GWN Community: Tamar Regional Council

Name of project: Ecologically Constructed Clubhouse, Kibbutz Ein Gedi

Environmental & Educational Benefits:

- This green building effort showcases a type of building that does not only cause no harm to the environment but actually improves it. Most of the building materials are from natural and waste materials. By reusing these materials, the students contributed to the reduction of waste that is thrown away and to the conservation of building materials, which would otherwise contributor to air, water, and ground pollution.
- Learning about ecological building practices help youth understand how to cater to the everyday needs of communities while minimizing negative environmental impacts and creating and sustaining mutually beneficial relationships with all elements of the local ecology

Date of Construction: March 2008

Team: Youth Water Trustees from Jordan, Palestine and Israel. FoEME Community Coordinators.

Materials: recycled tires, plastic waste, metal construction to hold the roof, straw, clay, sand and paper, plaster, cooking oil

Description:

- This form of "mud building" uses straw, sand and clay for the construction of buildings. The technique used here is known as adobe and cob construction.
- The roof is sealed using recycled material from organic fibers (newspaper) that is soaked in bitumen. This material is used to seal a roof from water for years at a time, thus saving maintenance work that is otherwise necessary with local building materials.

Pictures: