



Are we ready for a sustainable development? A survey between young geoscientists in Italy

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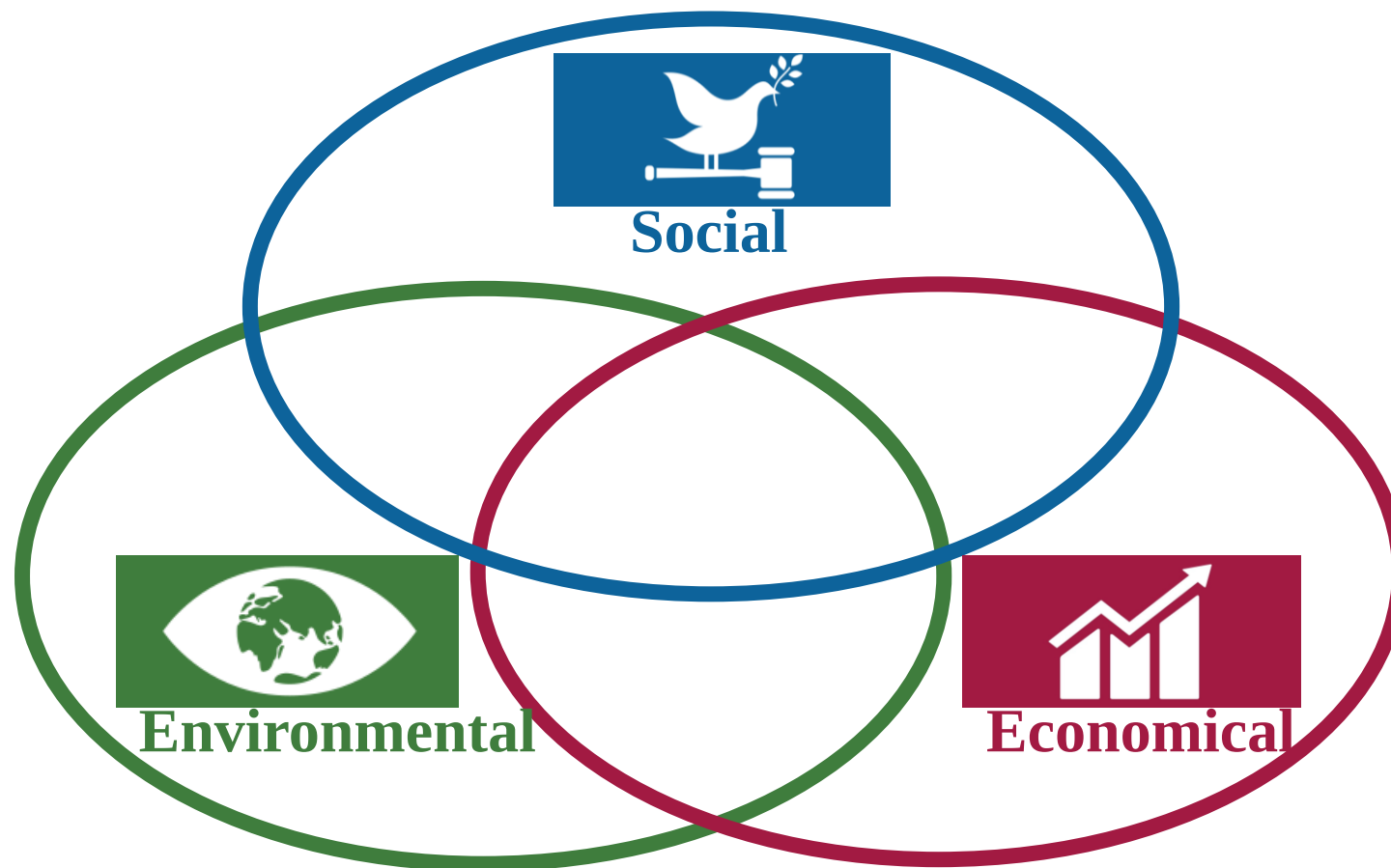
Elena EGIDIO

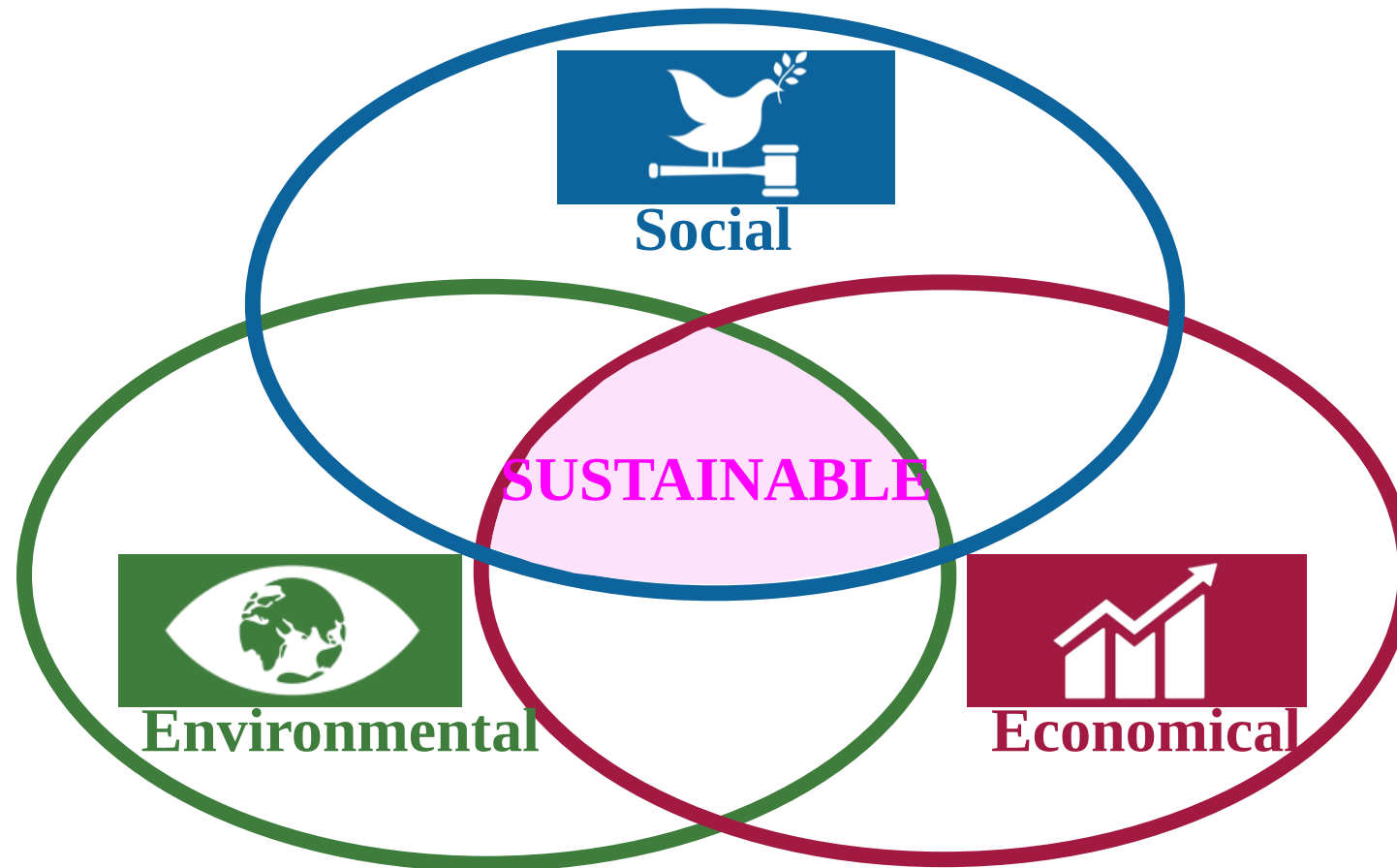
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What **sustainability** means?

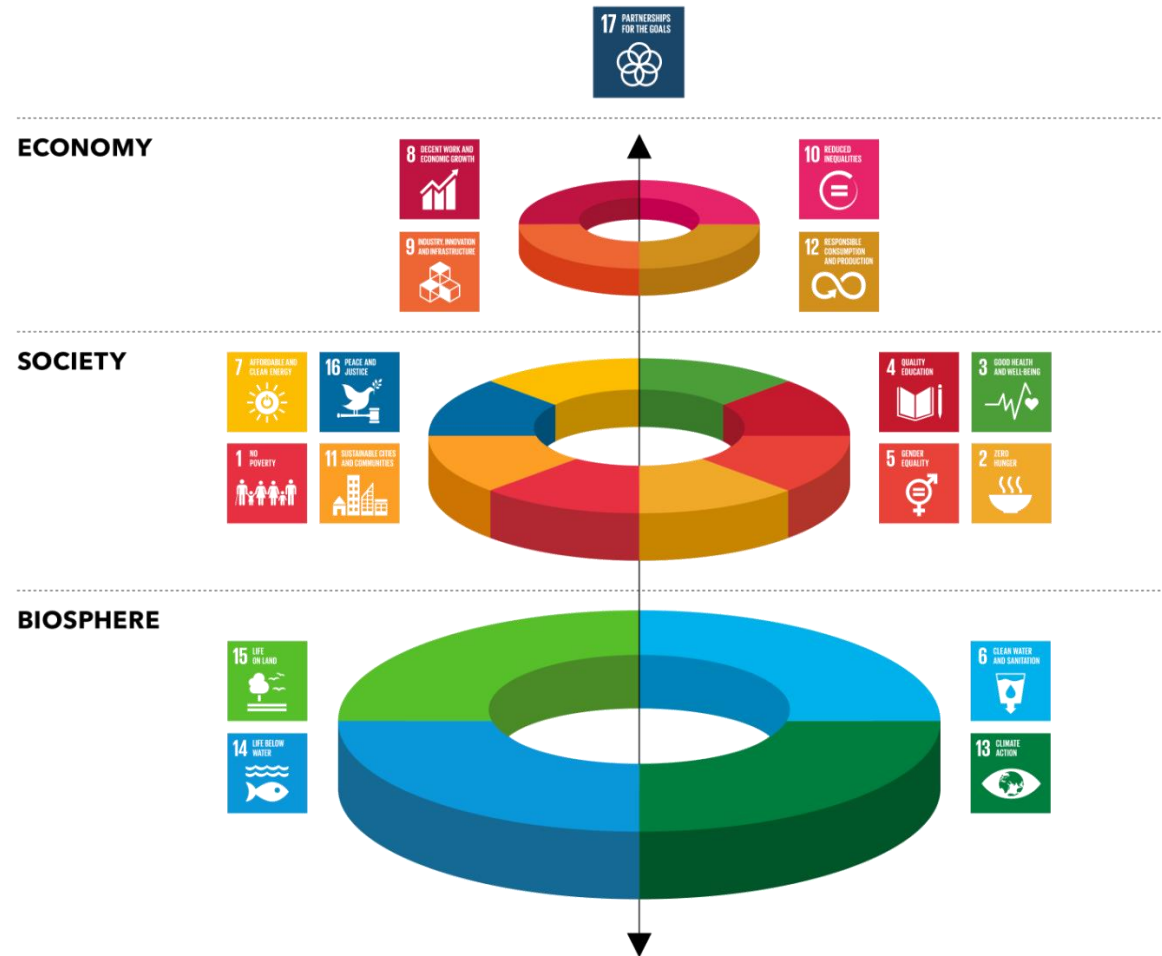




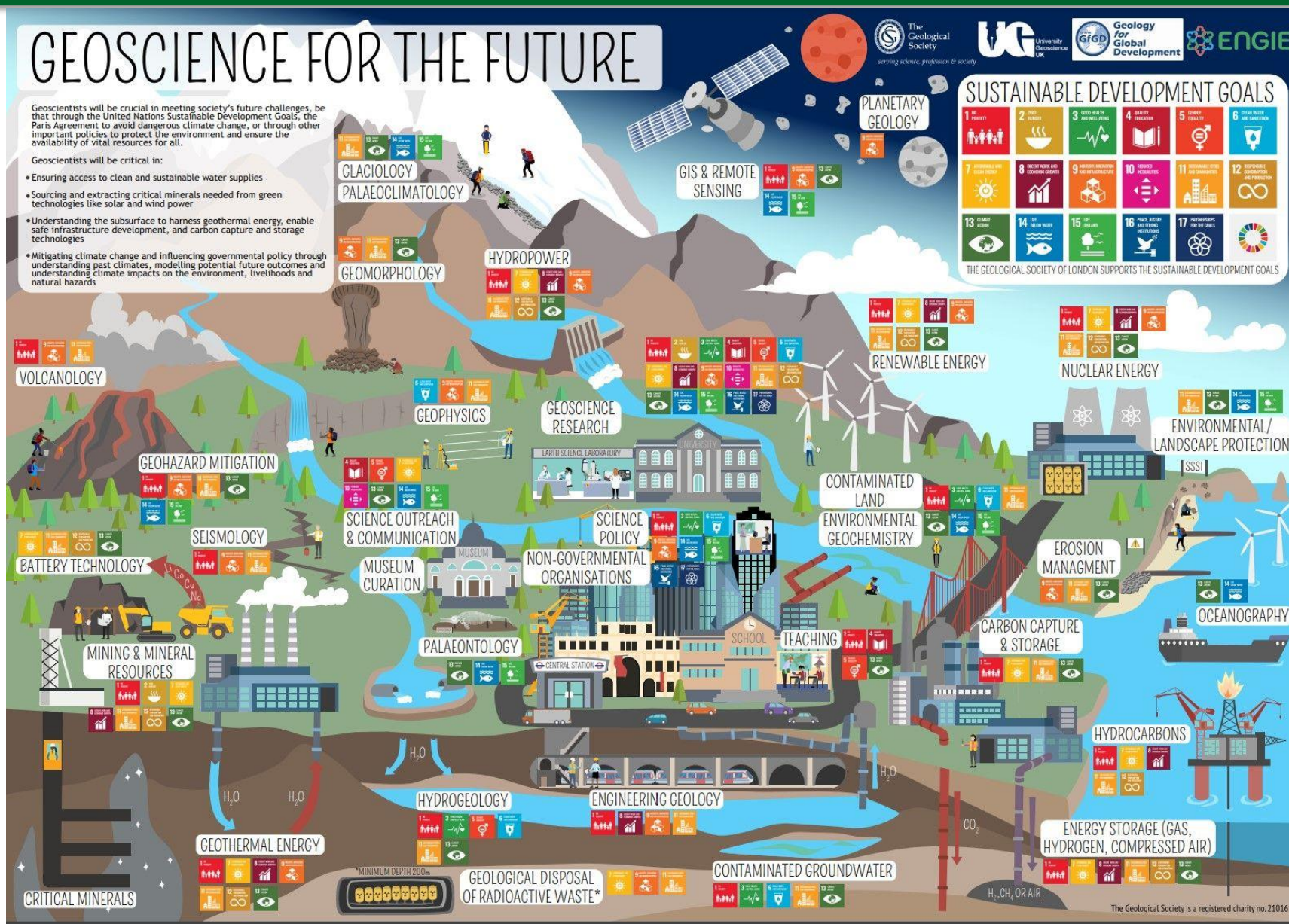




Agenda 2030



Agenda 2030 and geoscience



The Italian geoscience community is ready to a sustainable development?



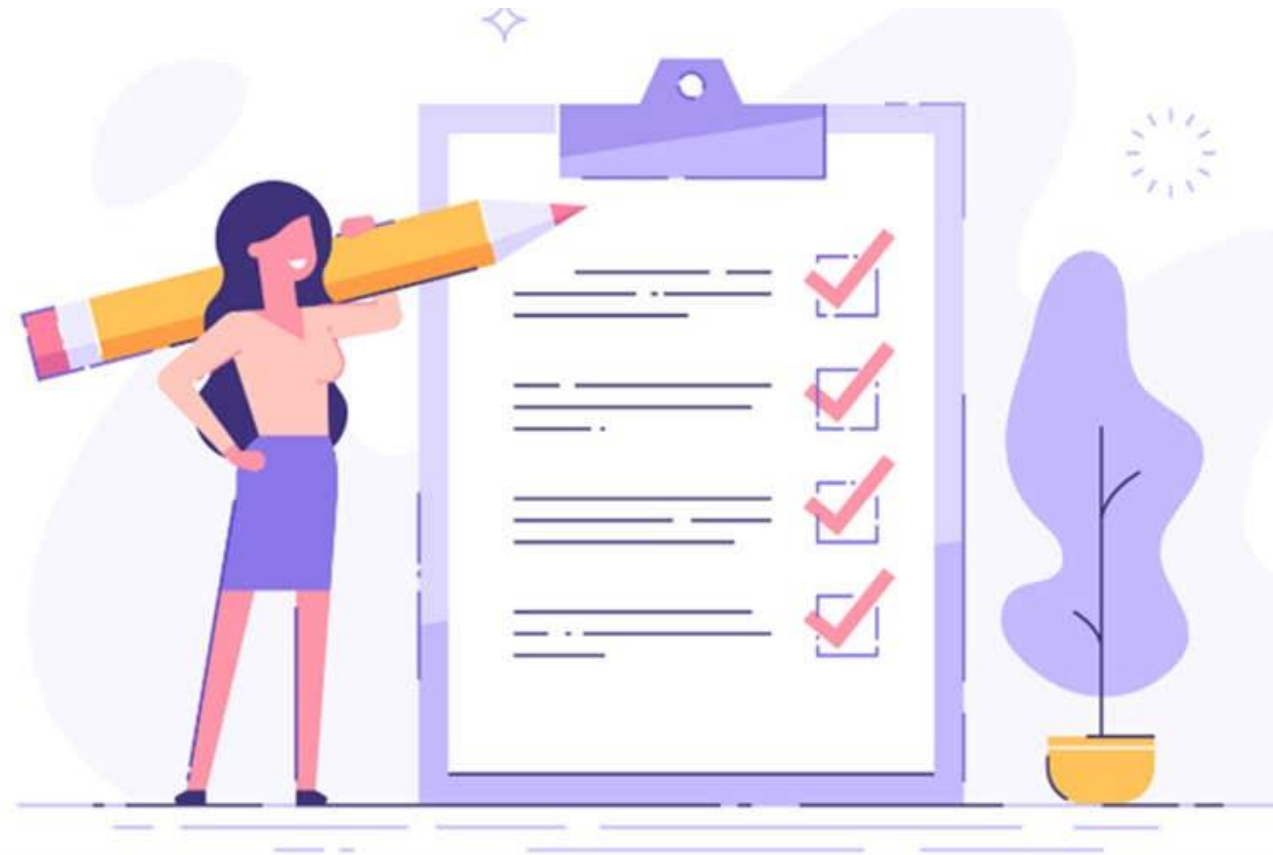
The Italian geoscience community is ready to a sustainable development?



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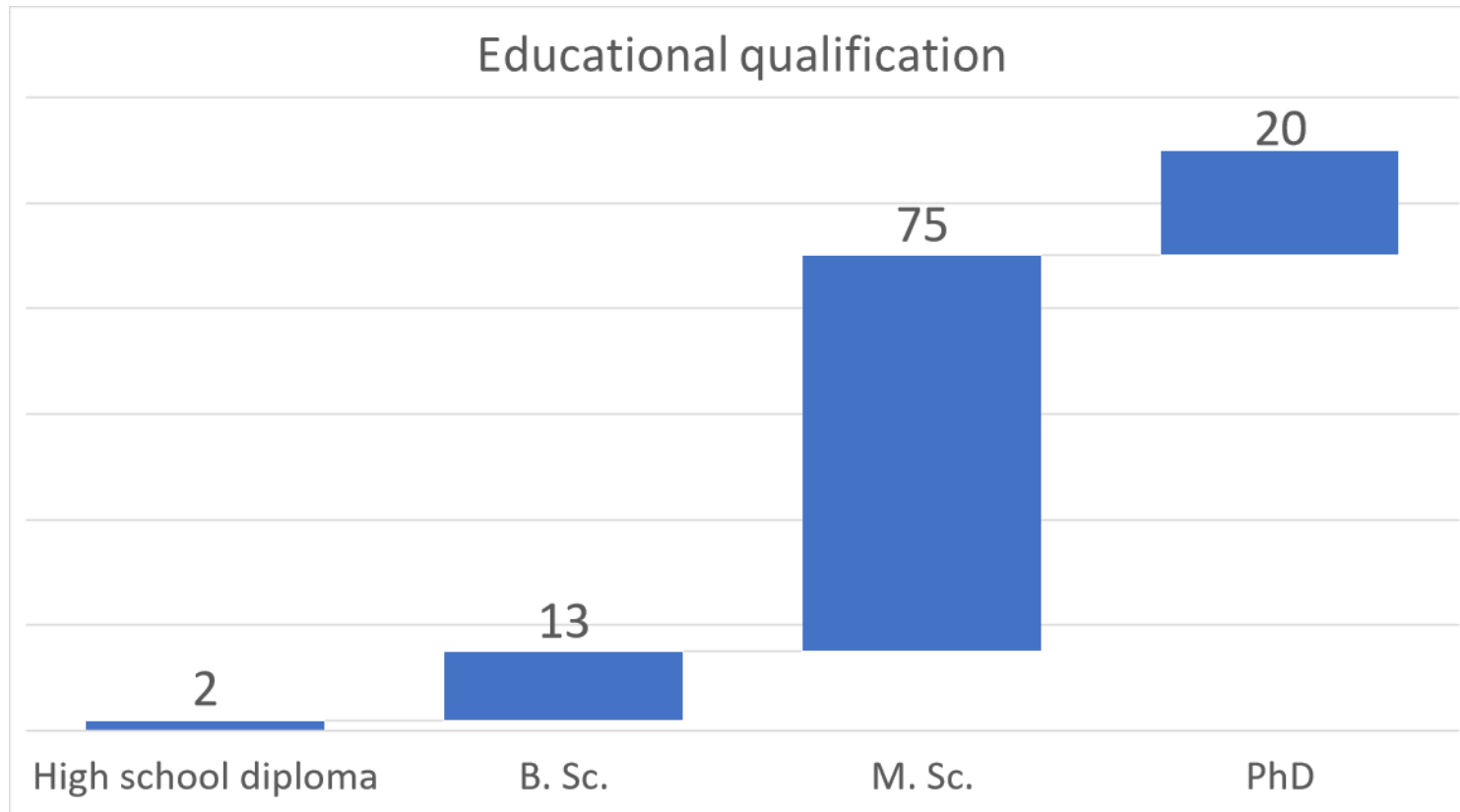
We have created a questionnaire consisting of three main sections:

1. Personal information
(individual and professional)
2. Current knowledge about sustainability, 2030 Agenda and the 17 SDGs
3. Potential interests



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Educational background

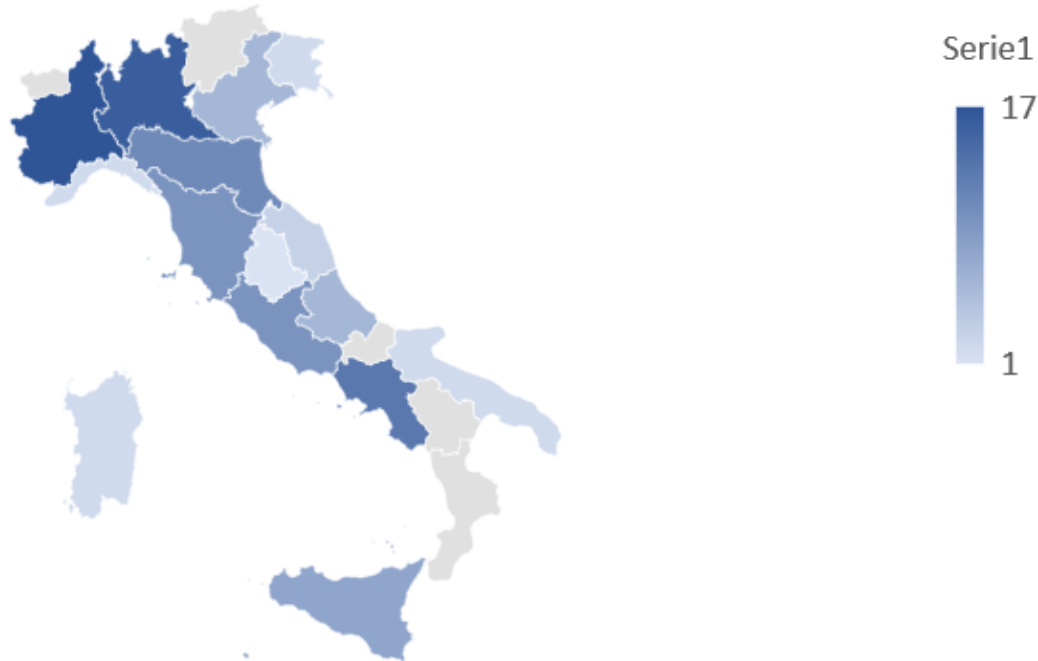


110
participants

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Geolocalization

Geographical distribution of the participants

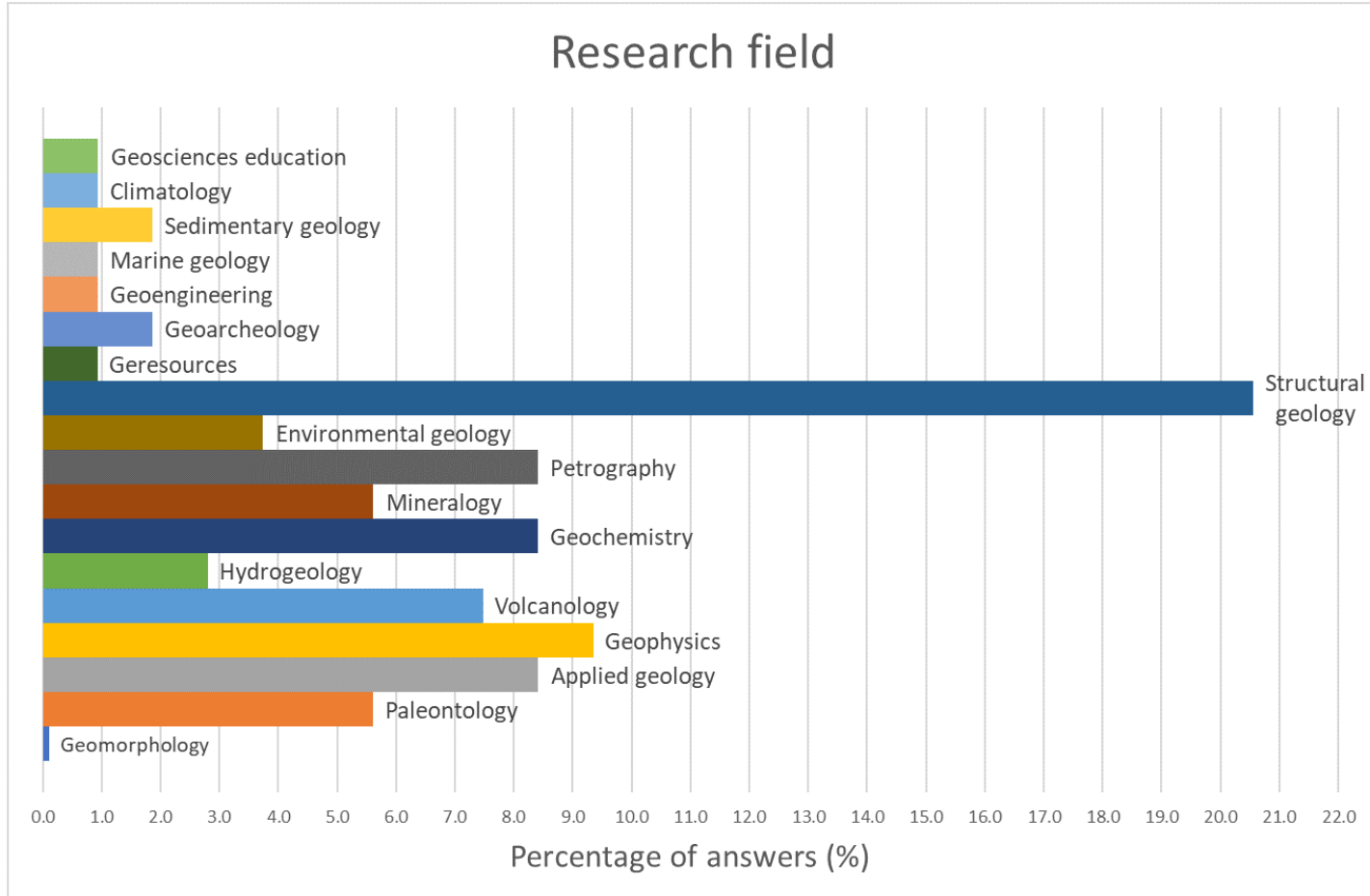


Con tecnologia Bing
© GeoNames, Microsoft, TomTom

110
participants
from all over
Italy!

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Field of specialization



Top 3:

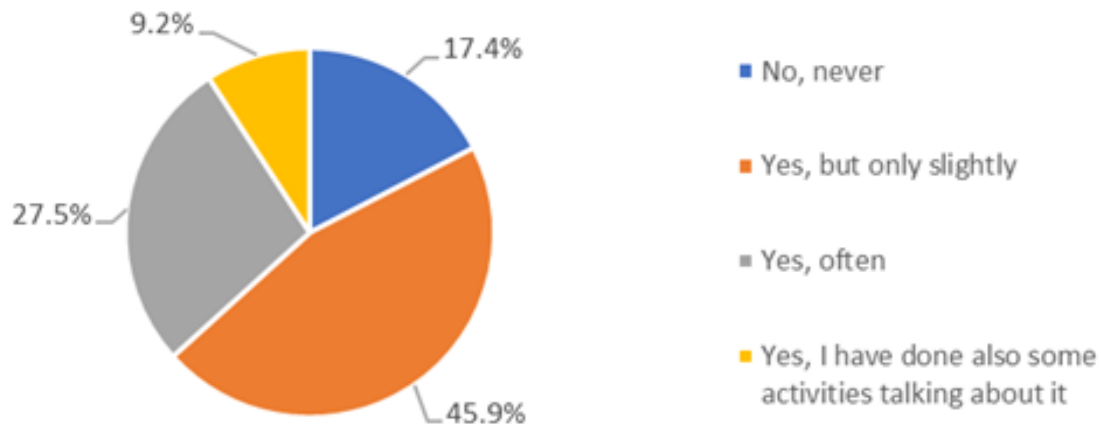
- Structural geology: 20.6%
- Geophysics: 9.3 %
- Petrography, Geochemistry and Applied Geology: 8.4% each

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Knowledge about sustainability and Agenda 2030

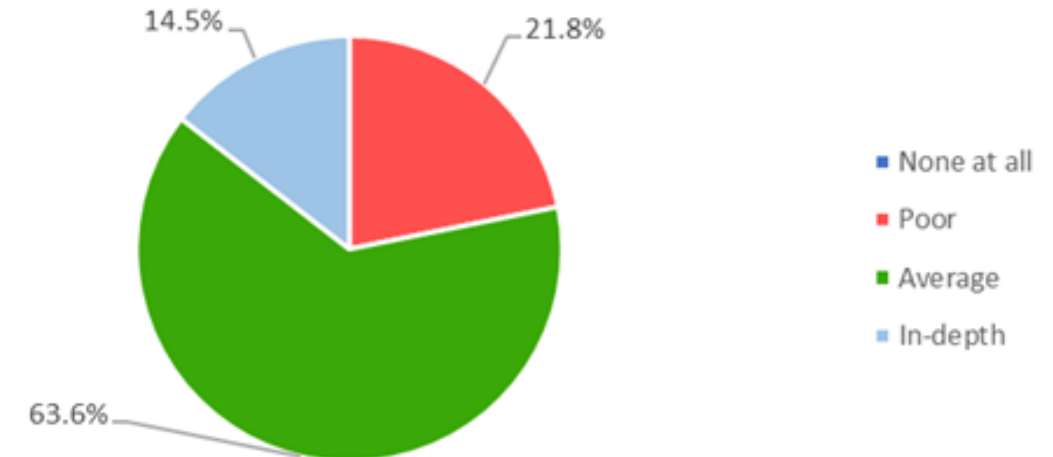
Have you already heard about the 2030 Agenda and the 17 Sustainable Development Goals?

a



How would you define your knowledge about sustainability?

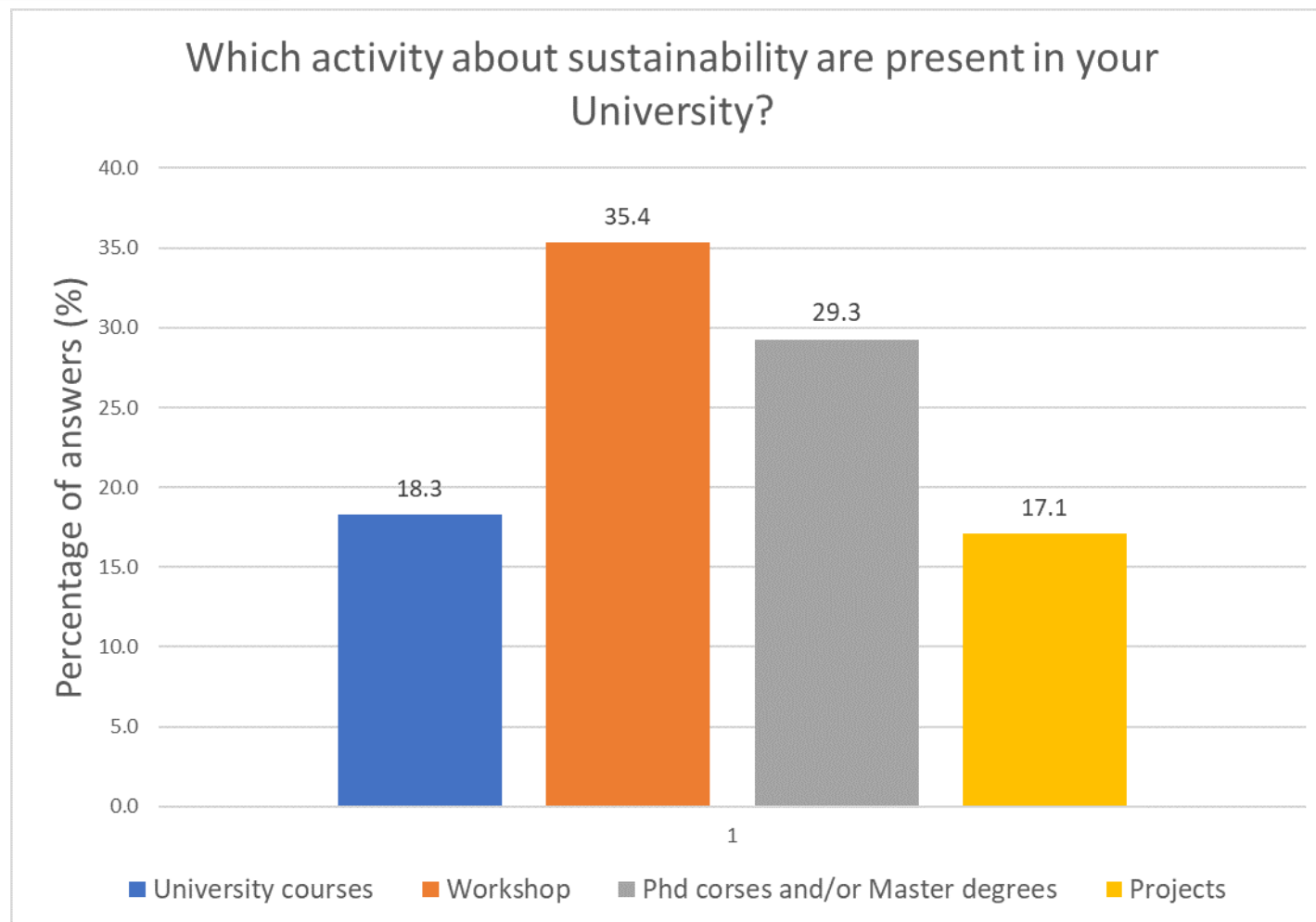
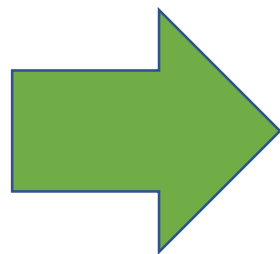
b



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Agenda 2030 in the Italian Universities

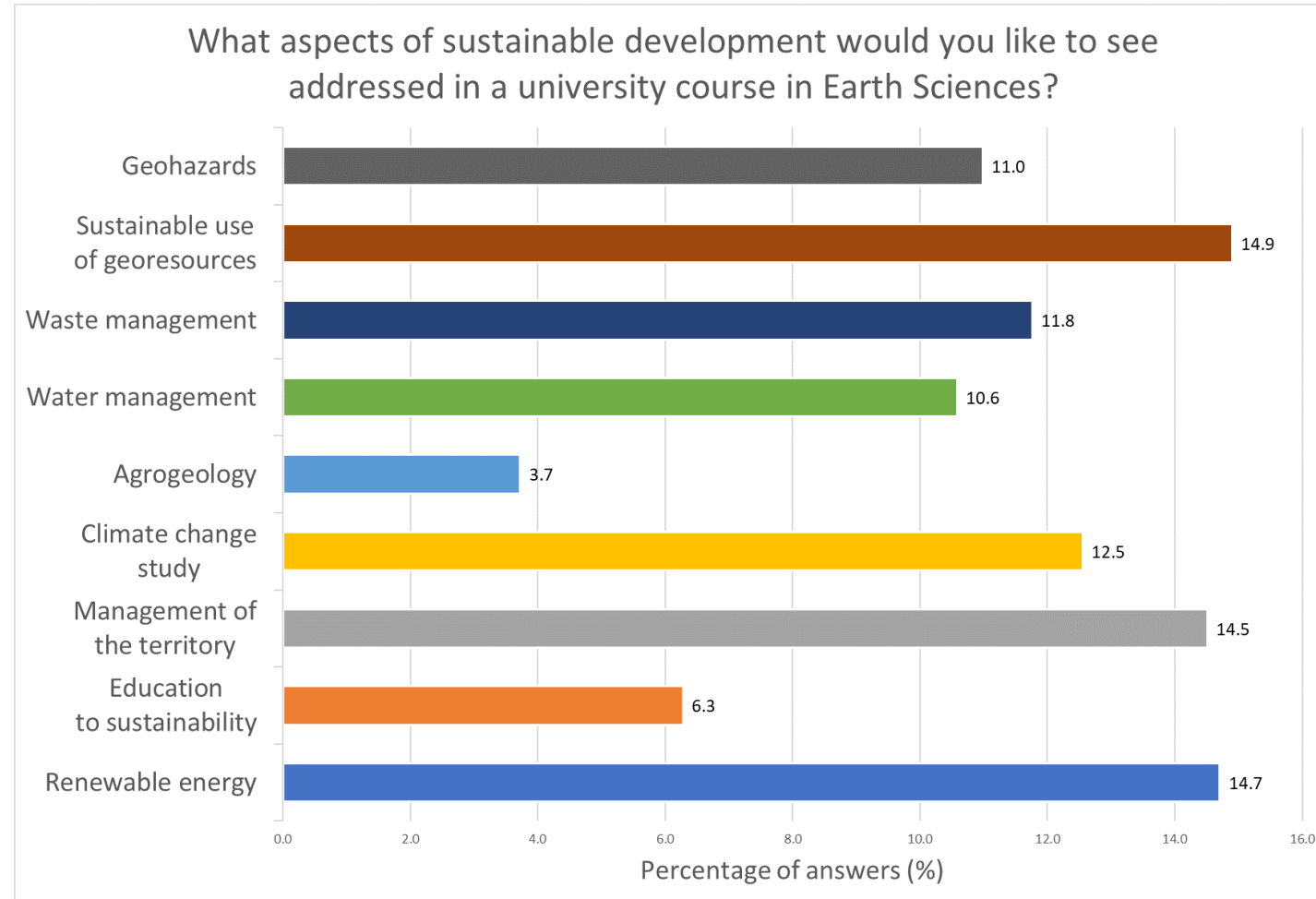
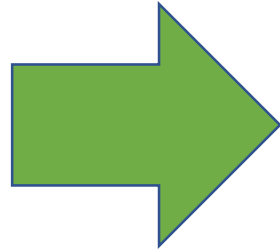
The
sustainability
topic in the
Italian
Universities



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Agenda 2030 in the Italian Universities

What
students
want



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Perception of geoscience and Agenda 2030

For the achievement of which of the 17 SDGs do you think geosciences can play an important role?

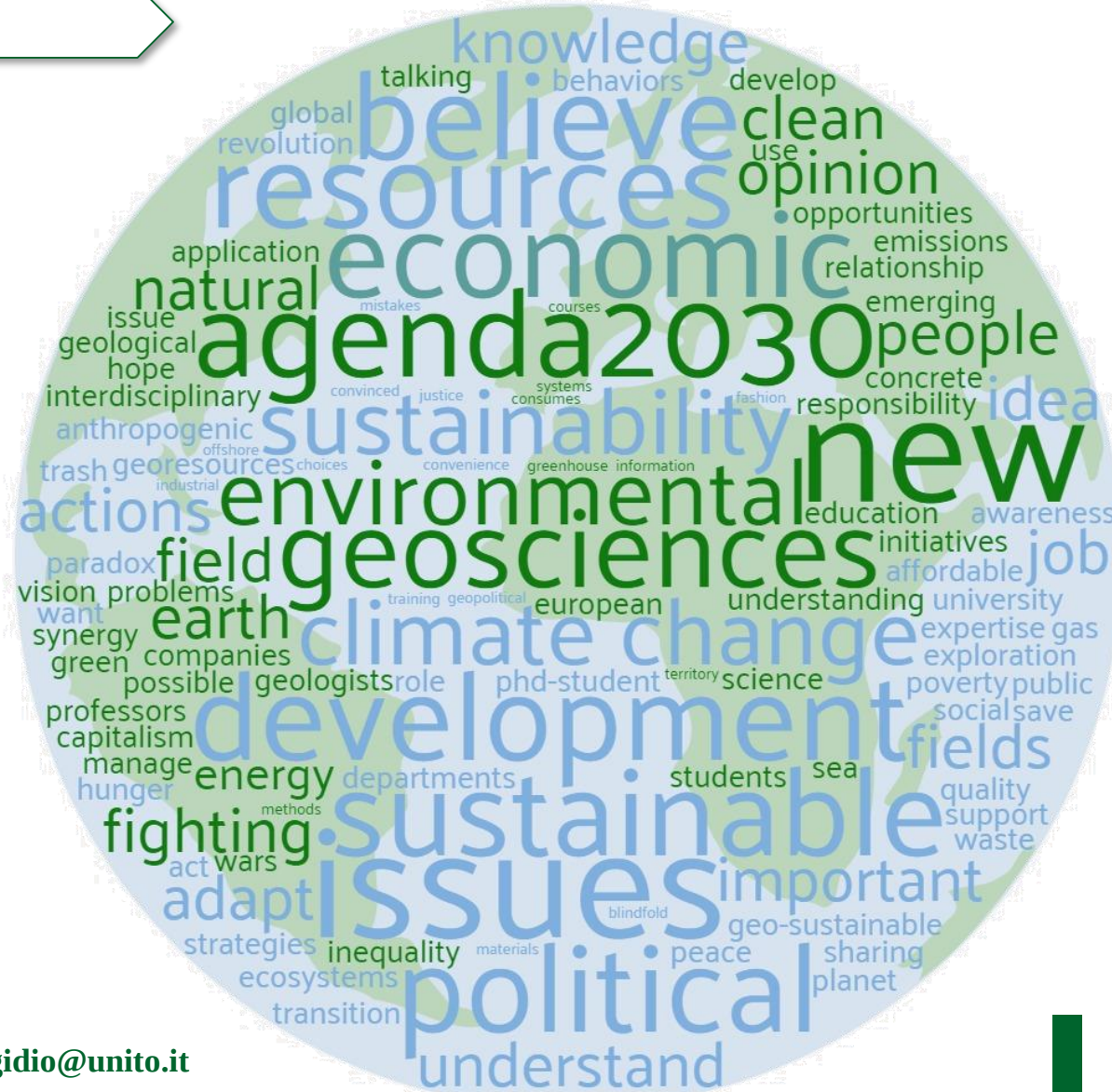


Than the 17 SDGs have been listed, asking to select those SDGs in which the Geosciences can play an important role (multiple choice allowed)

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The world cloud

Finally, we gave the possibility to leave a comment about the relationship between geosciences and 2030 Agenda, with an open question and, to better conceptualize we had created a world cloud



Agenda 2030 and geoscience

Conclusions

BeGeo 2021 was a unique chance to gather a great part of young Italian geoscientists.

Most of them (87.2%) were under 30 and this means that most likely they will be part of the future geoscience departments at least for the next 20/30 years.

This period (up to 2050) is crucial for the future of our society and the relationship between environment and humankind, and the conviction is that **their knowledge and their interests are fundamental to connect Earth Sciences with sustainability issues and to build a pedagogical proposal for the new generations that goes towards geoethical principles.**



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Conclusions and future insights



Our conviction is that **education curricula of geoscientists have to be more addressed to sustainability and geoethical issues**, in order to discover the potential of Earth Sciences education as a key component of education for sustainability

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Conclusions and future insights

Moreover, the Società Geologica Italiana (SGI) announced that its 91st Congress will be held in September 2022 in Turin and it is entitled “*Geosciences for a sustainable future*”.

This title shows clearly that also in the Italian geoscience community the awareness about the paramount importance of sustainability issues in Earth Sciences’ studies and practices is increasing.





Thanks for your attention!

**“Future generations will not judge us by
what we said, but by what we did”**

Ellen Johnson Sirleaf (President of Liberia from 2006 to 2018)

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