

# Introduction of GIST and International Environmental Research Center (IERC)

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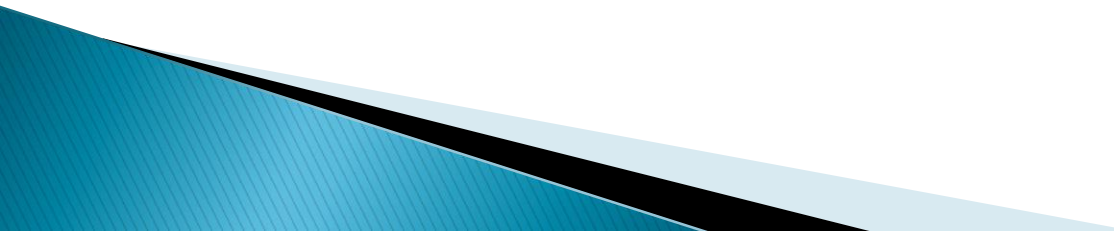
# GIST: History

- ▶ Gwangju Institute of Science and Technology established 1993
- ▶ Graduate Research Institute funded under the Ministry of Science
- ▶ Undergraduate program for Environmental Science and Engineering added 2010

[GIST.ac.kr](http://GIST.ac.kr)



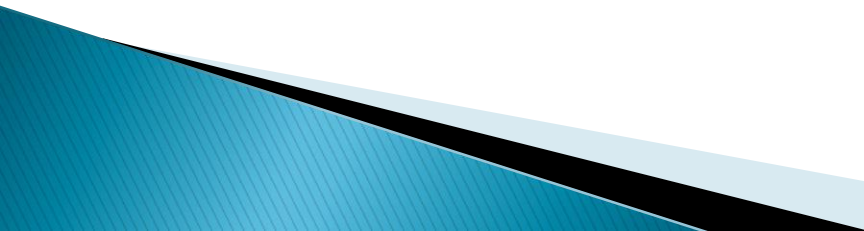
# GIST: A brief look

- ▶ Top ranked school
  - ▶ 10:1 Student to Faculty ratio
  - ▶ Approx 700 undergraduate and 1,200 graduate students
  - ▶ 10% international student population
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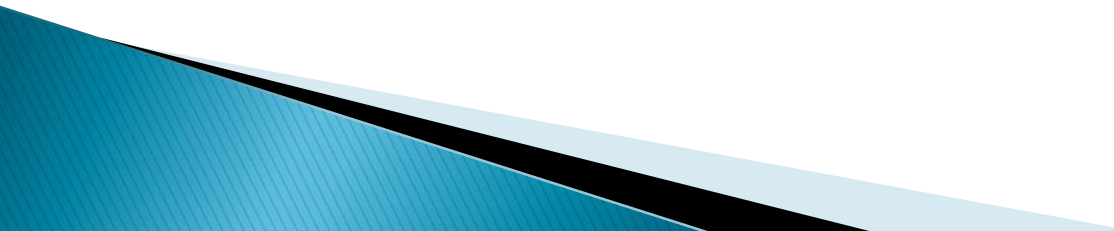
# GIST: Climate Change Technology

- ▶ Green Energy – Solar Energy, Electric Vehicle Development, Smart grid technology
  - ▶ Climate Change Modeling
  - ▶ Transboundary Pollutants
  - ▶ Remote Sensing
  - ▶ Water Resource Management
  - ▶ Sustainable Water Treatment
  - ▶ Desalination Technology – SeaHERO
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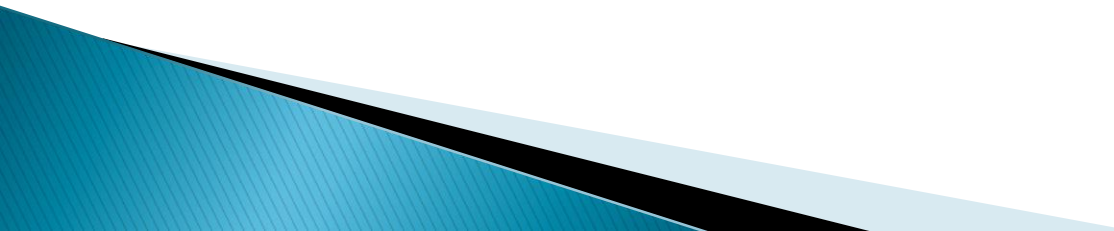
# IERC: History

- ▶ Established in 2004 as UNU&GIST Joint Programme on Environmental Science and Technology for Sustainability
  - ▶ Building both technical and capacity building resources in developing countries
  - ▶ Established relationships primarily in Southeast Asia but also Sub-Saharan Africa (Nigeria)
  - ▶ Seeking to expand both Africa (Kenya) and Asia partners (Sri Lanka, Bangladesh)
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# IERC: Main Activities

- ▶ Research: Active research from scientific staff, research facilities, project funding of international researchers
  - ▶ Education: Training programs (K-UNDP), international internship
  - ▶ Networking: Hosting of workshops, 2016 International Forum on Climate Adaptation, Siem Reap, Cambodia
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# IERC: Developing Country Networking

- ▶ IERC has hard network – government environmental ministries/technical officers and academia through funding of research projects and hosting of workshops
  - ▶ Also has ‘soft’ network – Former IERC interns and GIST graduate students. Many have become professors, government technical officers and advisors in their respective home countries
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# IERC: CTCN Member

- ▶ IERC is a relatively new CTCN member
- ▶ Actively seeking to export GIST climate adaptation technologies and scientific expertise to developing countries
- ▶ Continually will hold IFOCA – Workshop gathering opinions from SE Asia regional climate change experts

**IERC.GIST.AC.KR**

