


Improving the Performance of Canals with Geosynthetics
IGS Technical Committee on Hydraulics
November 15-17, 2021




International Geosynthetics Society

Introduction

Prof. Chungsik Yoo
IGS President

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www.geosyntheticsociety.org

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The International Geosynthetics Society

Founded in 1983, the International Geosynthetics Society (IGS) is a learned society dedicated to the scientific and engineering development of geotextiles, geomembranes, related products, and associated technologies

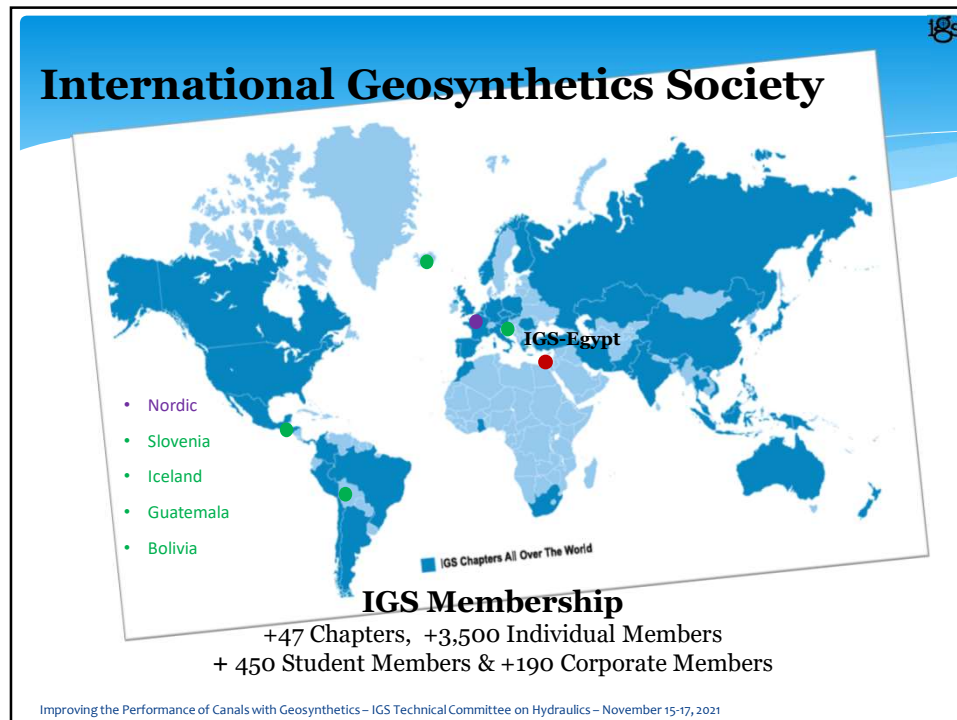
Mission Statement

The core purpose of the IGS is to provide an understanding of and promote the appropriate use of geosynthetic technology throughout the world

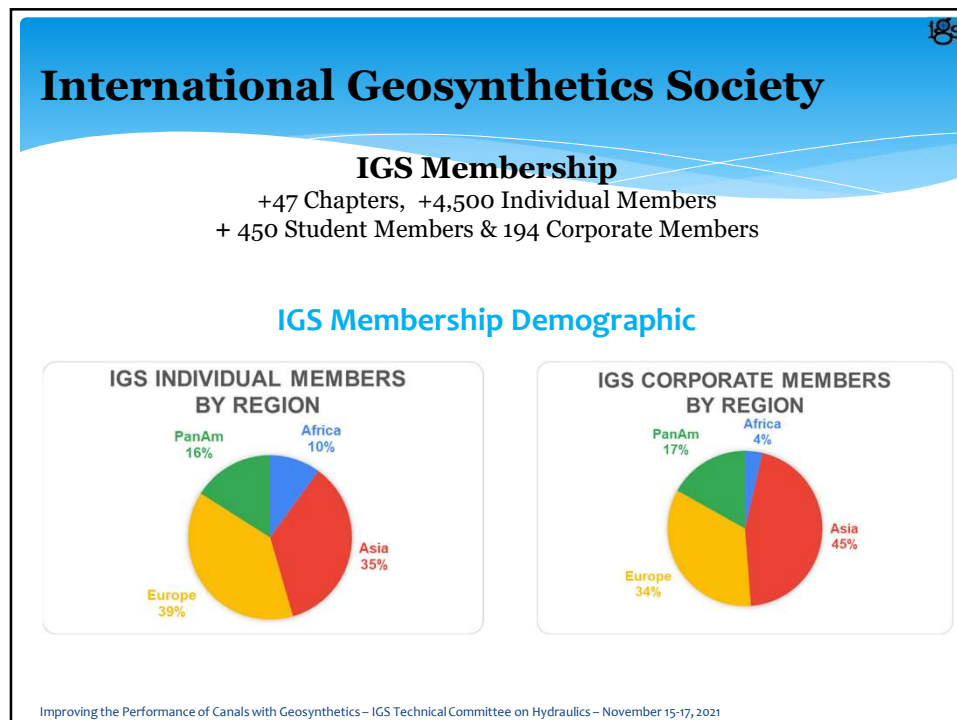


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Geosynthetics, Sustainable Solutions!

Sustainability

- As global warming threatens our built environment, the term “sustainability” has become a key word in our daily life

Facts!

“Buildings and construction together account for 36% of global final energy use and 39% of energy-related carbon dioxide (CO₂) emissions when upstream power generation is included” [\(Global Status Report for Buildings and Construction 2019 – Analysis - IEA\)](#)

- Sustainable solutions for infrastructure development are also needed by adopting innovative materials, new design and construction technologies for construction

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Geosynthetics, Sustainable Solutions!

Geosynthetics provide sustainable solutions

- Smaller construction footprints (e.g., less land disturbance)
- Significantly lighter than earthen materials like clay, therefore, require significantly fewer truckloads to site

- Greater reuse of on-site materials with geosynthetics vs trucking in special fills

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