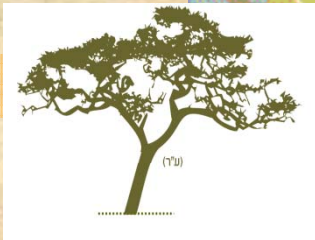




מכון הערבה ללימודי הסביבה (ע"ר)

Arava Institute
for Environmental Studies

معهد وادي عربة للدراسات البيئية



Arava Institute for Environmental Studies

Mission Statement

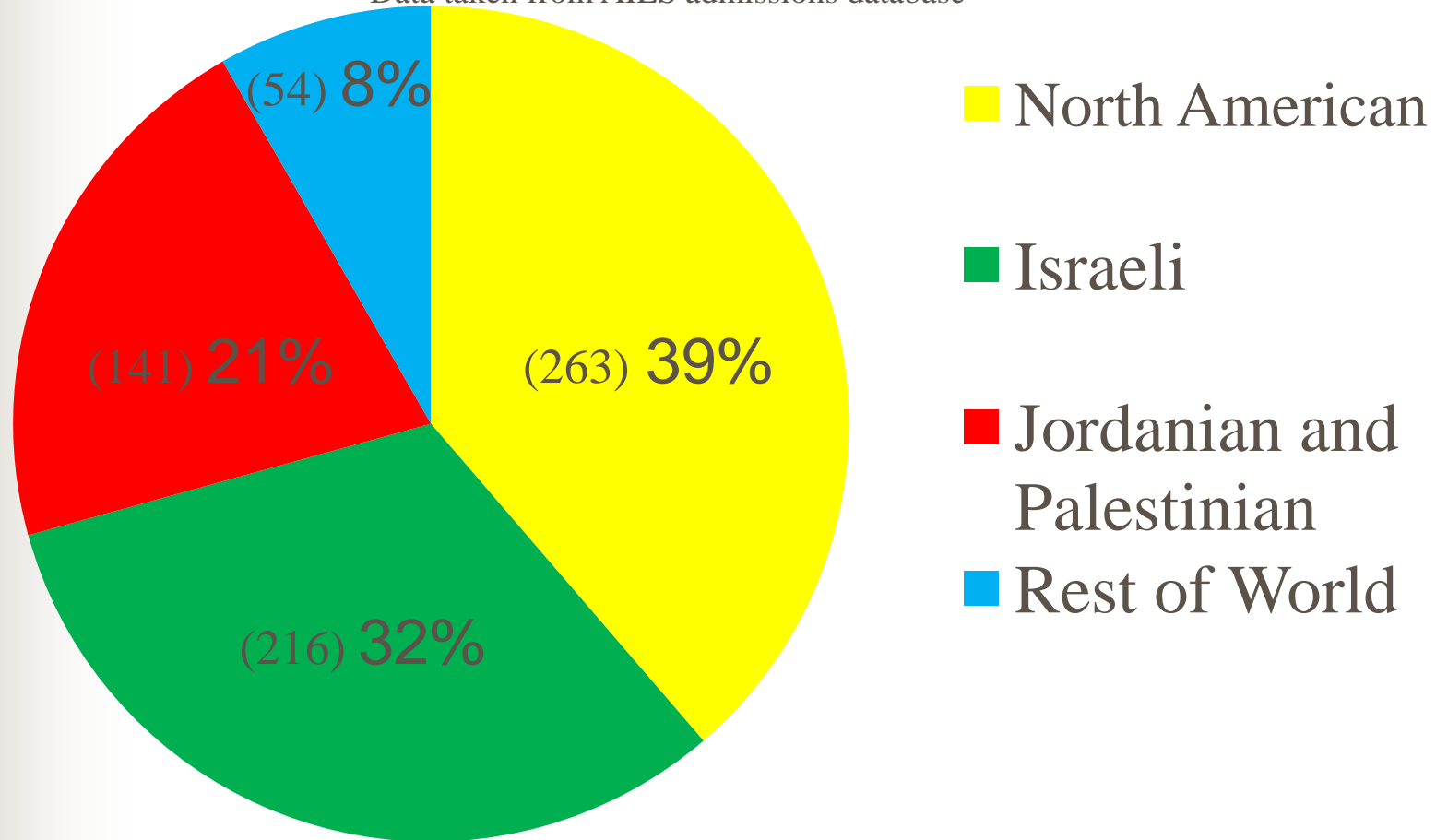
Research, conservation, environmental protection, sustainable development and peace building skills.

- Prepare future Arab and Jewish leaders to cooperatively solve the region's environmental challenges.
- Teach future leaders from all over the world that “nature knows no borders”.

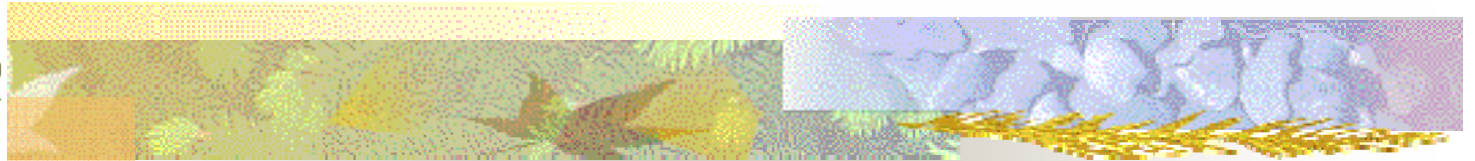
AIES Student Nationalities

1996-2009 (Actual Number) %

Data taken from AIES admissions database



Total Number of students = 674



Academic Program

- Masters and PhD studies
- Courses: Energy and Environment



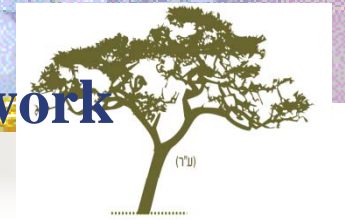


Peace-building and Environmental Leadership Seminar (PELS)



- cultural sensitivity
- leadership capabilities
- challenge barriers

The Arava Alumni Peace and Environmental Network (AAPEN)



Alumni of the Arava Institute

AAPEN Vision:

We are a community of international citizens connected by the Arava Institute who cooperate to transcend political borders for environmental change, education and a culture of peace.



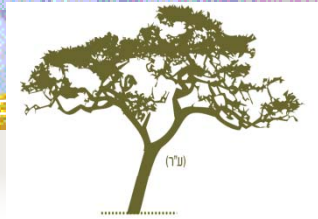
Themes of Alumni Projects Include:

Sustainable Development Alternative Energy Public Health

Environmental Education



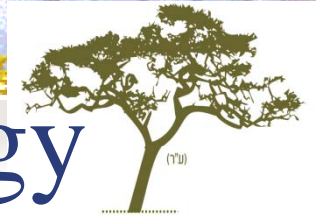
AIES Research Program



Current Areas of Research and Interest

- Renewable Energy
- Red Dead Conduit
- Environmental Policy
- Sustainable Agriculture
- Water Resource Management & Policy
- Air Quality Monitoring (PM2.5)
- Environmental Education (Common Paths)
- Sustainable Development (ACSDAL)
- Conservation and Ecology (LTSER)
- Climate Change Impacts (Dead Sea Science Centre)

Center for Renewable Energy and Energy Conservation (CREEC)



- **Combined studies** at the Arava Institute **and** the National Solar Energy Center at the Sde Boqer Campus of BGU
- Research and development in **regional initiatives, pilots and commercial operations**
- **Small-scale renewable energy generation projects**
- **Sustainable energy policy** research program to promote a **renewable energy strategy** for Israel and the Middle East
- Joint research with **the Dead Sea and Southern Arava R & D Science Center.**



Ben-Gurion University of the Negev
The Jacob Blaustein Institutes
for Desert Research (BIDR)



Validation Centre



Effect of climatic conditions on the PV output



Center for Trans-boundary Integrated Water Management (CTIWM)

- Fostering dialogue and collaborative research on trans-boundary water resources

Examples of projects:

- Training Programs
 - For water management professionals from Jordan, Israel and the Palestinian Authority
- GLOWA Jordan River
 - Environmental flow assessment of the lower Jordan River
- Red-dead conduit
 - Two year feasibility study
 - Possible social and ecological impacts



- *Sustainability Reports*
- *Compliance analysis*
- *Environmental impact assessments*
- *Research teams and path-finding*

Project: Bio-diesel

- Feasibility research for conversion of organic waste to energy

Center for Sustainable Desert Agriculture

- Study of endangered medicinal herbs
- Search for plants that can be grown in marginal and arid areas
- Study of biblical plants native to Southern Israel and Jordan



Project Example:

MERC joint project between Arava Institute and JUST

- To introduce salt tolerant, water saving crops in more sustainable agricultural systems.
- Restoring forests in Jordan
- Pilot projects in 8 locations



Hope to see you all in our offices soon!



