



# Engineers Without Borders – Greece



Larnaca Meeting, 3-6 March

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[www.ewb.gr](http://www.ewb.gr)

# Past Projects



- Attica - 16 EWB-Greece members worked on approximately 80 **assessments of buildings** after the earthquake in demand of Municipalities in the extended area. Its magnitude was 6.0, occurred on the 7<sup>th</sup> of September 1999 – 143 people died.



# Past Projects



- **Technical assistance** in the rural area Arambagh of West Bengal, India (to provide clean potable water, to construct 2 school buildings and cover with asphalt 1km of road). Consulting assistance to the local NGO Pudar.

# Past Projects



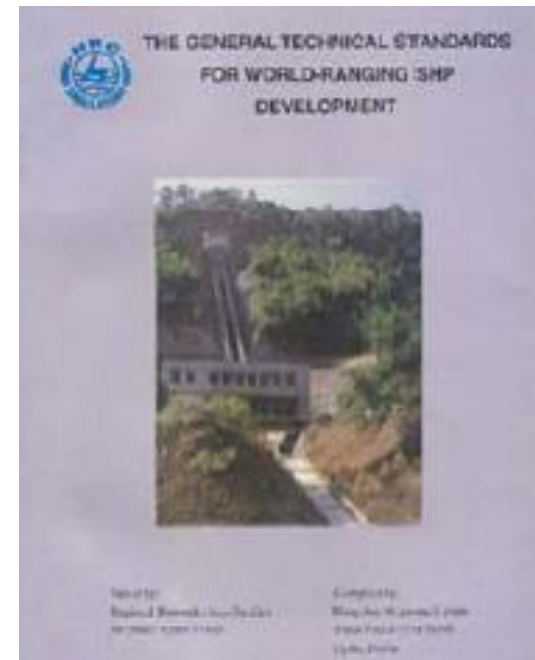
- Cape Verde - **Water resources management** of two river basins and secure design of two water containment ponds using special waterproofing cover and/or flexible geo-membrans.



# Past Projects



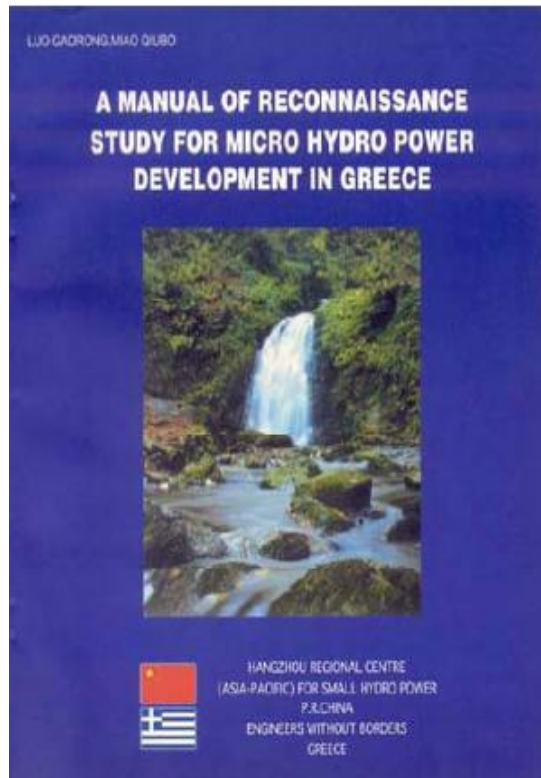
- Contributed to the **publication of General Technical Standards** for world ranging Small Hydropower Development along with a committee headed by HRC (Hangzhou Regional Center) and UNIDO (United Nations Industrial Development Organization).



# Past Projects



- A Manual of reconnaissance **study for micro hydro power development** in Greece and a relevant seminar in Athens sponsored by the Greek and the Chinese governments.



# Past Projects



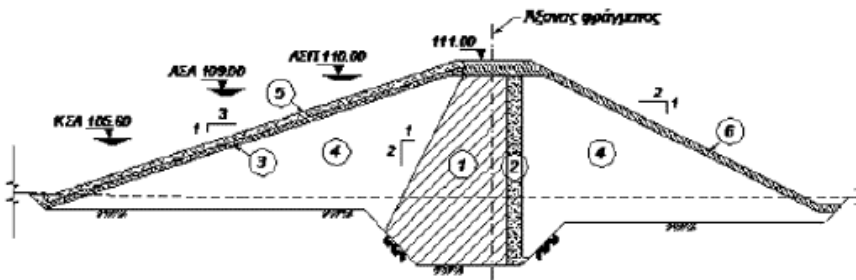
- **“Basali” Maternity house** in the area of Kalash in Pakistan able to accommodate over 70 women before, during and after childbirth in collaboration with the NGO *Greek Volunteers*.



# Past Projects



- **Multipurpose building in South Ethiopia** (educational, medical purposes etc.)
- **Damte Dam in South Ethiopia** with the affiliation of two Ethiopian committees. In normal operation it offers more than 500,000 m<sup>3</sup> irrigation water to the local community.



# Current Projects



## Housing Project and Construction of Roads

Bahia and Rio Grande do Norte, Brazil



# Current Projects



## Housing Project and Construction of Roads

Bahia and Rio Grande do Norte, Brazil

Area's main form of housing: *favelas*. Low cost precast – prefabricated housing could be a sustainable solution.



# Current Projects



## Housing Project and **Construction of Roads**

Bahia and Rio Grande do Norte, Brazil

Area's most regional roads are not paved.

Local municipalities expressed the need for improving the network.

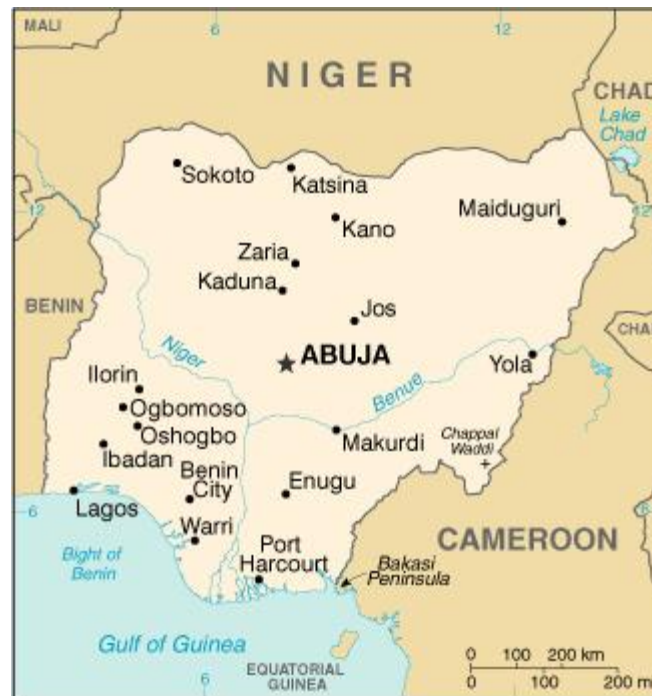
A cheap solution could be paving with light cobstones.



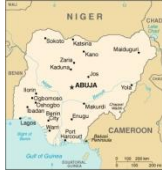
# Current Projects



## Provision of Water for Two Communities & Science Equipment for Secondary School Nigeria



# Current Projects



## Provision of Water for Two Communities

Nigeria

Community Akwa Ibom gets water from a stream quite far from their homes.

We either channel the water to them through pipe and a pumping machine or we have to dig a borehole. Preferably, powered by solar energy.

Required: Channel of water through pipes, Pipes, Pumping Machine, Over head tank, Solar panels.

# Current Projects



## Provision of Water for Two Communities

Nigeria

Borehole in Otupka (Benue State) & Koton Karfe (Kogi State).

Powered by solar panel with overhead tank. The state of their water supply is even worse than the first case.

Required: Pipes, Pumping Machine, Over head tank, Solar panels.



# Current Projects



## Science Equipment for Secondary School

Nigeria

Science Equipment for Secondary School in Ilafin, Kogi State.

Required: Microscope, Test Tubes, Gauge, Pipette, Burette, Conical Flask, Beaker, Weighing balance.



## Linking up with other EWBs



- EWB Greece joined the EWB International network in 2008.
- Participated in SEEM April 2009 in Cyprus and some initial steps on collaborations with EWB Palestine and EWB FYROM have been made.
- Took part in the ISF/EWB European Meeting in Torino (Italy), 2009.
- Eager to learn from other chapters about two main challenges:
  - a. financial sustainability &
  - b. building up human resources within one's own chapter.

# Next year...



EWB Greece would be very happy to host  
the 2011 Meeting in Greece!

# Next year...



An additional feature of this meeting would be:  
to create a platform of experience exchange  
and  
to ensure the collaboration

**of as many national EWBs as possible**

broadening both the geographical scope and range of subjects.

Thank you.



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