)	Urbanization	Life below water (IDG 14)
hemployment (SOG 8)	Life on land (SDG 15)	Gender inequalities	Gender inequalities (IDG 5)
radequate infrastructure (506 %	He arch (SDG 3)	Gender inequalities	Health (SDG 3)
nadequate infrastructure (5.00 %)	Access to adequate water and sanitation (SDG 6)	Gender inequalities	Foverty eradication (IDG I)
radequate infrastructure (5.06.9)	Access to financial services (50G9)	Gender inequalities	Education (IDG 4)
radequate infrastructure (506 fl)	Governance and institutions (SOG 16)	Gender inequalities	indusive and containable orbanisation (SDG-11)
nadequate infrastructure (506 9)	Gender inequalities (SDG 5)	Gender inequalities	Life below water SDG 14)
conomic growth and stability (SOG B)	Poverty eradication (506 1)	Access to clean water, sanitation and hygien	Access to adequate water and sanitation (SDG 6)
conomic growth and stability (SDG II)	Economic growth and stability (SDG II)	Access to clean water, sanitation and hygien	
conomic growth and stability (50G II)	HE-WITH (\$0.00 JB)	Acors to clean water, sanitation and hygier	Foverty endostos (IDG I)
Major linka	(life below mater (S06 14) (life on land (S06 15) ges of environmental	Major linkages	of governance issu
Major linka	Life on land (SOG 15)	Major linkages	Soverance and institutions (S\$G 16)
Major linkag issues with ot	ges of environmental ther SDGs in West Java	Major linkages with other	of governance issu
Major linkaş issues with ot peditisues blentifed in the survey instichange	ges of environmental ther SDGs in West Java ber SDGs in West Java ber SDGs in West Java	Major linkages with other	of governmene issue SDGs in West Java
Major linkag issues with ot pedficious identified in the survey in stocknape	ges of environmental ther SDGs in West Java Annual Rights and leave 2 relevant SGs Leave grants. Highwat and leaves 2 relevant SGs Leave grants are 1506 181	Major linkages with other Specific inservident lifed in the survey lated line lated line lated line	of governance issue SDGs in West Java Javay with lights lad learn 176 februars 156-16 Governance or free installers 156-16 Governance or free installers 156-16
Major linkag issues with ot peoficians dending the survey inside change inside change	ges of environmental ther SDGs in West Java "Discount and lightest and livest a relevant SOGs and 1506 18	Major linkages with other Sensite the state of the survey hard of the survey hard of the	of government in institution (100 110) of governmente issu SDGs in West Java Javan multi-light-light light-ligh
Major linkag issues with ot preficuent identified in the survey inner change inner change inner change	ges of environmental ther SDGs in West Java [6] Anny sealth lighted and a relevant SGs and a many CGG LB Anny to deliver were an annumber of the SGS from a many CGG LB Anny to deliver were and annumber OGG G from the SGS LB Anny to deliver were and annumber OGG G	Major linkages with other Seeink bases seed feel in the survey be a feel in t	of governance issue SDGs in West Java Javay with lights lad learn 176 februars 156-16 Governance or free installers 156-16 Governance or free installers 156-16
Major linkag issues with ot editions identified in the survey imac change	ges of environmental ther SDGs in West Java (Sonny small lights) at laws 2 referent 500. Sonn solicito 500 is Sonny small lights) and small solicito Sonny small lights) and small small solicito Sonny small lights) (SD 10)	Major linkages with other Sensite the state of the survey hard of the survey hard of the	of government in institution (100 110) of governmente issu SDGs in West Java Javan multi-light-light light-ligh
Major linkag issues with ot get fit sum strettle in the suvey limit their interesting in met shape; limit their shape; limit th	ges of environmental cher SDGs in West Java Spray and the third the there is the third the service of the serv	Major linkages with other Seeink bases seed feel in the survey be a feel in t	of governance issue SDGs in West Java **Compared to light 1 and 1 and 1 are 1 are 1 and 1 and 1 are 1 are 1 are 1 and 1 and 1 are 1
Major linkag issues with ot get fit issue sheatled in the severy inset change inset	the in incl (8018) ges of environmental ther SDGs in West Java (Share) worth lighter I and least 2 release 800. Souther state (SDG) to the SDG share 2 release 100. Souther state (SDG) Souther	Major linkages with other [2] Specific haves identified in the survey Acte of line Link of line	of governance issue of governance issue SDGs in West Java being middly lighted land lowest 2 referents 500 for foreithness and methodology 600 for when the state of the
Major linkag issues with ot jed fit laws identified in the survey line det change linear change line	ges of environmental ther SDGs in West Java (Section 1998) (Sectio	Major linkages with other State of the survey which can be also of the survey when the survey when the survey when other the survey when	of governance issue SDGs in West Java Loon and light last bors? release to the control of the
Major linkay issues with ot pedicises identified in the survey in accompanion of the survey in accompanion in a	Idea and 1801 10. ges of environmental ther SDGs in West Java "Design and highest and sear a detected 100. Design and highest and sear a detected 100. Sales of the sear are or end and sear a 100 to 100 t	Major linkages with other Sent Sent Sent Sent Sent Sent Sent Sent	of governance issue SDGs in West Java Loren with light in at least it west Java Loren with light in at least it west to describe a distribution of the state of
Major linkay issues with ot pedicisors Messified in the survey mes of whee messified in the survey in in	ges of environmental gless of environmental wher SDGs in West Java "Show words light 1 of least of reboot 500. Best to 100 ft. 1 of 1 o	Major linkages with antidire or hydrological with other links are sometimes of the street links are sometimes of the street links are sometimes of the street links. More of the street links are some li	command in Inthibution. (Co.) 15. of governance issue SDGs in West Java Long marks fights had been thereof 50: Sometimes are included to 100: Anne (100) and (100: Anne (100) a
Major linkaj issues with ot pedificiant hatelfed in the untery inter charge inter c	ges of environmental their SDGs in West Java (See Substitution of the Substitution of	Major linkages with other San	of governance issue of governance issue SDGs in West Java Lover and higher had been to desert be- because of the market been to desert be- because of the market book to control and the market book to control book to
Major linkag issues with ot pedicines with ot pedicines blooded in the savery index charge index	ges of environmental cheer SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and SDS in West Javas (1998). The SDS in West Javas (1998) and	Major linkages with other Spanish other Span	of governance issue SDGs in West Java Lever staff in Speller and former life in Lever staff in Speller and Lever staff Lever staff Lever staff in Speller and Lever staff Lever
Major linkaj issues with ot ethica with ot ethica with other than the savey interest headled in the savey interest headled in the savey interest headled in the savey interest headled interest h	And the control of th	Major linkages with other San	of governance issue SDGs in West Java Long the Mest Java Long th
Major linkaj issues with ot egifaliasa historia in 100 array in a charge in a	Mark and 1961 15 Gees of environmental ther SDGs in West Javas Shamanala Magari and was Javas 16 Shamanala Magari and Magari 16 Shamanala Magari and Magari 16 Shamanala Magari 16	Major linkages with a principal of the p	of governance issue SDGs in West Java Lever staff in Speller and former life in Lever staff in Speller and Lever staff Lever staff Lever staff in Speller and Lever staff Lever
Major linkag issues with ot establishment of the company issues with ot establishment of the company into th	ges of environmental ges of the control of the cont	Major linkages with a first plant of the control of	of governmence issues SDGs in West Java Low and Refer let but I dent Reference issues Some and Reference issues And a
Major linkag issues with ot getfation has been been been been been been been bee	ges of environmental ther SDGs in West Java line (SDG) line (SDG	Major linkages with a children	of governmence issues SDGs in West Java The state of th
Major linkaj Major linkaj Susues with On Otto State Major linkaj Susues with On Otto State Susues With On Otto State Susues With One Susues State Su	Mark and 1961 15 Gees of environmental ther SDGs in West Javas (2) Annually (light) of least Johnson 1960 (3) Annually (light) of least Johnson 1960 (4) Annually (light) of least Johnson 1960 (5) Annually (light) (6) Annually (light)	Major Inkages Major Inkages with other Senti Law State St	of governmence issues SDGs in West Java Long such Sign led tool record to and tool tool tool tool tool and tool tool tool and tool
Major linkar issues with other issues with the individual to usery in the other issues with its other issues with it	ges of environmental ges of the control of the cont	Communication and a serial and entitled and	of governance issues SDGs in West Java Lovernance issues SDGs in West Java Lovernance issues Lovernance issues Lovernance issues Lovernance issues Lovernance issues Lovernance issues Lovernance Lo
	Mark and 1961 15 Gees of environmental ther SDGs in West Javas (2) Annually (light) of least Johnson 1960 (3) Annually (light) of least Johnson 1960 (4) Annually (light) of least Johnson 1960 (5) Annually (light) (6) Annually (light)	Communication and a serial and entitled and	of government of the state of t

Economy	Society	Environment and climate change	Governance
Low human resources quality. Lack of job opportunity. Dependence of economic sector of informal activities. Low concern to environmentally safe development approaches. Economic development inequality	High poverty rate. Low human resources quality due to low education service quality. Social and economic inequality. Gender inequality. Inequality in access to education.	Pollution-related problems (industrial waste and domestic waste) Major resource-use related problems Conservation-related problems Other environmental problems	Corruption is the most important problem in West Java. It is strongly correlated with low integrity of the personnel of West Java Government.

Major topics covered in the survey questionnaire

Queries related to the respondents' institution (type of business, familiarity with and relevance of SDGs and climate change issues)

Relationships of planning and implementation of SDGs at the national level and at the regional/provincial/local levels

SDG planning and implementation at national and provincial levels

Major progresses and challenges in SDG implementation

Agencies involved in SDG implementation in West Java

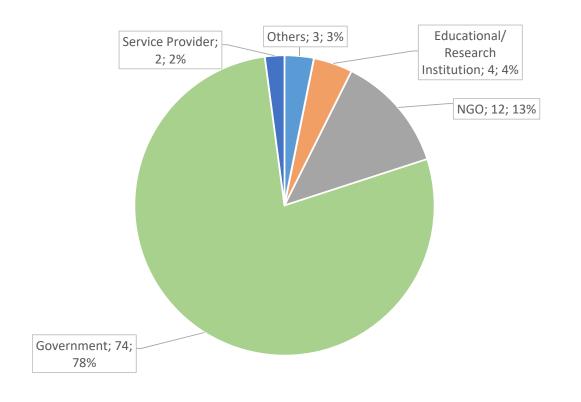
Involvement of stakeholders in SDG promotion and implementation

Major agriculture, industry and service sectors in West Java

Major economic, social, environmental, climate, and governance-related issues and challenges in West Java, including their linkages with the 17 SDGs

Relevance and significance of climate change for West Java

Multistakeholders participation

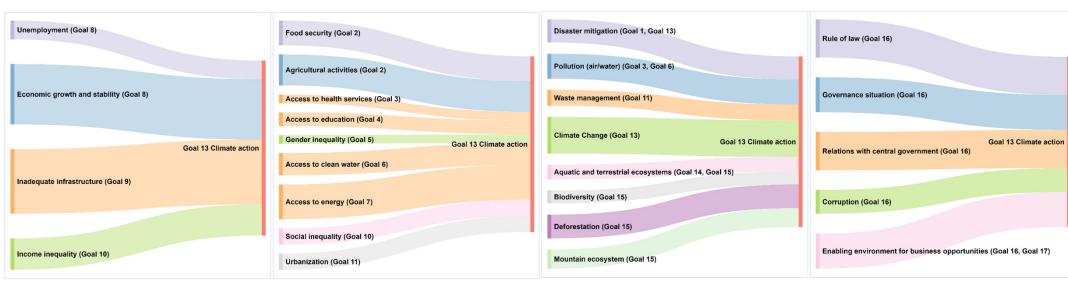


Type of Institutions	Field of Work		
Educational/research institution	 Improving Human Development Index Training, research and community empowerment SDGs localization 		
NGOs	 Policy advocacy Promoting gender equality. Disaster management. Community development Research 		
Government	 Planning, monitoring, evaluation, research and development. Advocacy Provision of public services Drugs eradication Food provision 		
Private sectors	Energy and water management Managing airport Service provider		

Core issues and problems identified by the experts at the FGD meeting

Economy	Society	Environment and climate change	Governance
 Low human resources quality. Lack of job opportunity. Dependence of economic sector of informal activities. Low concern to environmentally safe development approaches. Economic development inequality 	 High poverty rate. Low human resources quality due to low education service quality. Social and economic inequality. Gender inequality. Inequality in access to education. 	 Pollution-related problems (industrial waste and domestic waste) Major resource-use related problems Conservation-related problems Other environmental problems 	Corruption and governance-related problems

Interlinkages of key economic, social, environmental and governance issues in West Java with climate change



ECONOMY

All four key economic issues – especially infrastructure and economic growth and stability – are linked with SDG 13 on climate action.

SOCIETY/COMMUNITY

Many social issues are linked with climate actions (almost 30% respondents highlighting access to energy as a major area)

ENVIRONMENT

Environmental issues linked with climate actions and other SDGs. Climate action itself was linked with health, water, poverty and hunger, energy, and biodiversity.

GOVERNANCE

Rule of law and relations with the central government are highly relevant in West Java's climate actions

Takeaways from this study

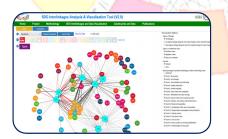
- Overlapping nature of sustainable development and climate actions
 - Integration and co-development of their implementation plans needed
- Understanding these interactions needed to integrate SDGs and climate actions
 - Stakeholder consultations can help design the integrated approach: socio-economic and biophysical characteristics, priorities/challenges facing the region within broader national development plans.
- Integrated approaches can bridge the gap between national and local policy processes.
- Important to provide support for localising the SDGs and climate actions (enabling conditions, such as strengthened governance, institutional arrangements and clarified budget lines)
- Empowering civil society can boost accountability for spending and policy decisions on climate and SDGs
- Knowledge gained from science-based studies, such as an in-depth SDG interlinkage analyses, can provide important insights and support for local policy processes including the development of Voluntary Local Reviews
- Further, the experience gained from this stakeholder engagement activity is expected to feed into similar activities other regions, cities and provinces within and beyond Indonesia

Thank you!

Contact: zhou@iges.or.jp; moinuddin@iges.or.jp



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., 2021. SDG Interlinkages Analysis & Visualisation Tool (V4.0). Hayama: IGES. Available at: https://sdginterlinkages.iges.jp/visualisationtool.html.

