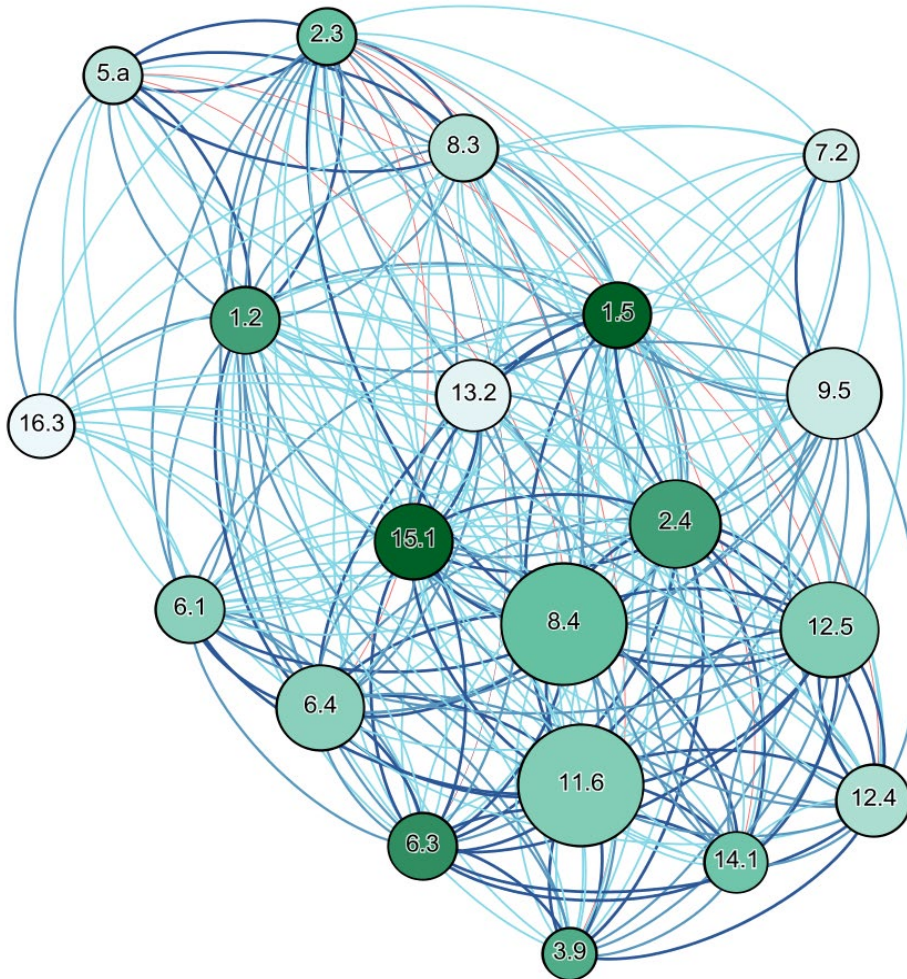


The SDG Synergies Approach to Assess SDGs Interlinkages

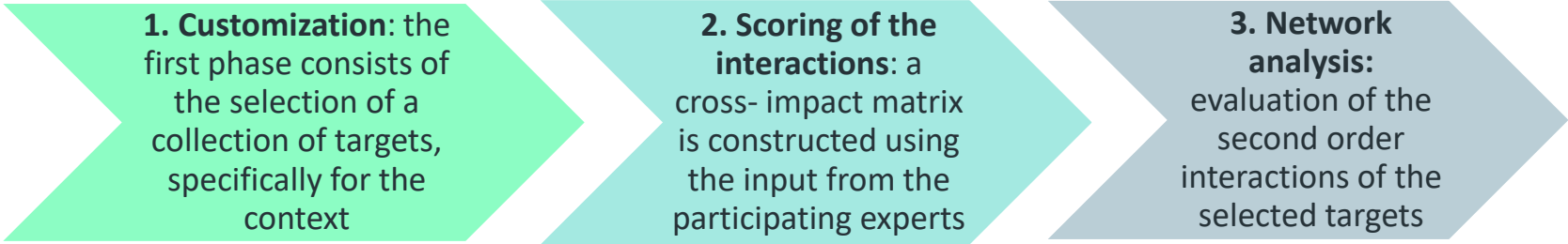
Our approach - We need to understand the system and its interconnections (based on Weitz et al. 2018)



Hypotheses:

- SDGs interactions are contextual
- To fully understand the system, you need to zoom into the national or even local level
- The current methodology uses the support of a web tool to facilitate the analysis

Core steps of the analysis

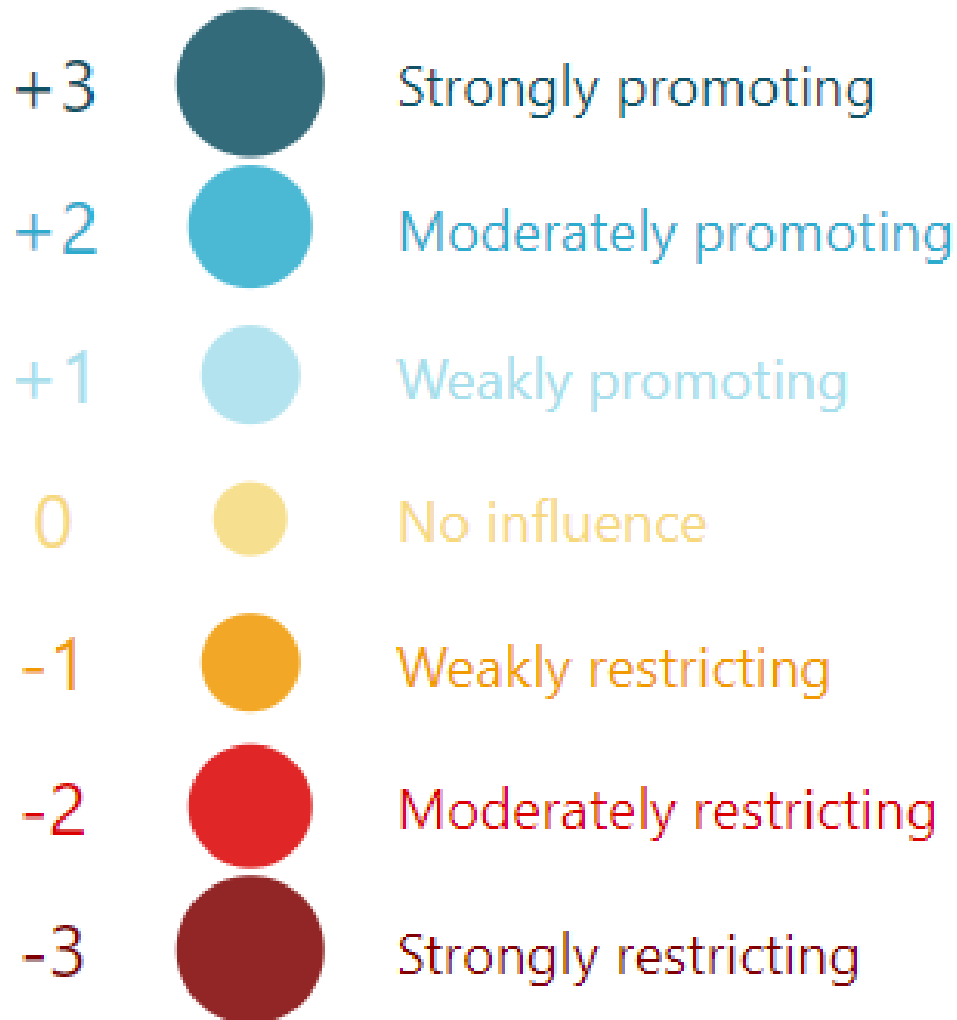


1. Customization: the first phase consists of the selection of a collection of targets, specifically for the context

2. Scoring of the interactions: a cross- impact matrix is constructed using the input from the participating experts

3. Network analysis: evaluation of the second order interactions of the selected targets

Scoring scale



How do we conduct the analysis?



BOGOTÁ, MARCH 2019

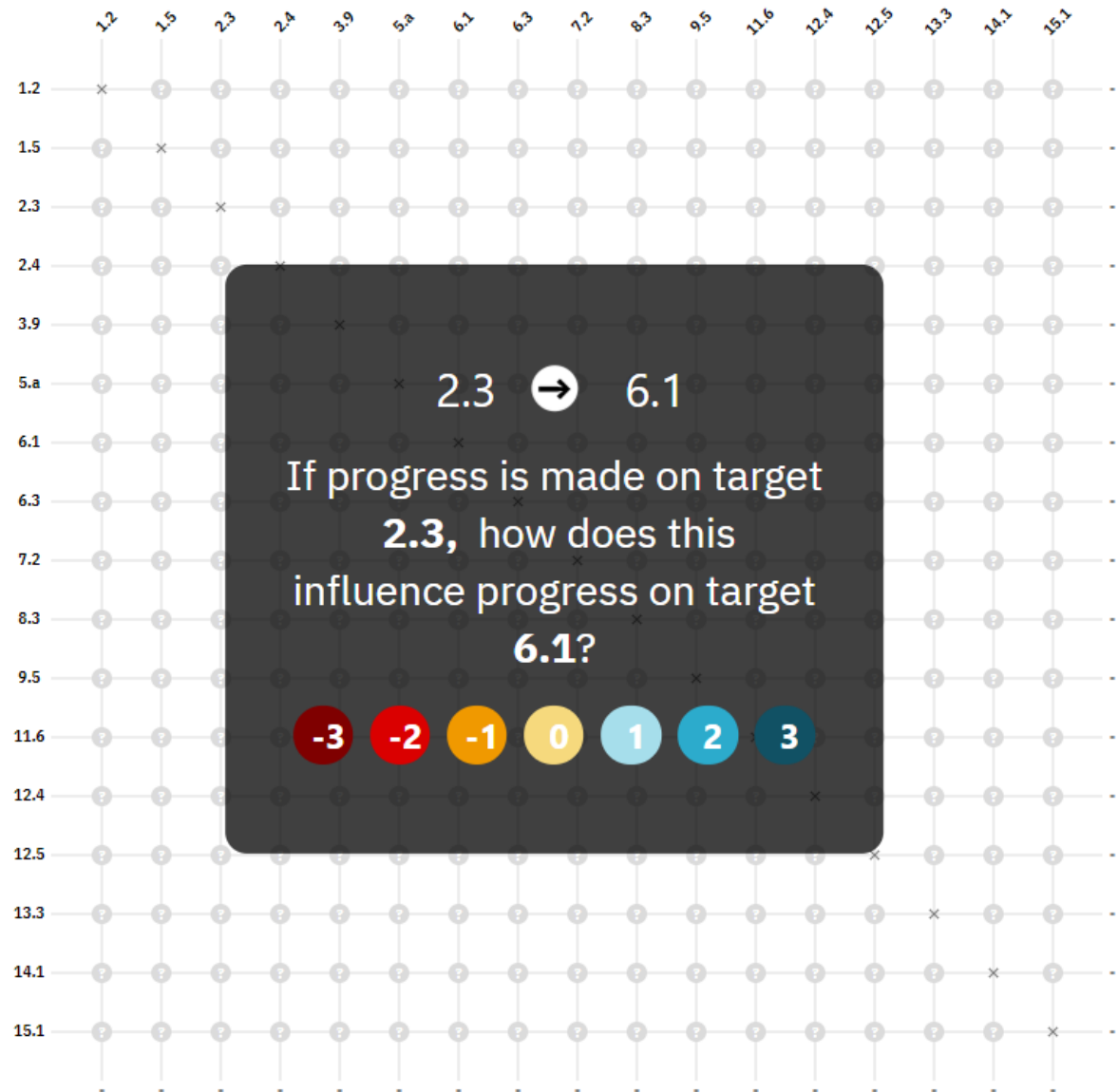
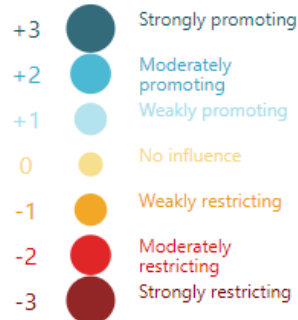


MEDELLÍN, NOVEMBER 2018

The matrix



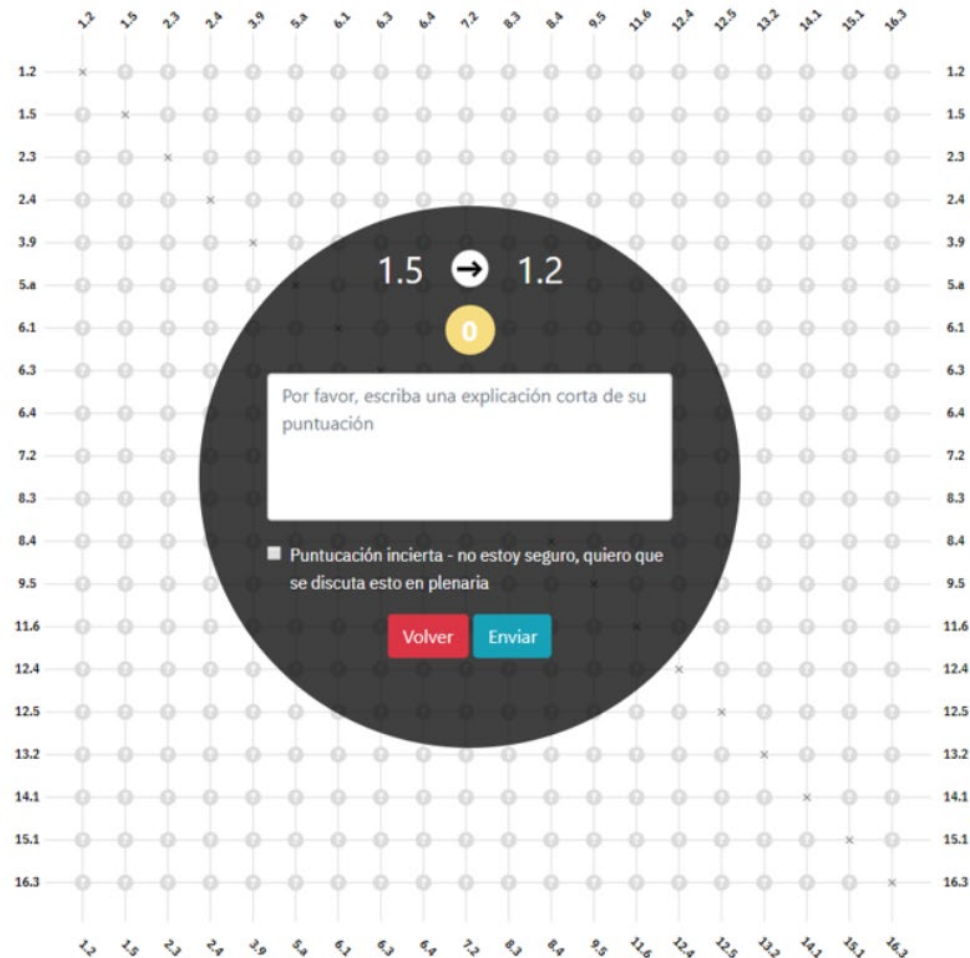
Scoring of target interactions



Explaining the score and uncertainty



Análisis de interacciones

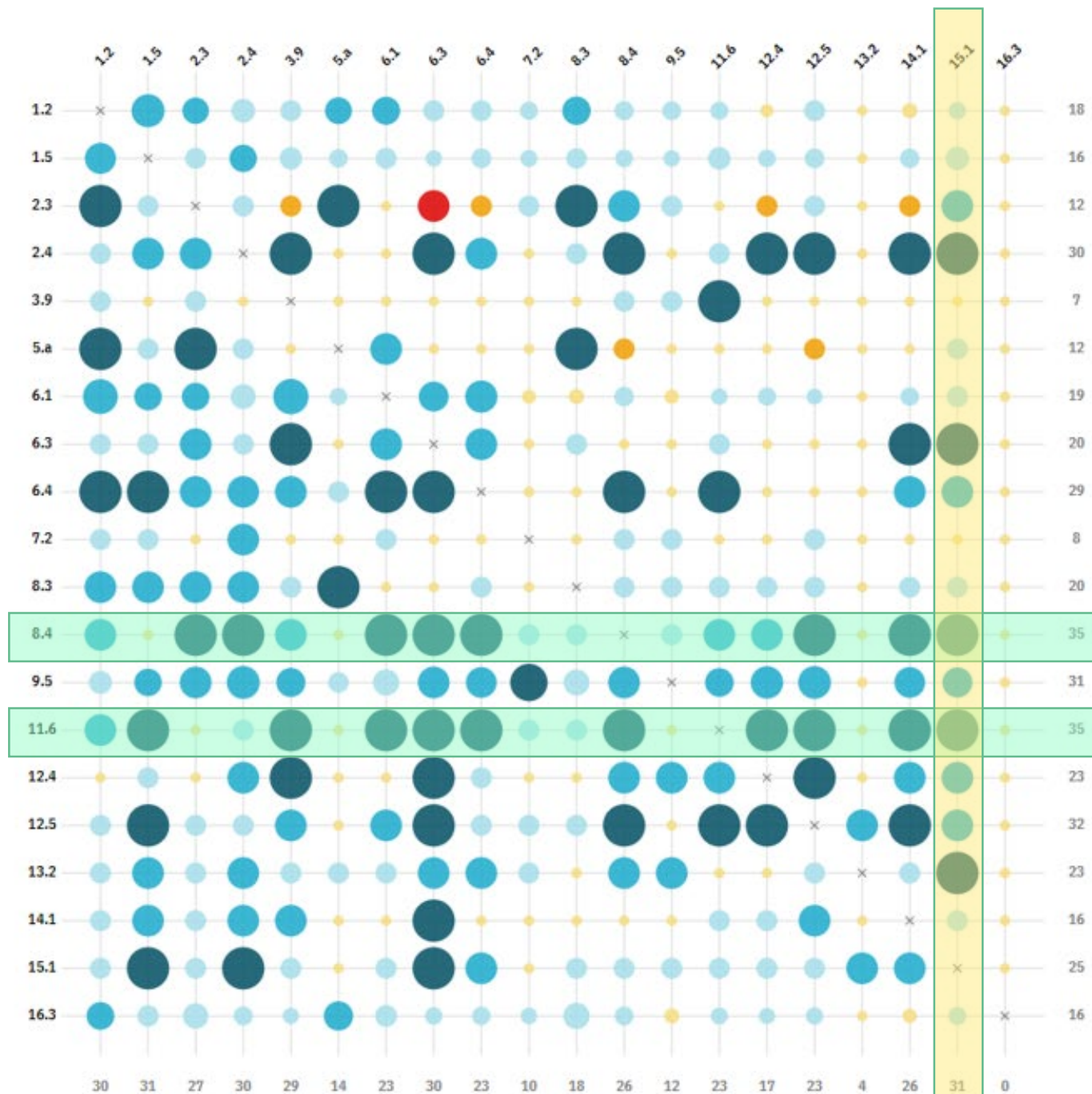


A dense tropical forest with many palm trees and lush green foliage. The image is dark and moody, with the text 'Results' overlaid in white. A vertical white line is positioned to the left of the word.

Results

Foto:
Patrick Tomasso / Unsplash

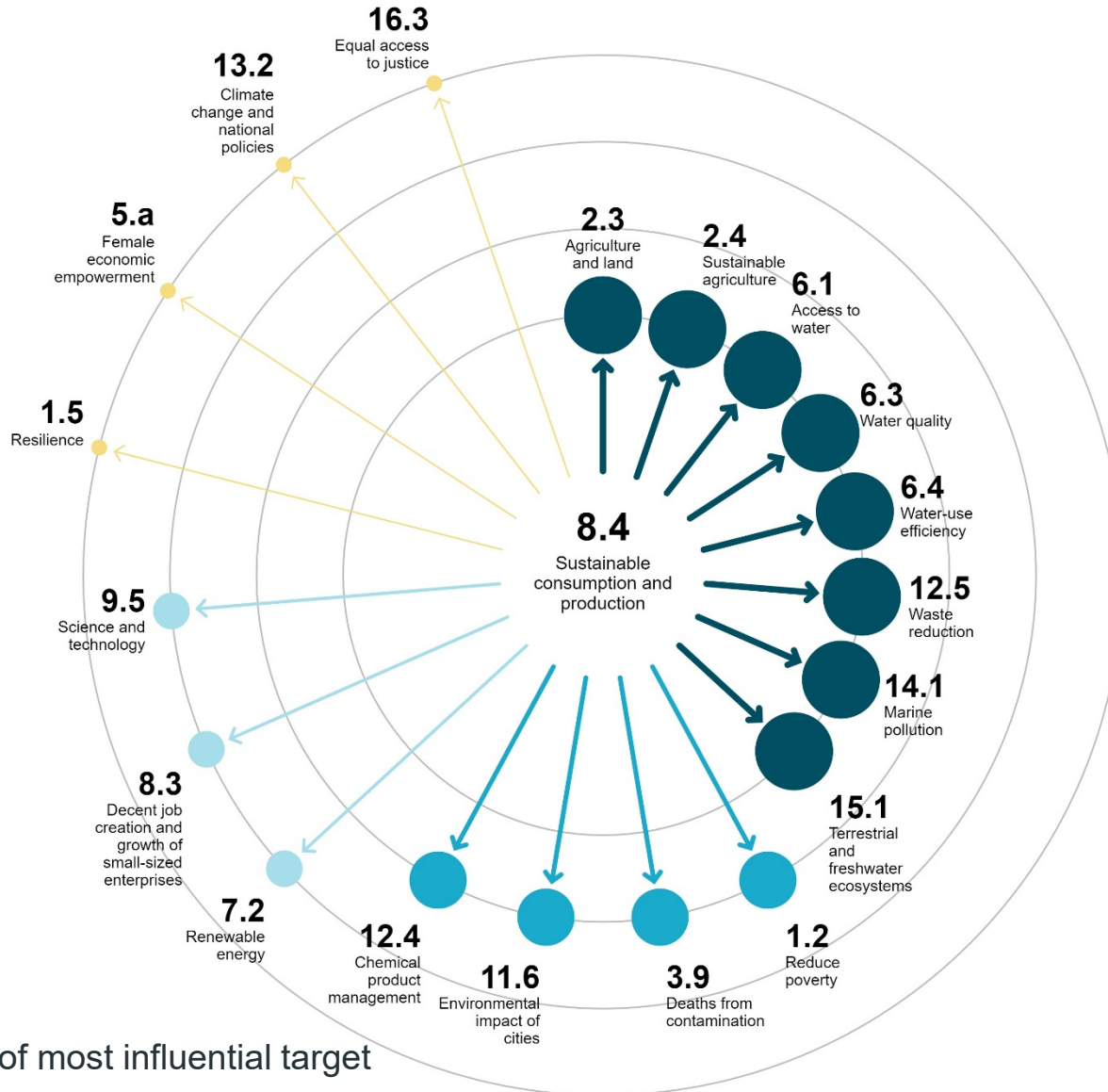
The final matrix



1st order and 2nd order interactions

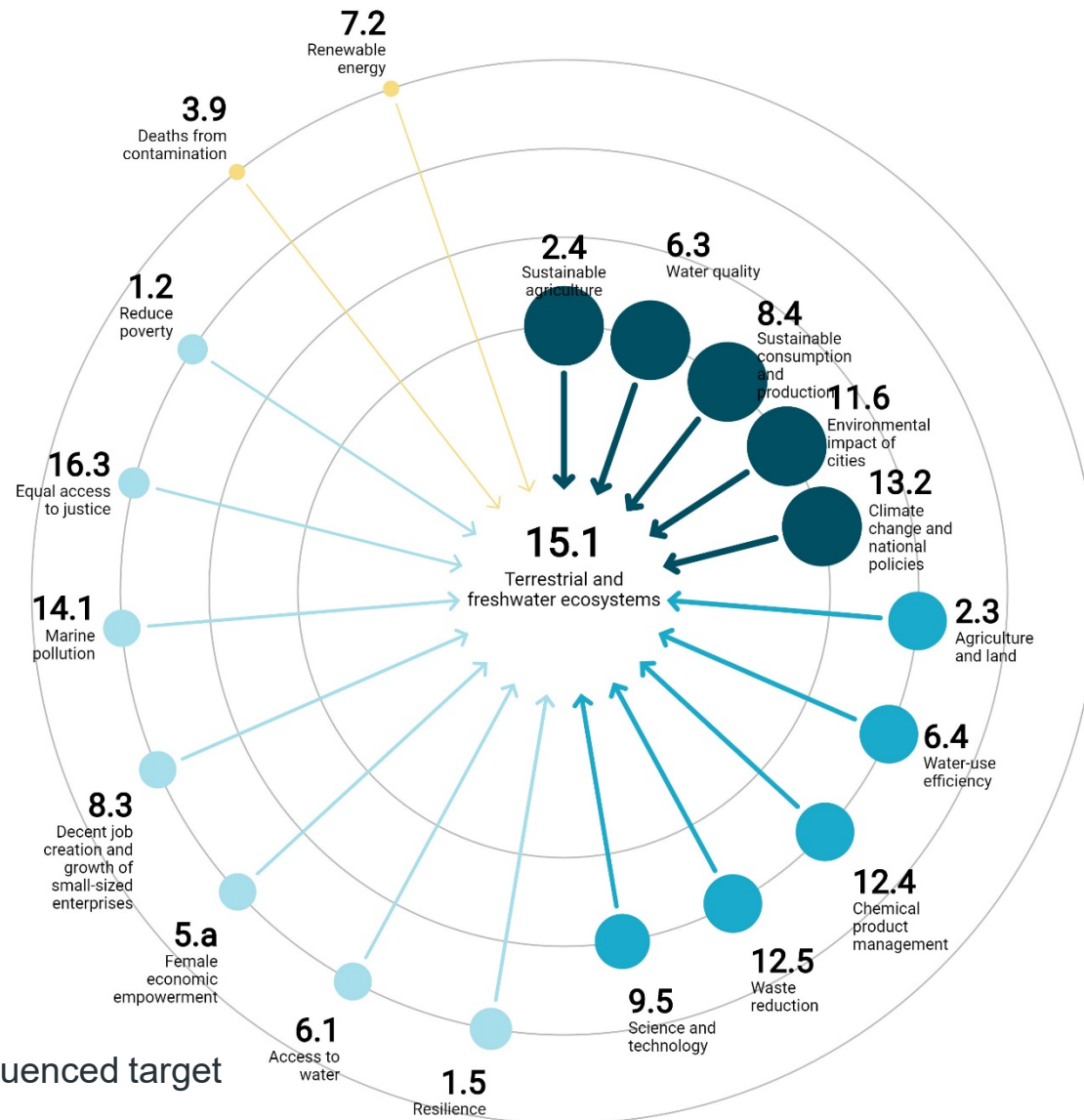
Rank	1 st order	2 nd order
1	8.4 SCP 11.6 Impact from cities	8.4 SCP
2	12.5 Waste reduction	11.6 Impact from cities
3	9.5 Science and technology	12.5 Waste reduction
4	2.4 Sustainable agriculture	2.4 Sustainable agriculture
5	6.4 Water efficiency	9.5 Science and technology

Visualizing 1st order interactions



Example of most influential target

Visualizing 1st order interactions



Example of most influenced target

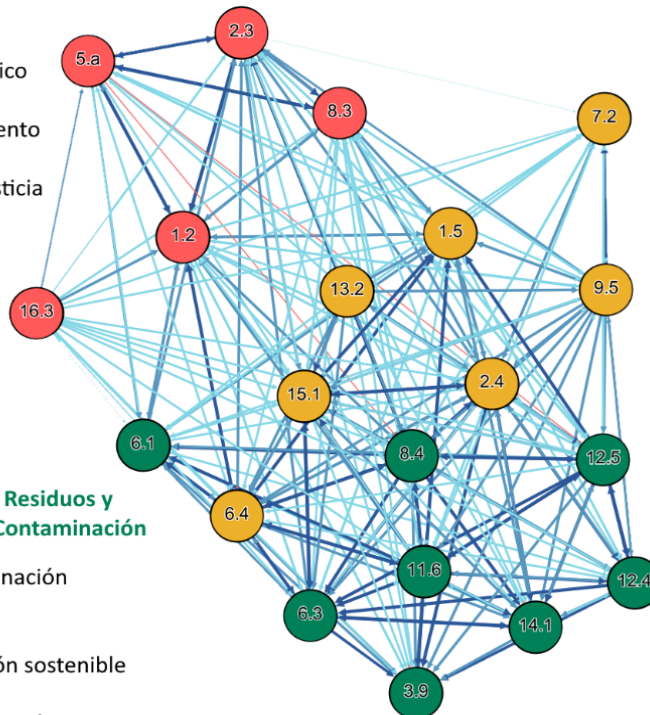
Clusters

Cluster Equidad Social y Reducción de la pobreza

- 1.2 Reducir la pobreza
- 2.3 Agricultura y tierras
- 5.a Empoderamiento económico de la mujer
- 8.3 Empleo decente y crecimiento de Pymes
- 16.3 Igualdad de acceso a la justicia

Gestión Integral de Residuos y Disminución de la Contaminación

- 3.9 Muertes por contaminación
- 6.1 Acceso al agua
- 6.3 Calidad del agua
- 8.4 Consumo y producción sostenible
- 11.6 Impacto ciudades
- 12.4 Gestión de productos químicos
- 12.5 Reducción de desechos
- 14.1 Contaminación marina



Ciencia e Innovación Tecnológica

- 1.5 Resiliencia
- 2.4 Agricultura sostenible
- 6.4 Eficiencia de los recursos hídricos
- 7.2 Energía renovable
- 9.5 Ciencia y tecnología
- 13.2 Cambio climático y políticas nacionales
- 15.1 Ecosistemas terrestres y de agua dulce

- 1) Social equity and poverty reduction
- 2) Science, innovation and sustainability of economic activities
- 3) Sustainable management of waste and pollution

Conclusions and next steps...



Foto: Photo by Duncan on Unsplash

1. The **design of the process** and the selection of targets/partners/experts are key to the success of these type of analysis
2. **Regional and local analyses** are needed to understand how interactions manifest themselves in the territories and to inform the formulation national plans and policies
3. More research is needed to **perfect the process design** and to develop different formats (a menu of applications)
4. Need to develop **more studies of countries** and to test the application to **specific sectors**



Aligning the mining and energy sector with the SDGs, NDC and OECD commitments

Alliance – SDG Interactions Toolkit



Partners



An aerial photograph of a scenic landscape featuring a large, winding lake with turquoise water. The lake is surrounded by lush green hills and valleys. In the foreground, a small village with several houses and a road is visible. The background shows more distant hills under a cloudy sky. The text "Thank you!" is overlaid in the center of the image.

Thank you!