

SUSTAINABLE DEVELOPMENT GOALS

LEVERAGING SUSTAINABLE DEVELOPMENT GOALS INTERLINKAGES FOR ACCELERATION TOWARDS AGENDA 2030

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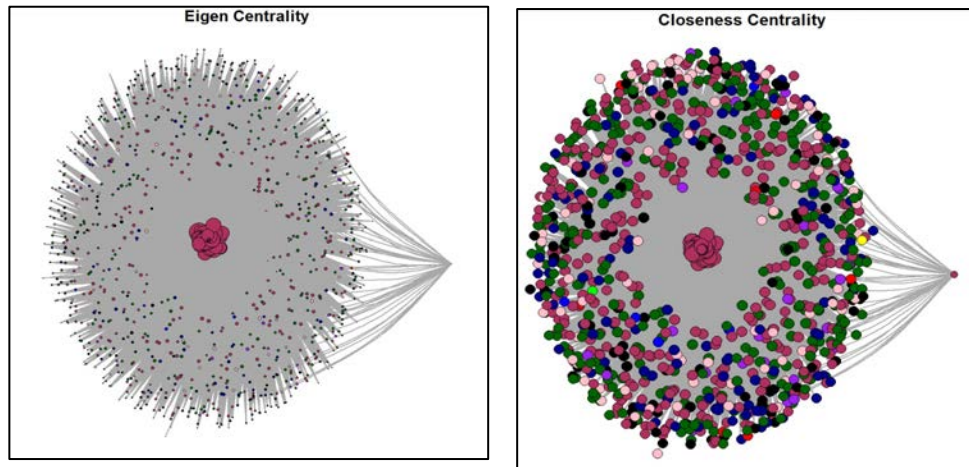
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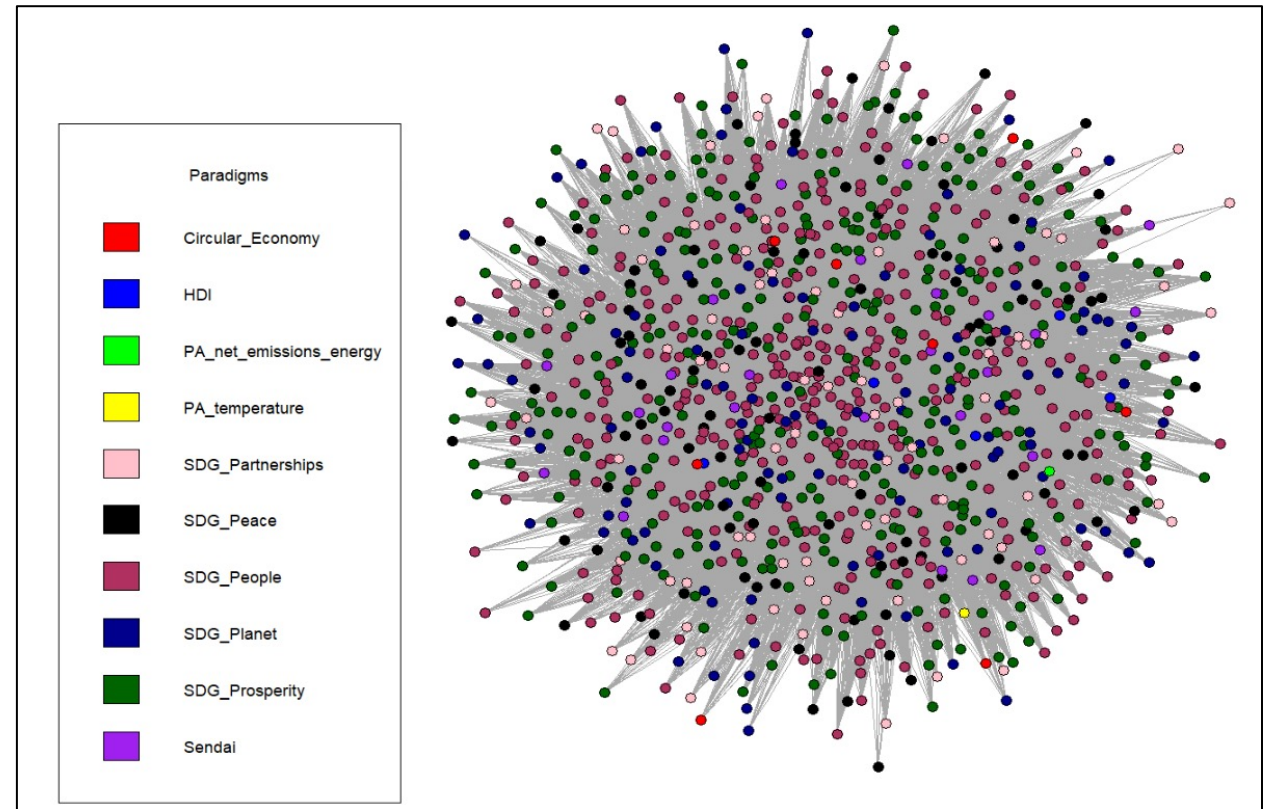
SUSTAINABLE DEVELOPMENT GOALS

- Leveraging SDG interlinkages to achieve acceleration towards Agenda 2030
- Specifically for Energy (SDG 7), Sustainable consumption and production (SDG 8,12), Climate Change (SDG 13)
- Post COVID-19: Reviving the Decade of Action

LEVERAGING SYNERGIES BETWEEN GLOBAL AGENDAS



Set of 28,783 links from 1077 vertices (indicators) at the correlation threshold of greater than +0.8 correlation for European Economic Area countries for 2021



Source: **Bali Swain, R.**, Pritha Dev, Pallavi Rachel George and Shaurya Saxena. 2023. The Development Continuum.

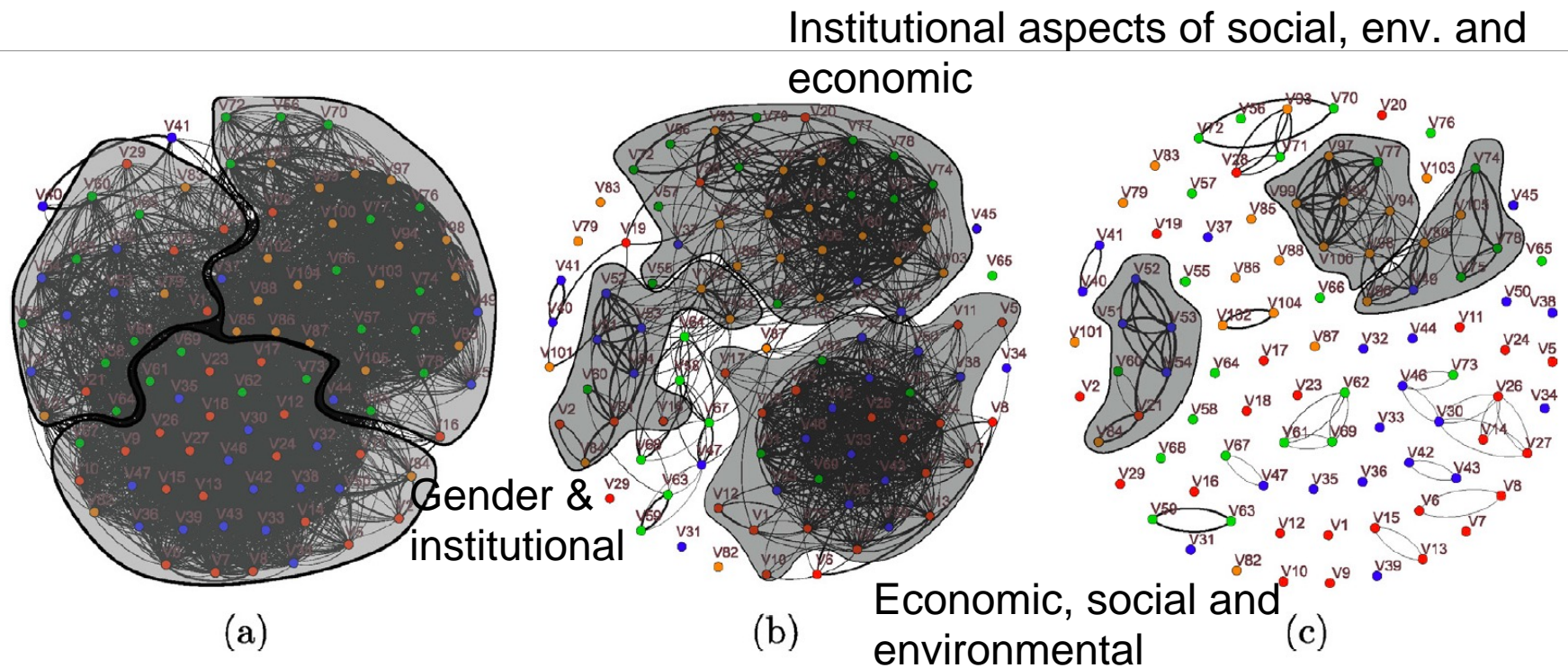


Fig. 1. Correlation networks for SDG target variables for OECD countries with a (a) high threshold, (b) medium threshold, and (c) low threshold. The SDGs have been broadly

INTERLINKAGES

Source: **Bali Swain, R.** and Ranganathan, S. [Modeling Interlinkages between Sustainable Development Goals Using Network Analysis, *World Development*, 138, 105136, 2021.](#)

Interlinkages and SDG 7 (Clean energy)

- Sustainable development, renewable energy transformation & employment impact in the EU

Bali Swain, R. Karimu, A. and Građ, E. [Sustainable development, renewable energy transformation and employment impact in the EU, *International Journal of Sustainable Development & World Ecology*, 2022](#)

- Strong synergy effect between renewable electricity prices, SDG 7 (affordable and clean energy) and SDG 8 (decent work and economic growth).

Bali Swain, R. and Karimu, A. [Renewable Energy and Sustainable Development Goals in the EU, *World Development*, 125\(1\), 2020.](#)

- Higher levels of industry electricity taxes, increase responsible production and consumption (SDG12) and reduces unemployment (SDG8)
-

Karimu, A. and Bali Swain, R. [Implication of electricity taxes and levies on SDGs in the European Union, *Energy Policy*, Volume 177,](#)

INTERLINKAGES AND SDG 8, 12, 13 (SUSTAINABLE CONSUMPTION AND PRODUCTION)

Sustainable Consumption and Production, Volume I
Challenges and Development

Edited by
Ranjula Bali Swain
Susanne Sweet

Sustainable Consumption and Production, Volume II

Circular Economy and Beyond

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SDGS 2020? POST-COVID?

Fig 1. Covid-19 crisis impacts on the SDGs targets Each block in the diagram represents a target, except under SDG13 where P.A. represents the Paris Agreement (see the Supplementary [Information](#) for additional details on the targets). For targets highlighted in green or orange we found published evidence that Covid-19 could potentially affect positively or negatively such target, respectively. The absence of highlighting indicates [the](#) absence of identified evidence. Note that this does not necessarily imply the absence of a relationship.



144 (90%) of the SDG targets negatively impacted

66 SDG sub-targets benefited, provided appropriate decisions continue to be made

Source: Francesco Fuso Nerini, Maryna Henrysson, Ashok Swain, **Ranjula Bali Swain**, [Sustainable Development in the wake of Covid-19](#).

POSITIVE IMPACT ON SUSTAINABLE INVESTMENT

Lin, X. and **Bali Swain, R.** Performance of Negatively Screened Sustainable Investments during the COVID-19 *forthcoming*
 Lin, X. and **Bali Swain, R.** Sustainable Investments and Investor-Surplus During Crisis



Leveraging SDG
interlinkages to achieve
acceleration towards Agenda
2030

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