

# ESTABLISHING THE NETWORK OF TARGETS FOR THE SDGS IN TURKEY

Cengiz Cihan, Ph.D.  
Senior Economist  
UNDP TURKEY

An Analytical Analysis for the Network of SDGs and Their Targets

## NETWORK ANALYSIS OF SDGs & THEIR TARGETS

- The SDGs cover much broader range of issues and are universal, i.e. addressed by all countries ranging from LDCs to Highly Industrialized Countries
- The integration across sectors in terms of strategies, policies and implementation is another important characteristic of the SDGs
- In this context, the proposed goals and targets can be regarded as a network whereby some targets may link with multiple SDGs.
- As it is described in UN DESA (2015), targets which are linked to multiple goals and sectors facilitate integration and policy coherence across sectors.
- UN DESA background paper uses **Social Network Analysis (SNA)** approach to link targets to their specific goals as well as other SDGs. In this setup, targets are included from their own SDG or from other SDGs and these inter-linkages establish the structure of the network of targets.

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- This analysis can also be considered in an **Input-Output Table** structure. More specifically, the determined inter-linkages between targets and SDGs can be framed in a matrix.
- In this framework, **column entries** represent inputs that make contribution to an SDG and **row entries** represent SDGs that benefit from other SDGs. This type of typology makes easier to see the degree of interdependence of each SDG on every other SDGs.
- At the end of the day, this matrix will provide to analyse the direction(s) of causality among the SDGs. This is vital for an effective coordination and an active collaboration.

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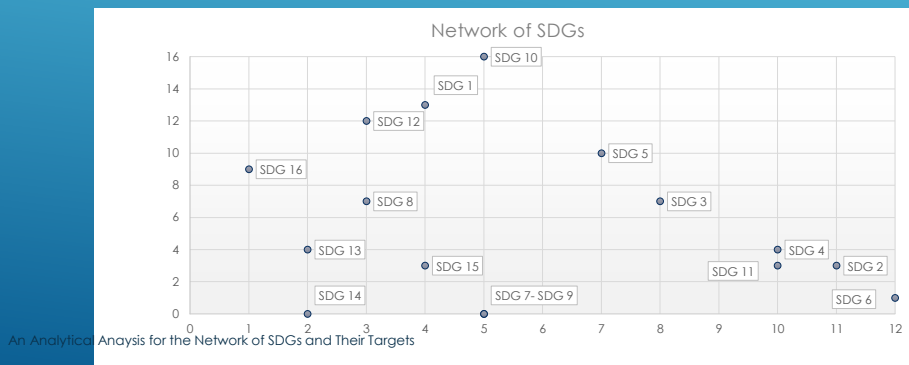
- In this regard, the proposed table is a 107-by-16 matrix and SDGs are represented in columns.
- In the **column entries**, **contributing factors** to each SDG from all targets are given. It has to be stated that these targets include both core and non-core, i.e. targets from other SDGs
- In the **row entries**, **each target's contribution** to its corresponding SDG is given.
- Establishing such a matrix would enable us to see the network relationship among SDGs and targets either one way or two-ways which is highly strategic for the coordination and collaboration for the work of SDGs.
- Furthermore, it will also be possible to link them with the relevant statistical indicators. This is especially critical for an effective feedback mechanism in this work.

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- In the established matrix of the network of SDGs, it is found that there are totally **92** inter-linkages, i.e. the relations between targets horizontally and vertically.
- In the below figure, the horizontal axis denote the number of contributions of each SDG and the vertical axis denote the number of utilizations of each SDG.



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- It has to be emphasized that this figure is constructed in the context of the **universal constraints** rather than any regional and/or national contexts. Therefore, there may have **some amendments** in this network analysis of the SDGs **with regard to the regional and/or national priorities**.
- Last but not the least, the SDGs need to achieve an appropriate balance between the economic, social and environment dimensions of sustainable development.
- The SDGs 1-5, 10-11 and 16 and their targets are mainly focused on social objectives,
- The SDGs 6-7 and 12-15 and their targets are primarily focused on environmental objectives,
- The SDGs 8-9 and their targets are specifically concentrated on economic objectives of sustainable development.

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- It has to be stated that not only global agendas but also national priorities will be critical in this process.
- Therefore, national agendas and initial endowments of national capacities will play a crucial role in the determination process of new interlinkages between SDGs and their targets.
- After effectively determining all the possible inter-linkages between SDGs and their targets, the coordination of SDGs in the national context will be successfully managed.
- It has to be reminded that in this process, the role of statistical indicators needs to be determined in conjunction with the national priorities which will empower the national coordination.
- Consequently, an effective consultation process between UN Country Team and the National Coordinating Institution can be made within these constraints.

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