

WHY AND WHERE ARE WE STRONG, WHY AND WHERE ARE WE WEAK, WHAT ARE THE OPPORTUNITIES AND THREATS AHEAD? WHAT DO YOUNG MEMBERS PLAN TO DO? HOW DO WE MAKE GEOTECHNICAL ENGINEERING A MORE ATTRACTIVE FIELD IN TURKEY?

PREPARED WITHIN THE CONTEXT OF TIME CAPSULE PROJECT OF ISSMGE

In order to evaluate the current situation and future of geotechnical engineering in Turkey, a questionnaire was sent to all our individual and student members in March 2022. Sixty members responded. A summary of their responses are summarized here.

## STRENGTHS

- Strength of geotechnics as it is
- Strength of the education and the academy
- Strength of the projects, e.g. mega projects.
- Strength of the people involved
- Strength of the softwares
- Strength of the companies
- Strength of the Turkish geotechnical society

## WEAKNESSES

- Difficulties in defining geotechnical engineering as a specialty area in Turkey
- Problems in companies
- Insufficient data for geotechnical soil characterization
- Lack of monitoring and instrumentation
- Deficiencies in cooperation between different parties
- Educational shortfalls
- Problems in control mechanisms
- Problems in numerical modeling

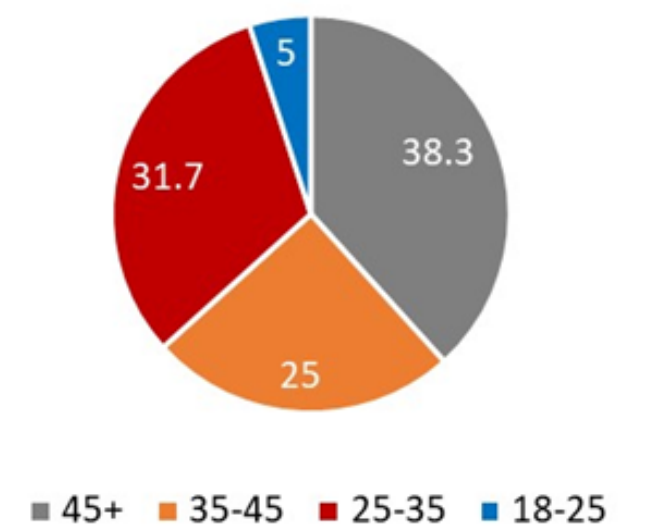
## THREATS

- The threat that geotechnical engineering is not recognized as a specialty area in Turkey
- The threat of inadequate engineers and their narrow perspectives
- Threats for the companies
- Threats posed by deficiencies in education
- Threats that cause insufficient R&D
- Threats posed by working conditions
- Threats for obtaining sufficient data for design

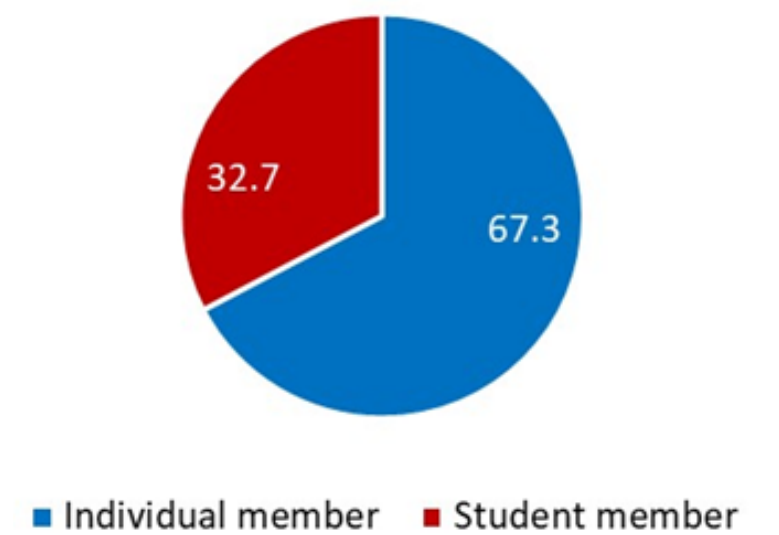
## OPPORTUNITIES

- A much needed geotechnical engineering
- A geotechnical engineering that expands/enriches by covering different topics
- A geotechnical engineering practiced by specialist companies
- A geotechnical engineering that embraces knowledge and innovations
- A geotechnical engineering with qualified manpower

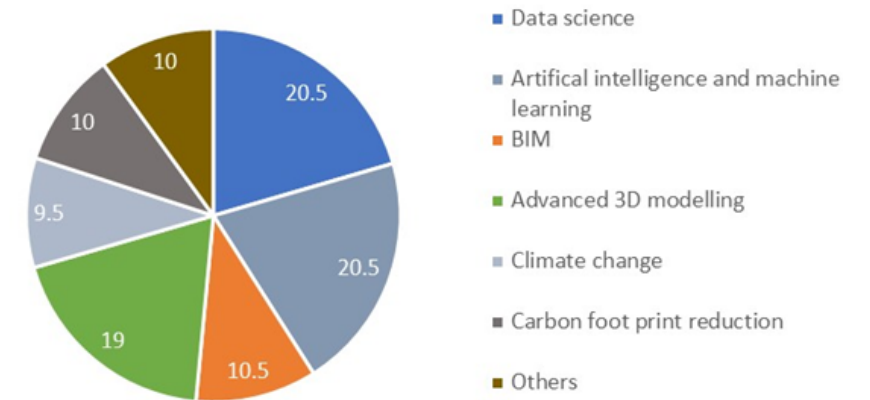
HOW OLD?



MEMBERSHIP STATUS



EMERGING RESEARCH ISSUES IN THE FUTURE FOR TURKEY



## ACTION PLAN

As the Turkish Society for Soil Mechanics and Geotechnical Engineering, our next goal is to create an action plan;

- What kind of measures can be taken for our current weaknesses and for the threats in front of us
- How can we solidify our current strengths and create a fruitful environment for the opportunities in front of us

for a more effective soil mechanics and geotechnical engineering in Turkey. The detailed report is in Turkish and can be assessed via [zmgm.org.tr](http://zmgm.org.tr) website. We thank our members for their contributions.