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VII International Conference on
Life Cycle Assessment in Latin America

FRAMEWORK TO ACCELERATE THE ADOPTION OF SDG INDICATORS

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Introduction

- Organizations use indicators to measure progress towards goals
- Implementing an indicator from scratch is an arduous task
 - Reusing all data to build new indicators saves time and money.
 - It is desirable to have a method to find these relations in a quick and repeatable manner



230 indicators

Thousands of variables

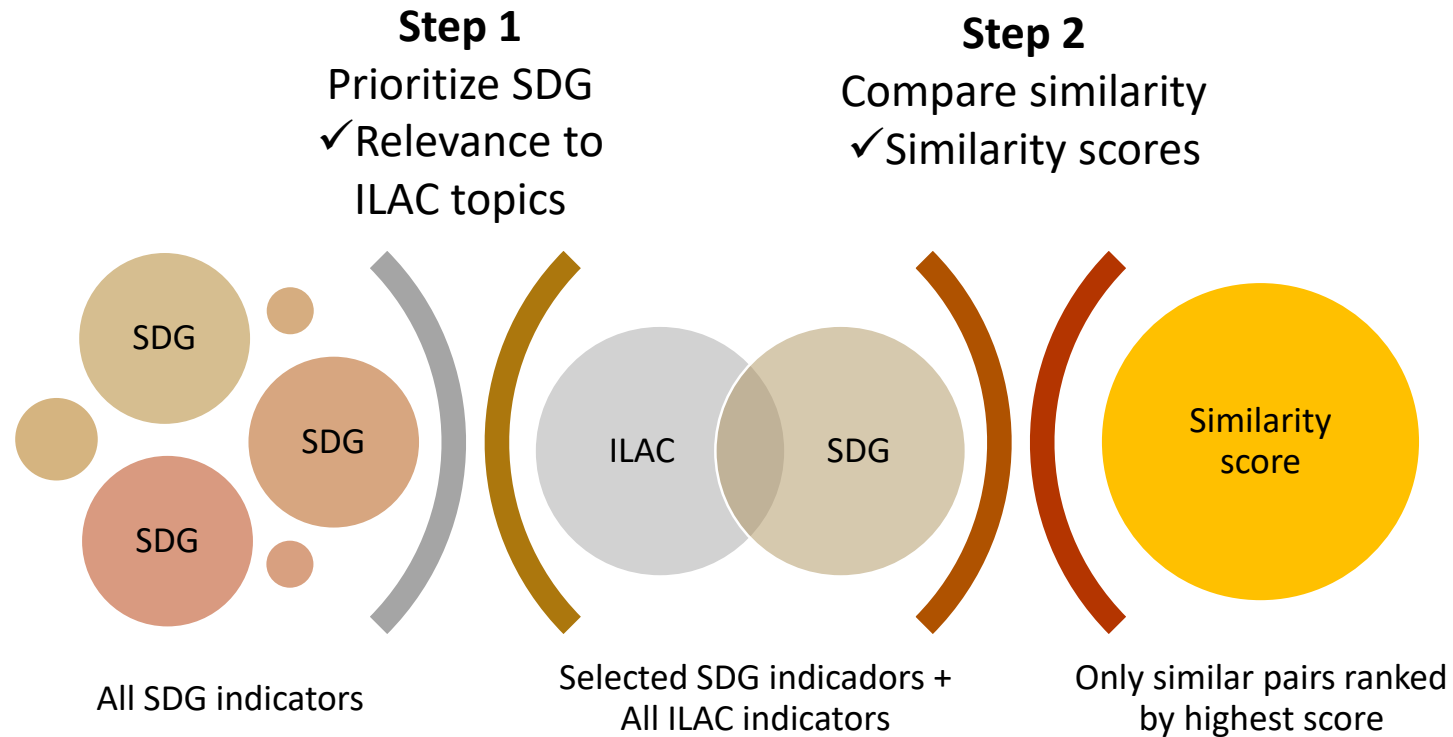




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Methodology - overview





Methodology – Step 2

- Likert-type assessment scale
- ✓ Simple
- ✓ Requires good descriptors to avoid analyst's bias

Level	Description
1	Strongly disagree
2	Disagree
3	Neutral
4	Agree
5	Strongly agree

Likert, 1932

Level	Description
1	Tangentially related
2	In topic
3	Related
4	Almost identical – requires extra data
5	Identical/almost identical

Wiche, 2015

Level 1

Level 2

Level 3





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Case-study: ILAC towards SDG

ILAC

Iniciativa Latinoamericana y Caribeña de Desarrollo Sostenible

- 50 indicators
 - 28 with data
- ✓ Implemented in countries

SDG

Sustainable Development Goals

- 241 indicators
 - None reported
- ✓ Committed but not implemented

11,600 pairs to be analyzed

- Find similarities to use the legacy indicators (ILAC) as input to the new indicators (SDG)
- It is desirable to have a method to find these relations in a quick and repeatable manner



Results and discussion

- Likert-type scale: Descriptors with examples
- ✓ Avoids analyst's bias (<10 corrections over 11,600 pairs)

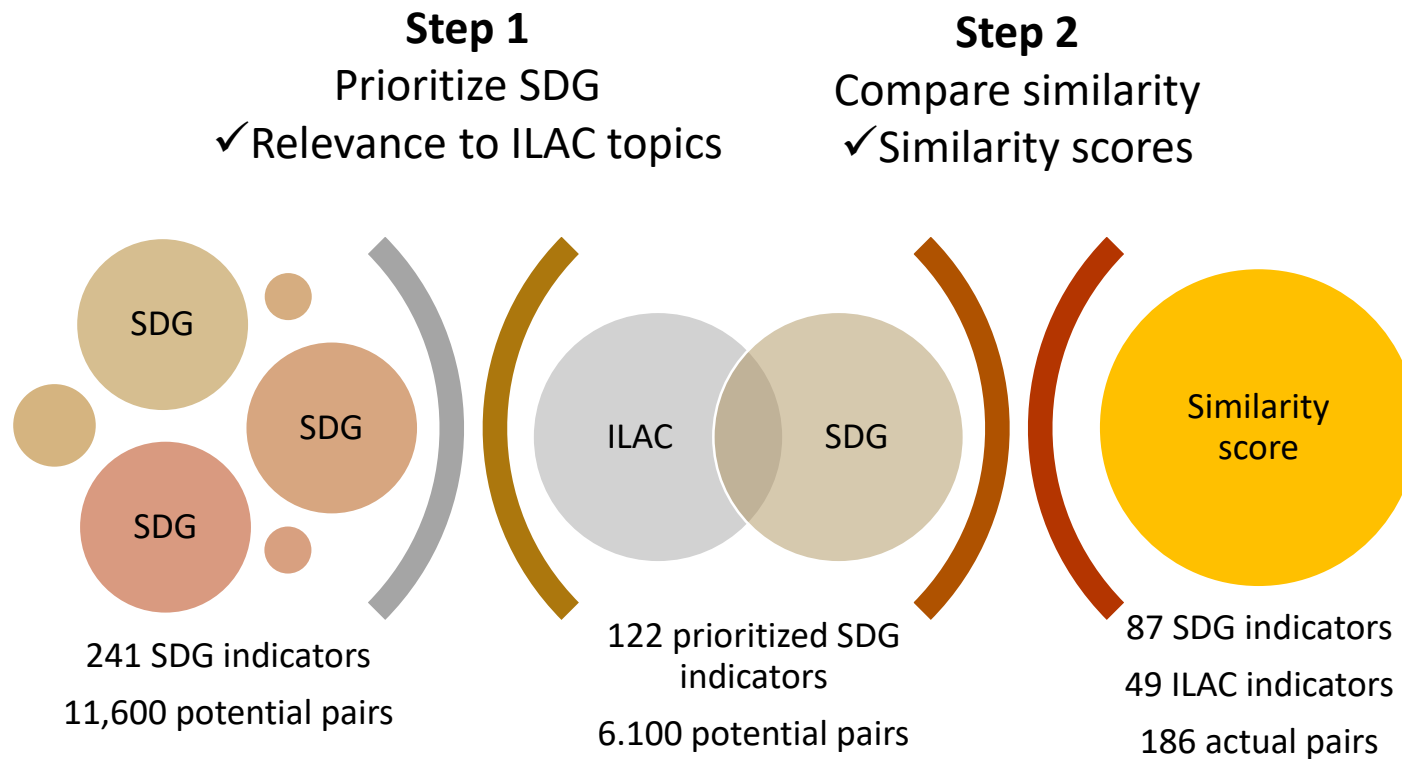
Score	Score description (similarity)	Example
5	Identical/almost identical	SDG 6.2.1 “Percentage of population using safely managed sanitation services” & ILAC 2.4.1.2 “Proporción de la población con acceso a servicios de saneamiento mejorados”
1	Tangentially related, potentially useful	SDG 6.3.2 “Percentage of receiving water bodies with ambient water quality not presenting risk to the environment or human health” & ILAC 1.2.1.1 “Proporción de áreas terrestres y marinas protegidas”



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Results and discussion

Result	SDG	ILAC
Total indicators	241	50
Prioritized indicators	122 (51%)	50 (100%)
Indicators with similarities	87 (36%)	49 (98%)
Score 5	4	4
Score 4	11	11
Score 3	20	11
Score 2	27	18
Score 1	25	5
Score 0	35	1
Number of coincidences	186 1,6% of posible pairs	

- ✓ 20 h of specialist's work
- ✓ Robust results



High priority indicators for the region



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Conclusion

- Likert-type scales are a simple yet effective tool to identify similarities between indicators
- Use of the Likert-type scale allowed assessment of 11,600 pairs in 20 h of specialized work
 - Shortlisted 15 out of 241 SDG indicators for implementation in countries.
- In-depth comparison of metadata on the prioritized indicators supports results.



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References

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