



FIG Working Week 2024

19-24 May

Accra, Ghana

Your World, Our World:
Resilient Environment
and Sustainable
Resource Management
for All

Presented at the FIG Working Week 2024,
19-24 May 2024 in Accra, Ghana

Sharing Experiences of How to Include Training of SDG in Education

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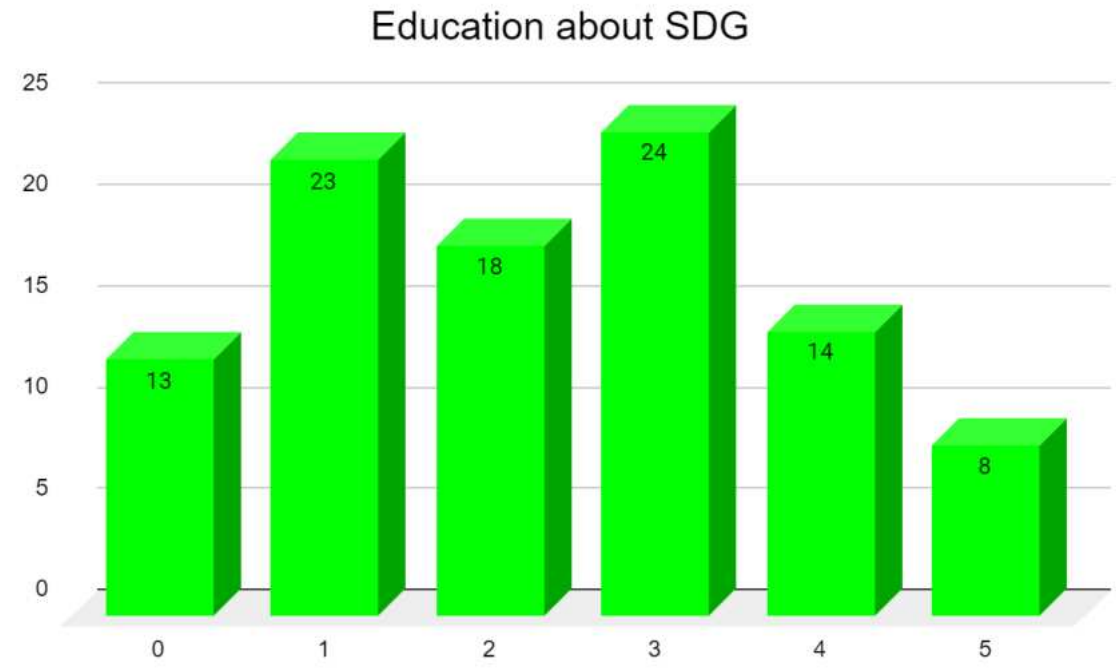
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Why is necessary to include this thematic in professional education?



Survey Commission 2 - 2024



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How much do we know about the SDGs?

How can we be part of building a new future?

How can we contribute from our profession?

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Do the students know about SDGs?

17 Objectives - 169 Goals - 230 Indicators

One approach is using geographic indicators.

Why?



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**For students of Land Surveying
Engineering and Tech. Cartography:**

Research Module : FOCUS ON INDICATORS

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THE PROPOSAL:

Introduce students to the world of the SDGs so that they can identify their contribution.

RESPONDING SOME QUESTIONS:

Are they being measured in Uruguay?

How are they being measured ?

Could this measurement be improved?

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Educational objectives

- To give students a closer understanding of the SDGs;
- Introduce students to **research methodologies**;
- To promote **a critical spirit in the approach to analysis**;
- Encourage the ***development of proactive processes to measure geographical indicators***;
- Encourage **interdisciplinary work**;
- Introduce students to: **writing scientific articles** and dissemination of projects
- Recognize that our profession **HAS THE KNOWLEDGE TO CONTRIBUTE TO THE SDGs**

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Formulate the research question

Pregunta de investigación



¿Qué grado de **desarrollo** presenta la **medición** de **indicadores geográficos** para el seguimiento de los Objetivos de **Desarrollo Sostenible** en **Uruguay**?



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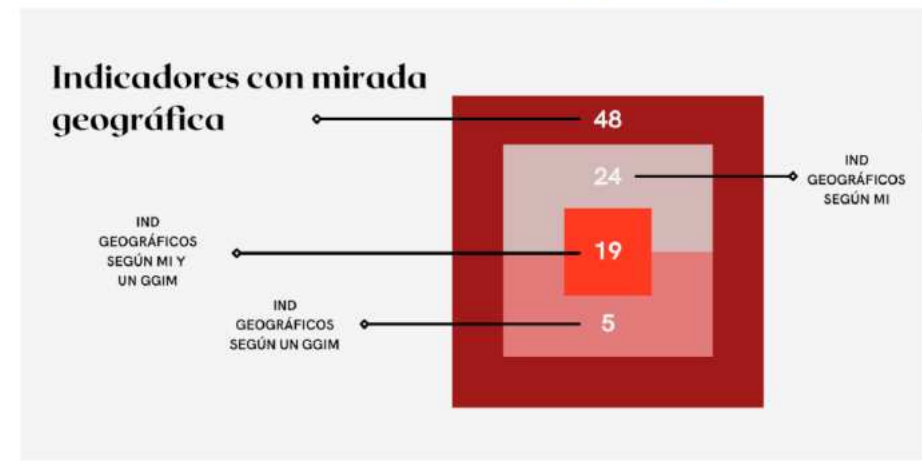
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Identify the geographical indicators

Identificar indicadores geográficos



Marco de indicadores mundiales para los ODS

https://unstats.un.org/sdgs/indicators/Global%20Indicator%20Framework_A.RES.71.313%20Annex.Spanish.pdf



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Understand the meaning of one indicator

Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable.

Target 11.1: By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums. Indicator

11.1.1: Proportion of urban population living in slums, informal settlements or inadequate housing.

What does each of them mean??

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ACTIVITIES RELATED TO EACH INDICATOR:

- Study of the state of the art on the measurement of these indicators in Uruguay, using national reports.
- Study of the state of the art on the application of the different methodological guides existing at the international level.
- Primary identification of strengths and weaknesses in the measurement of these indicators in our country.



N° de Indicador	¿Es aplicable a Uruguay?	¿Existe una guía internacional?	¿Se está midiendo de acuerdo a la guía internacional?	SI NO se mide igual, ¿Existe un indicador complementario?
1.1.1	Si	Si	No	Si
1.4.1	Si	Si	No	Si
1.4.2	Si	Si	No	No
1.5.1	Si	Si	No	Si
2.3.1	Si	Si	No	Si
2.4.1	Si	Si	No	Si
3.9.1	Si	Si	No	No
3.9.2	Si	Si	No	No

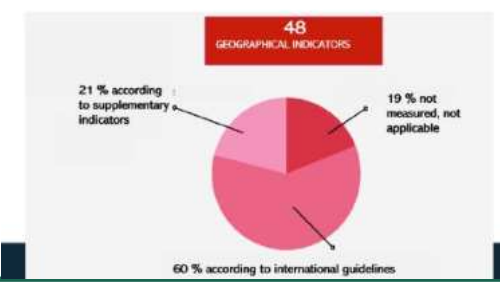




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Now, understand the indicator and how it is being measured THEN...

analyse the possibilities
to use known geomatics
tools to measure them

Do you need more data?

Is that data available?

If not, how can we get it?

Which is the best procedure to capture it?

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Final comments

- Highlight the role of surveying in the process of achieving the SDGs.
- Highlight the participation of the Engineer Surveyor in multidisciplinary activities for the construction of the desired development.
- Encourage the inclusion of these discussions in the academic and professional agenda.

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THANKS TO ALL!

QUESTIONS?

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SUSTAINABLE DEVELOPMENT GOALS | International Federation of Surveyors supports the Sustainable Development Goals

SDG's Task Force

Serving Society for the Benefit of People and Planet

