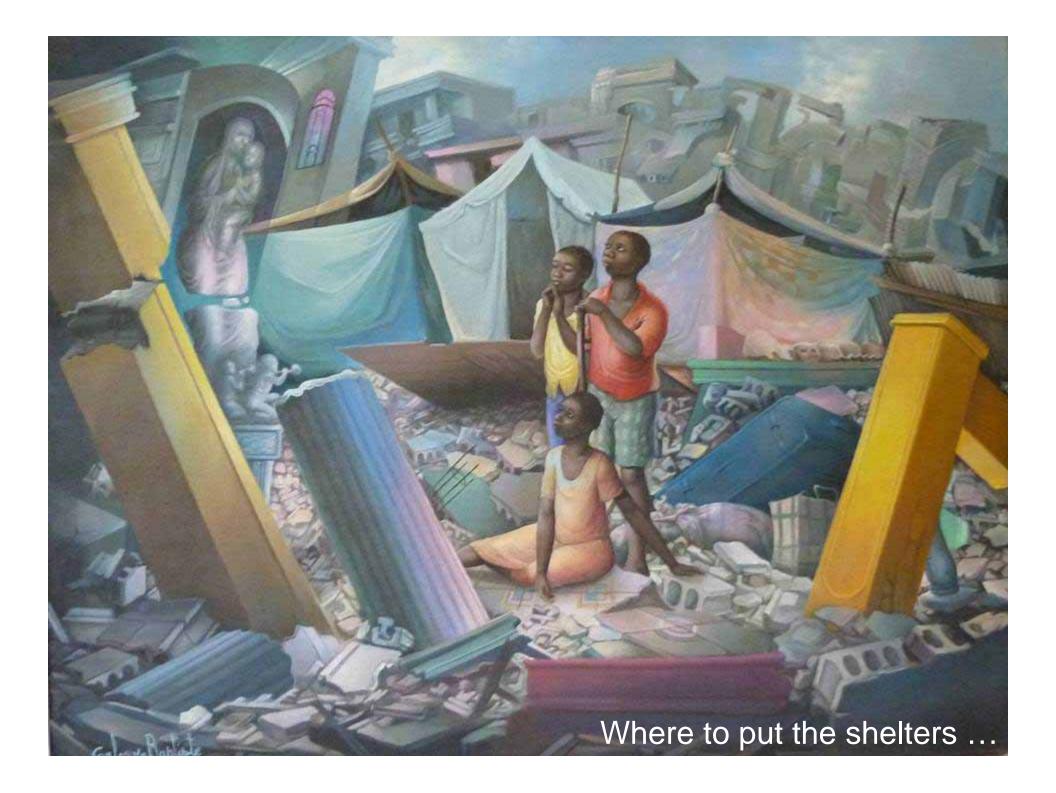
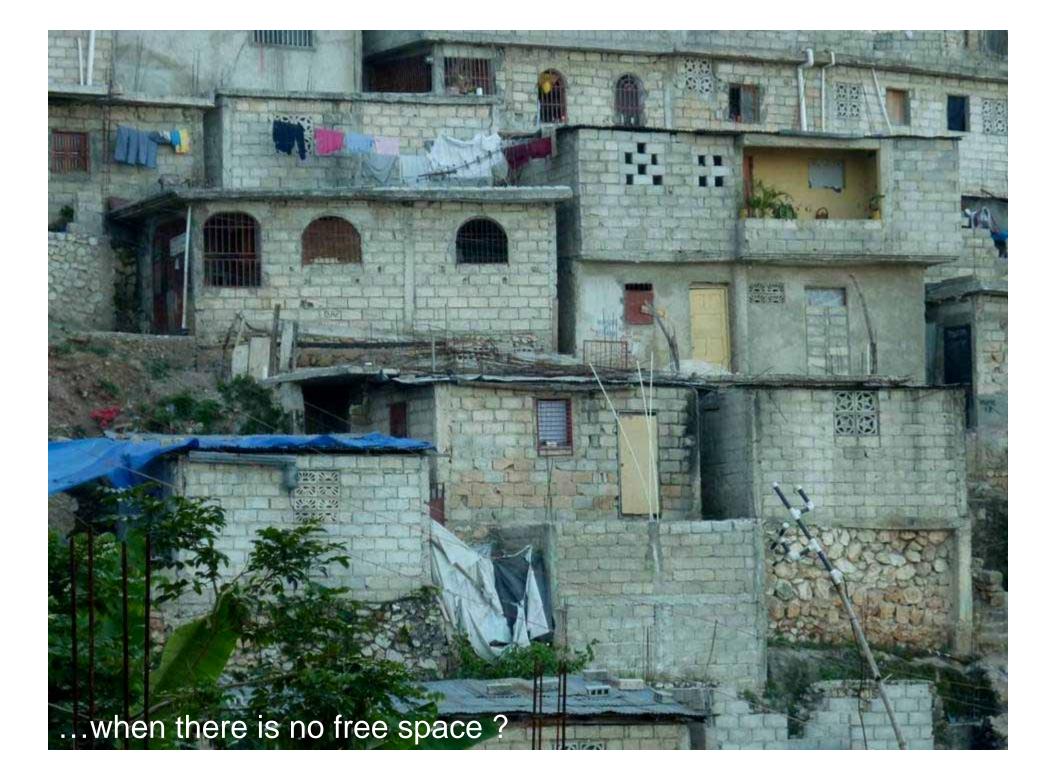
Shelter: Learning from vernacular ?

Construction Course SHA Gwatt, 25 August 2011

By Tom Schacher



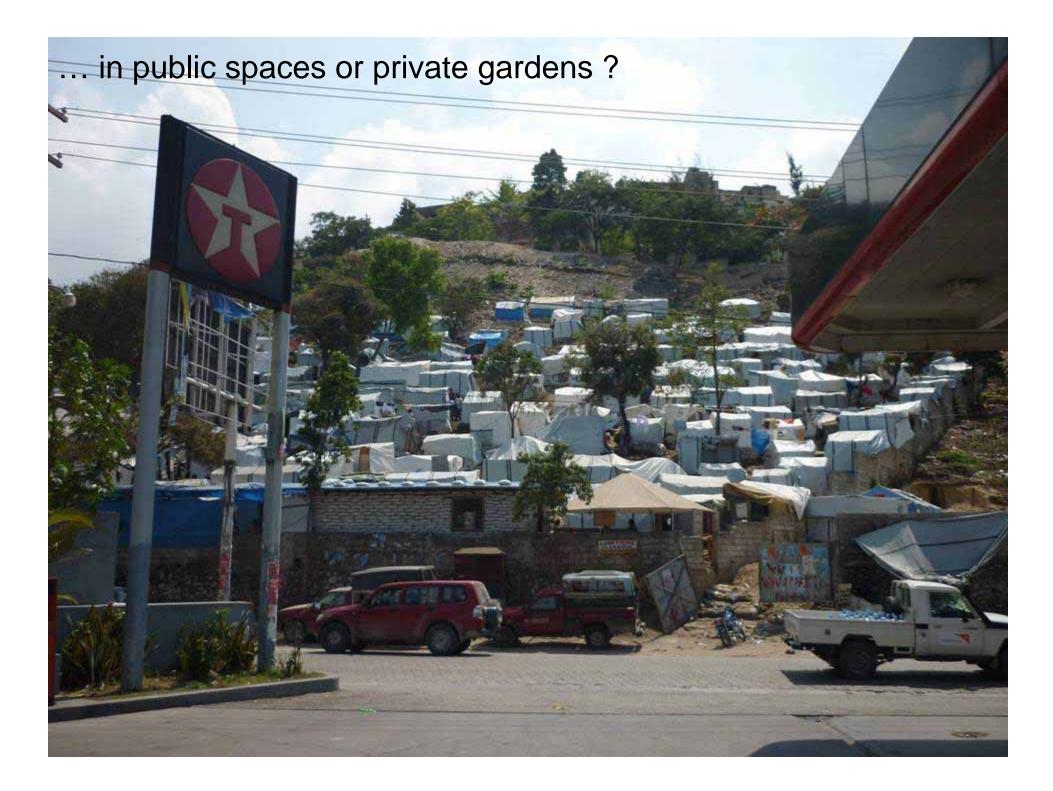


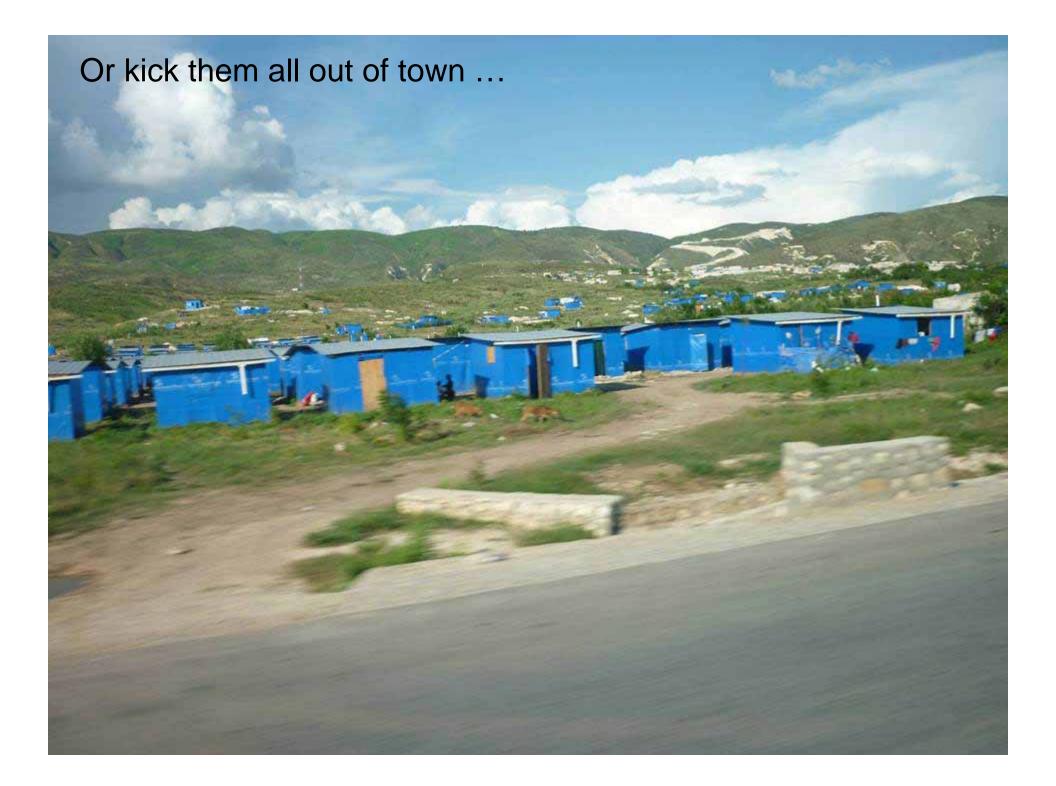












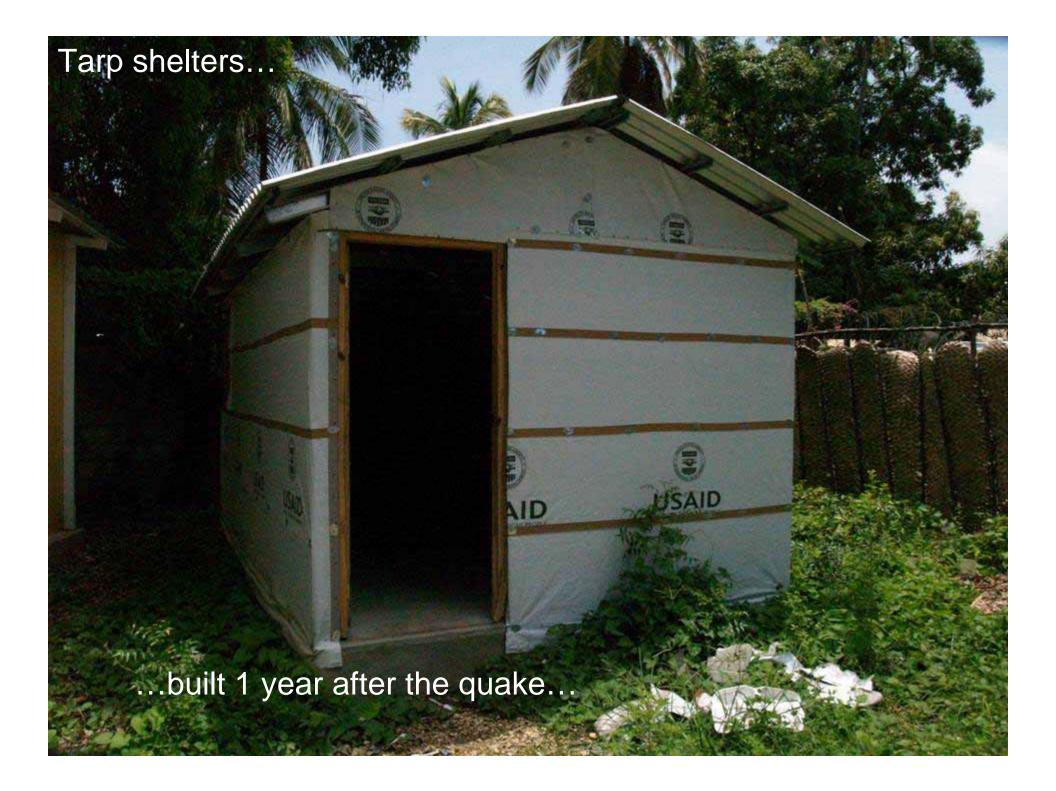
... creating new villages where the IDPs don't disturb ?

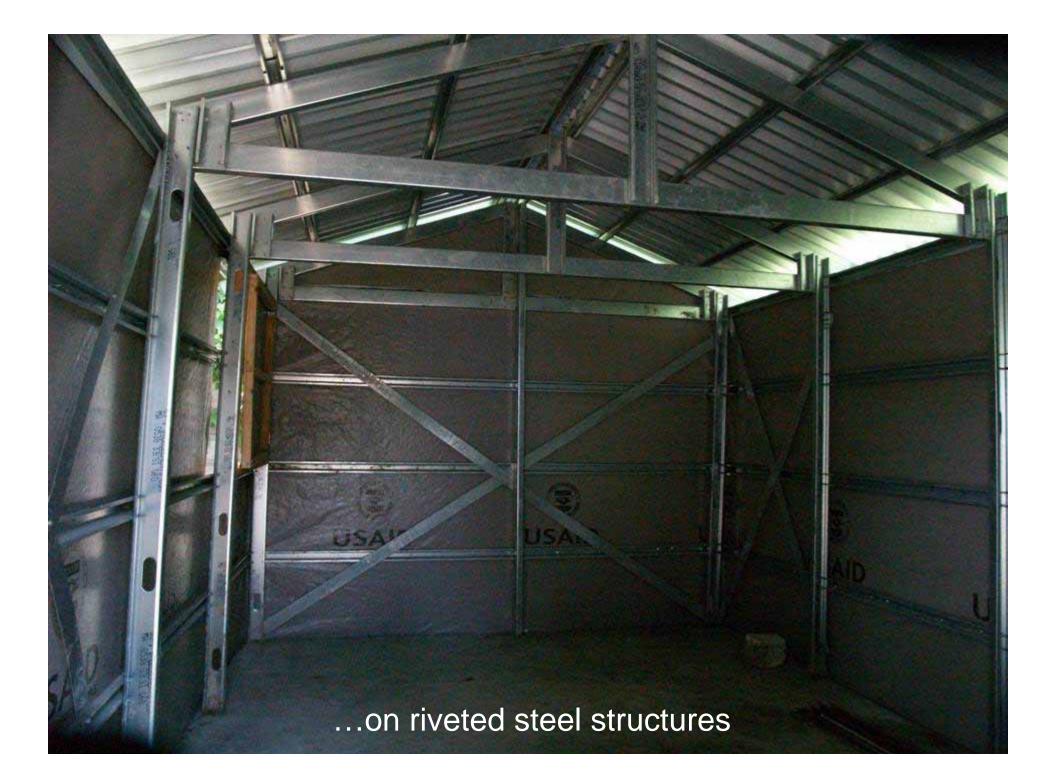


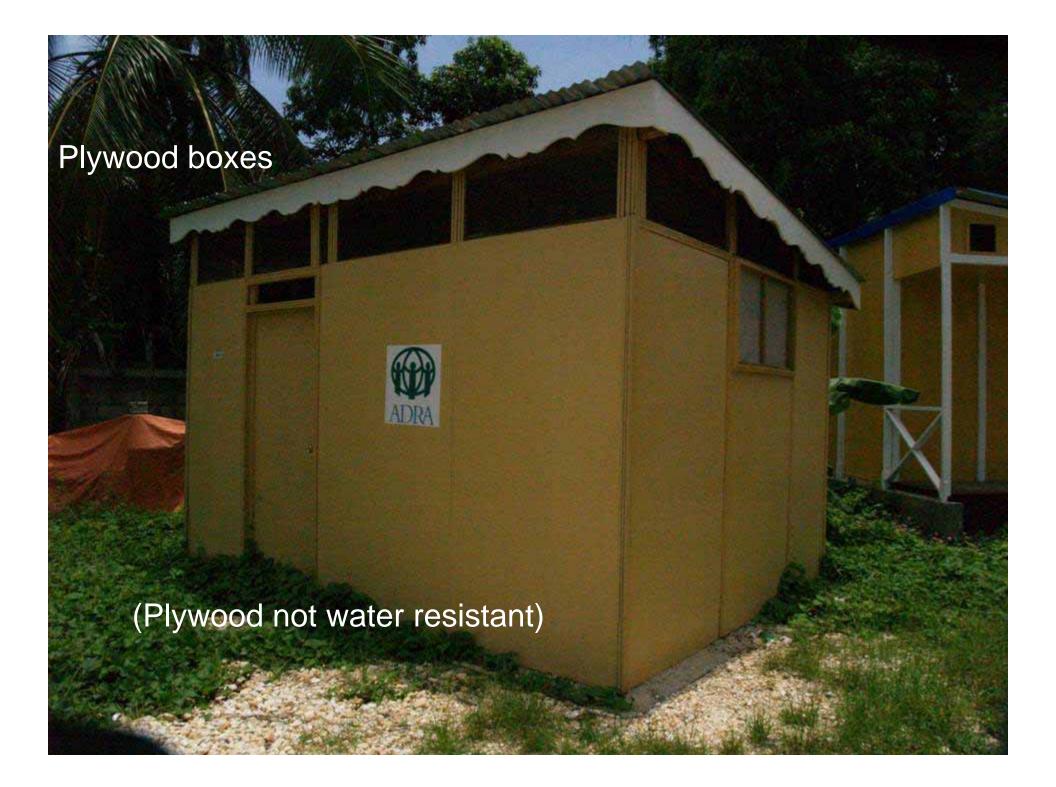


Rural context











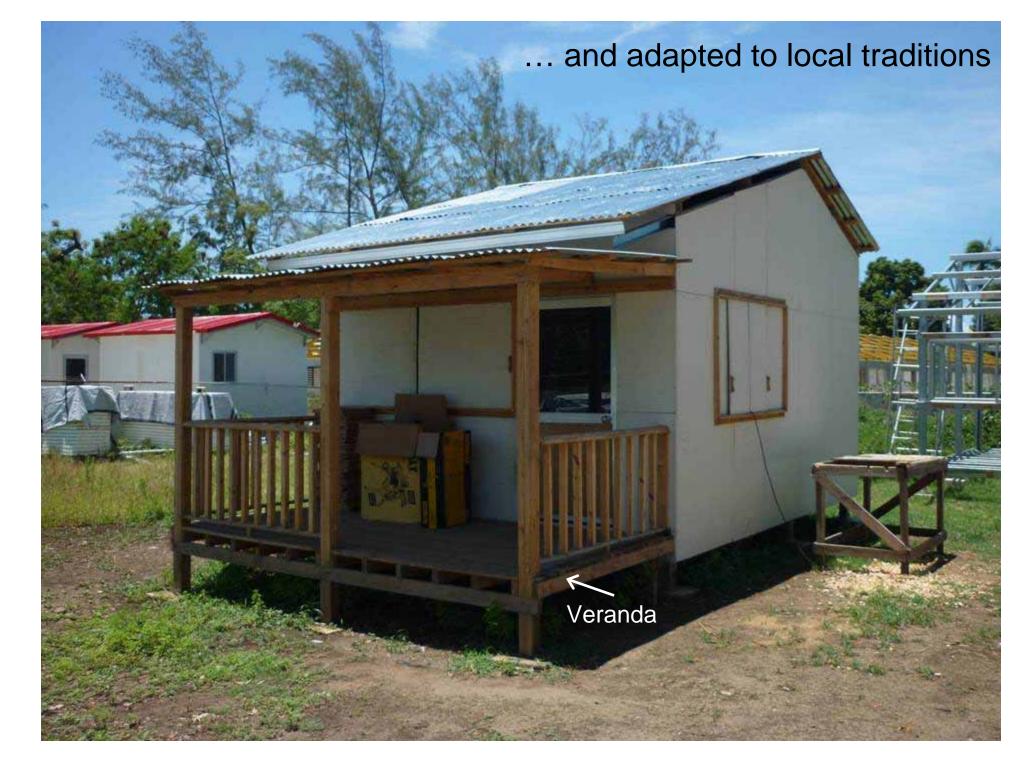




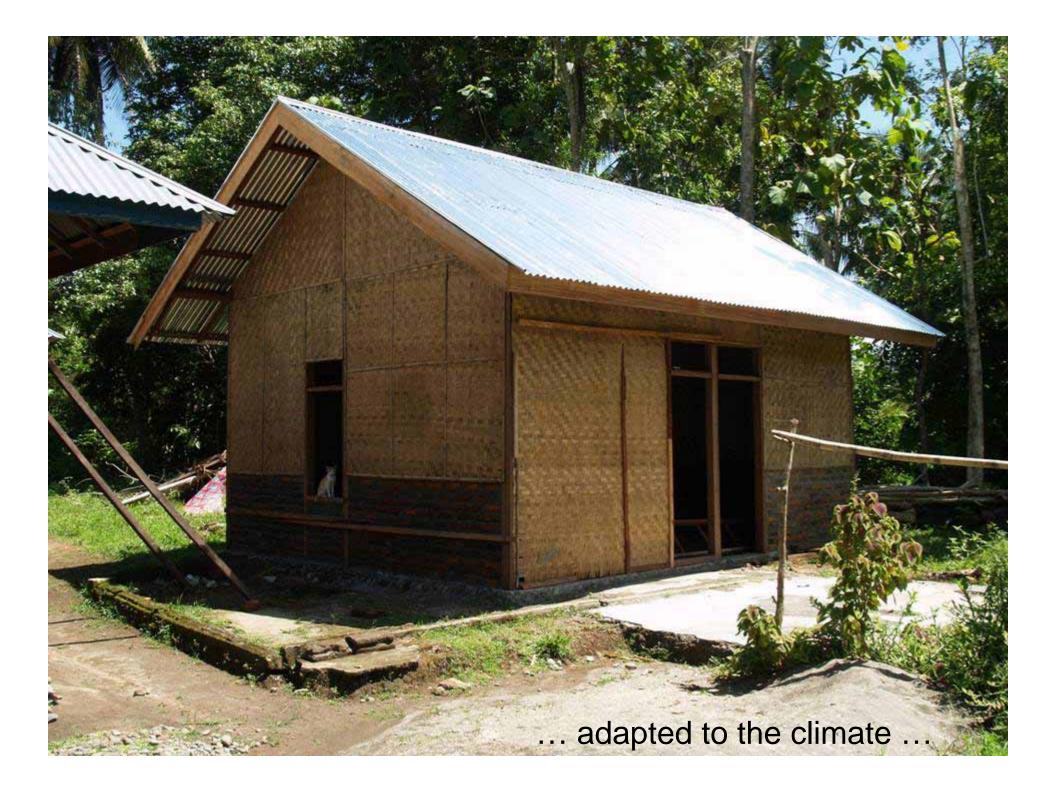
... but locally assembled...

(occupying the plot needed for reconstruction?

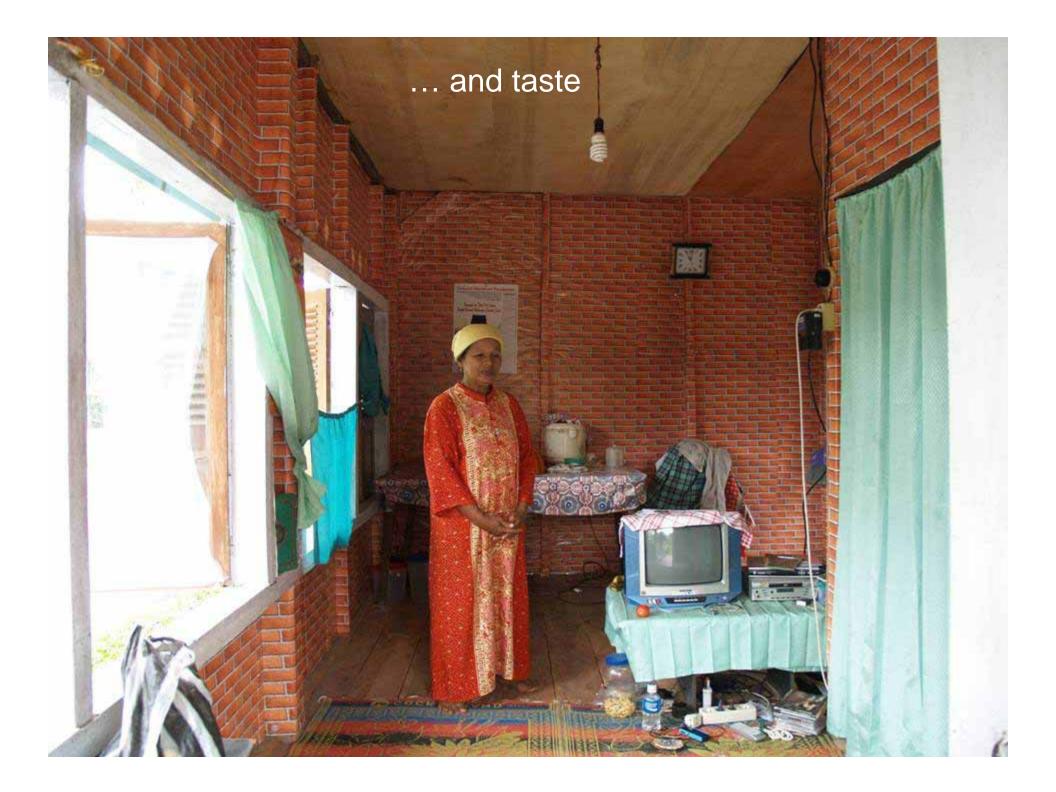


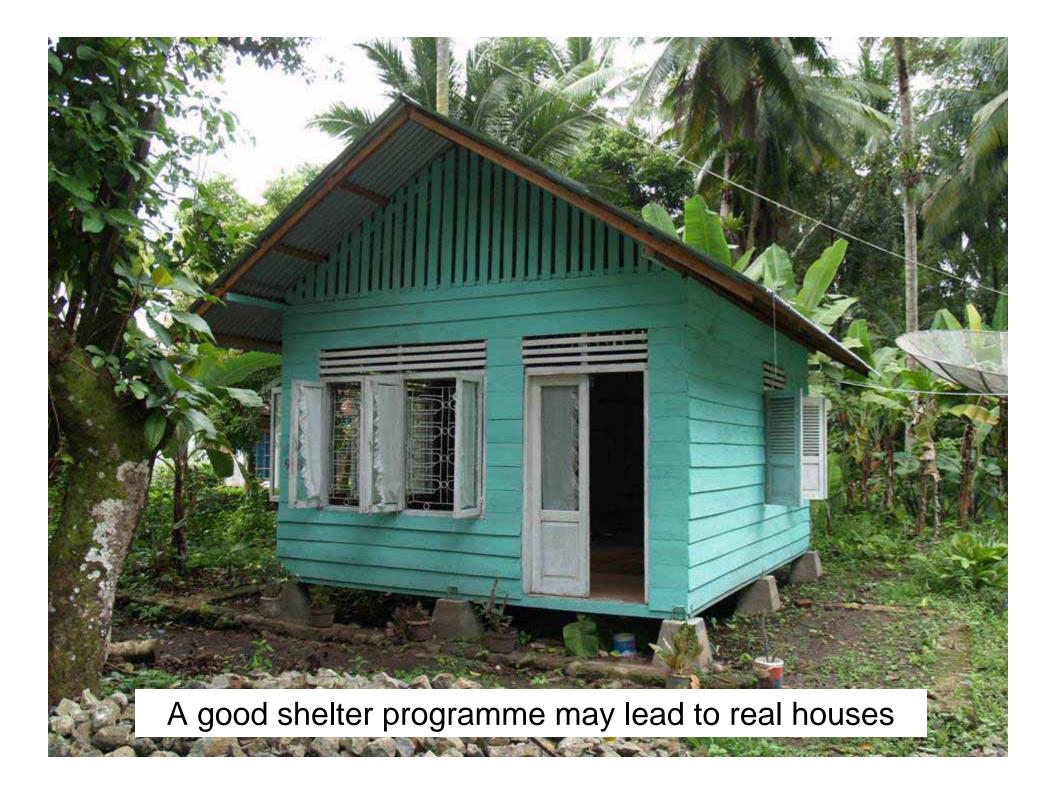








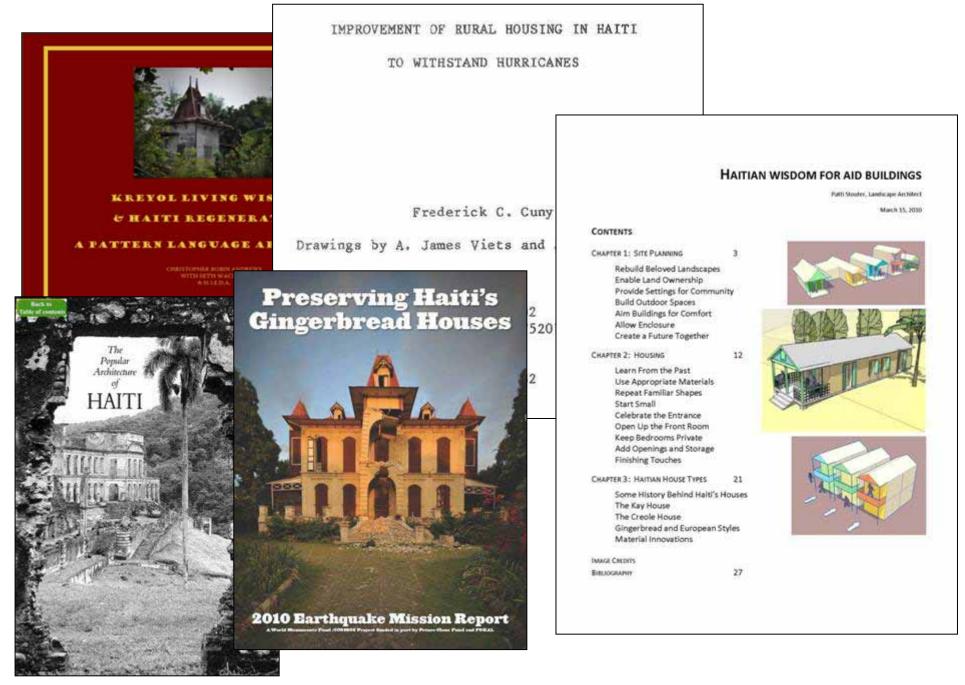




But one needs to know about local culture

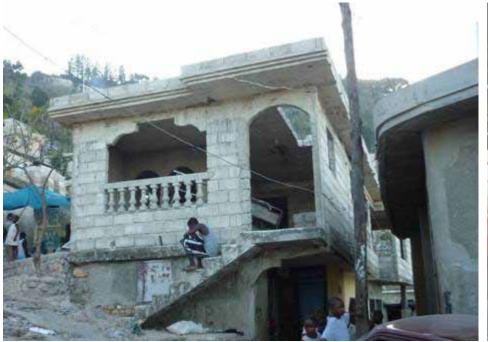


Use the internet

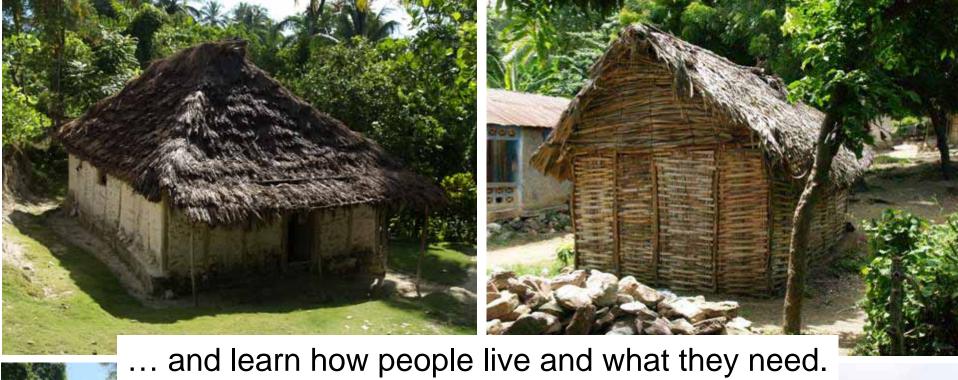




Take some time to look around...





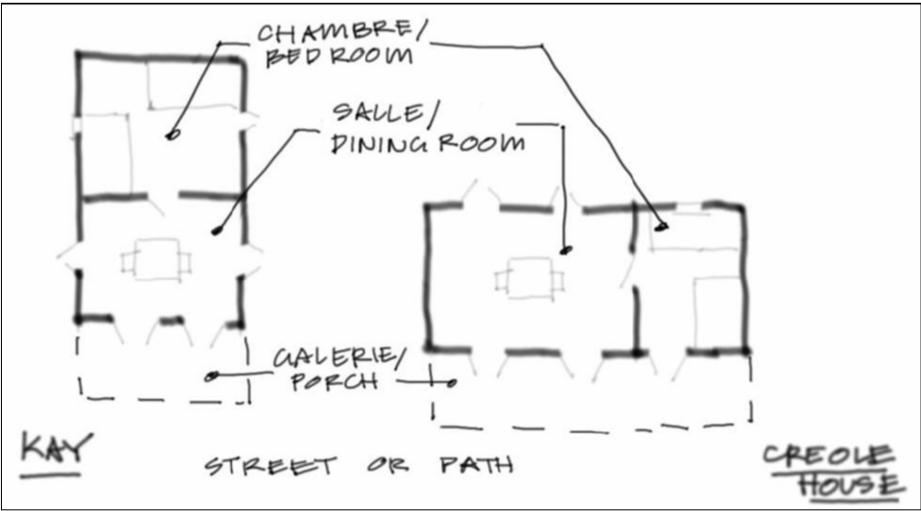






Ask questions BEFORE you give answers

How are houses organised ?



© HAITIAN WISDOM FOR AID BUILDINGS

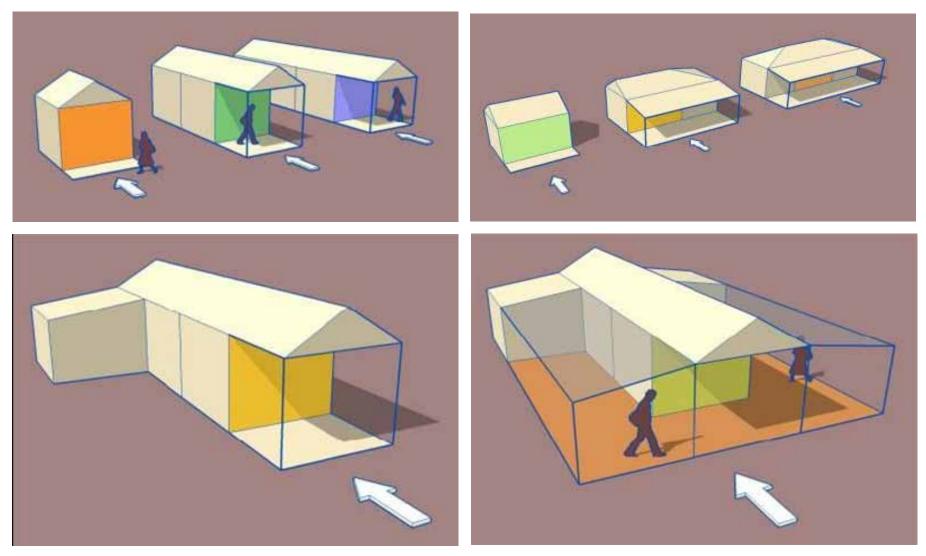
Patti Stouter, Landscape Architect

What are the important architectural elements ?



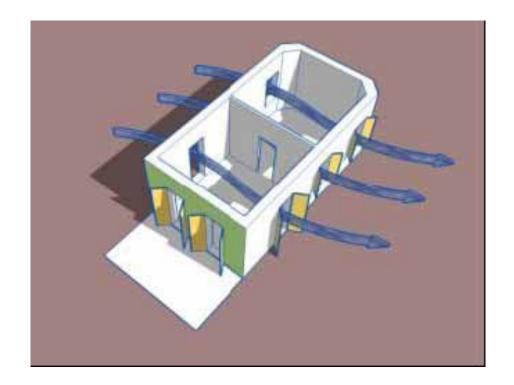
© HAITIAN WISDOM FOR AID BUILDINGS Patti Stouter, Landscape Architect

How do houses grow over time



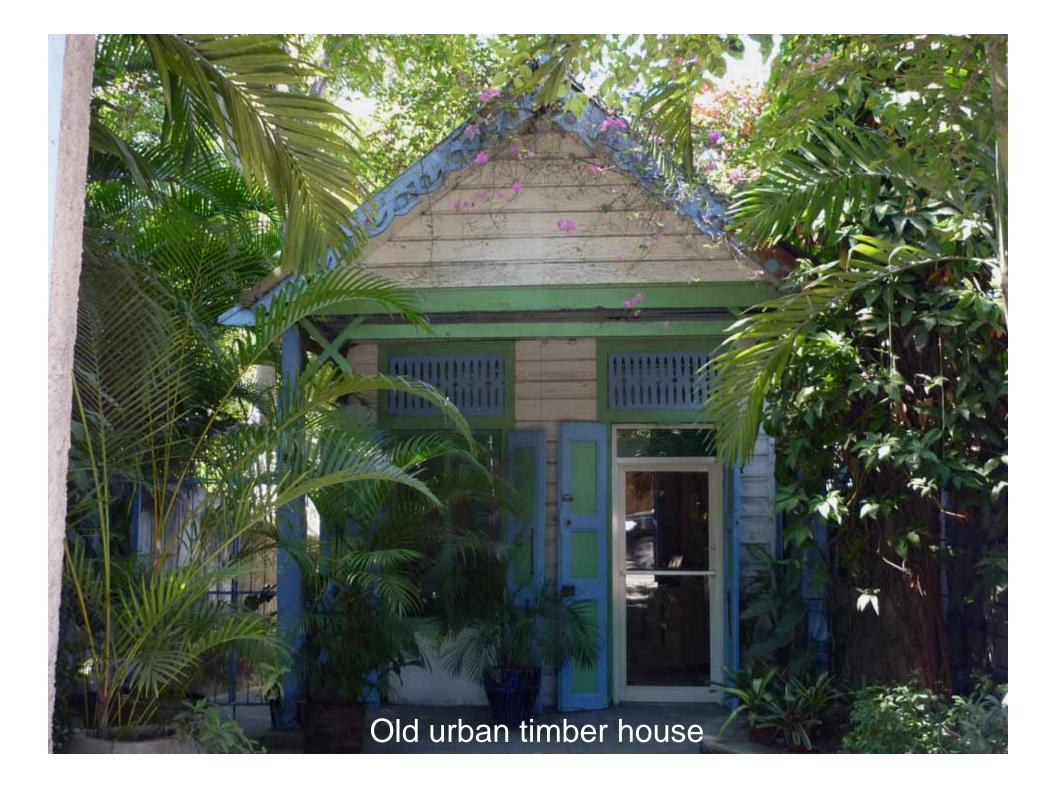
© HAITIAN WISDOM FOR AID BUILDINGS Patti Stouter, Landscape Architect

How do people cope with climate ?



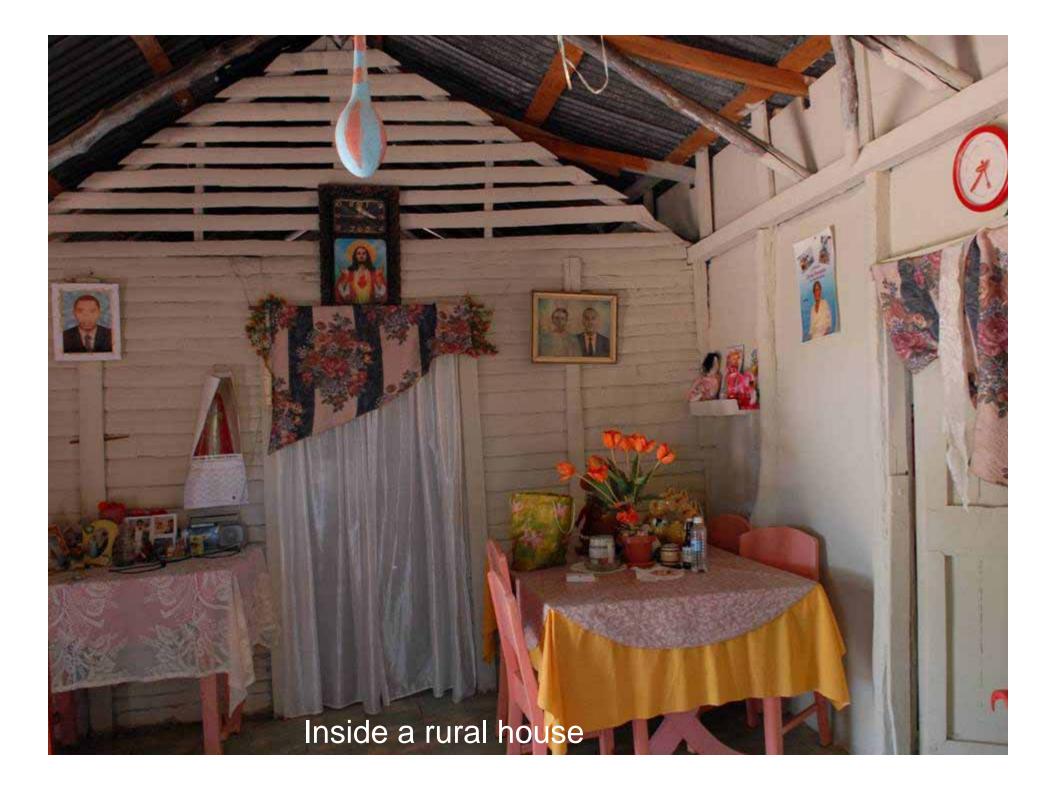
© HAITIAN WISDOM FOR AID BUILDINGS Patti Stouter, Landscape Architect

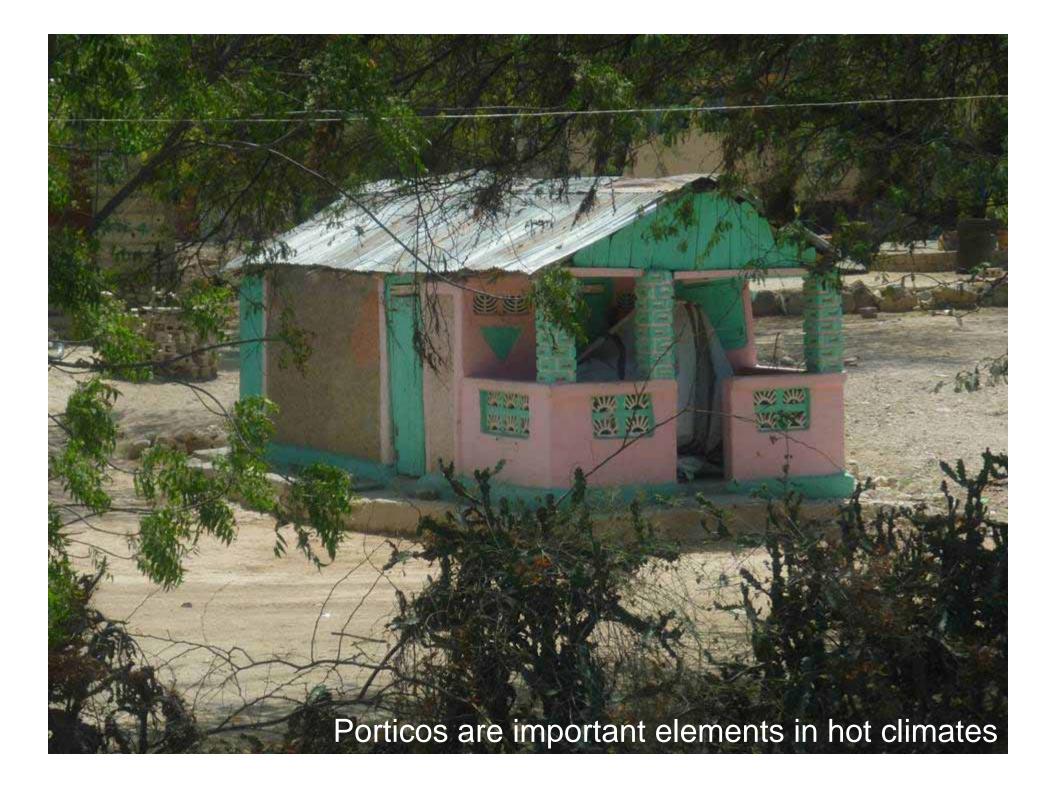
Gingerbread: timber structure with brick infills



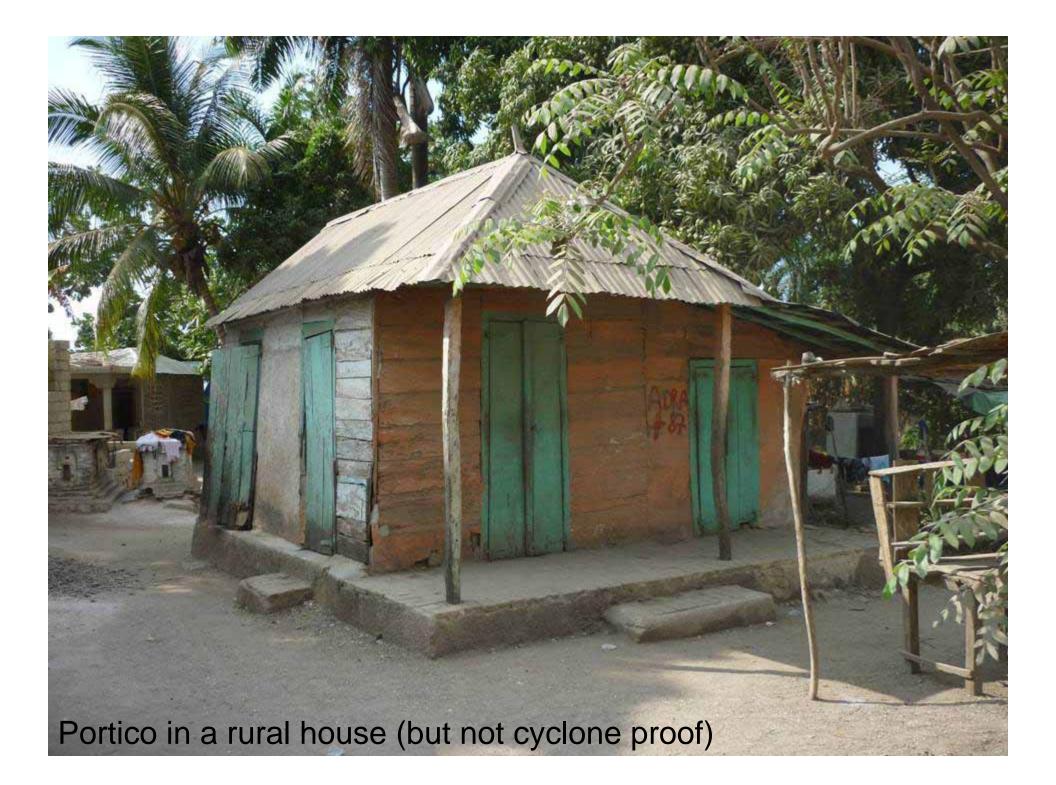
Old urban timber and stone house



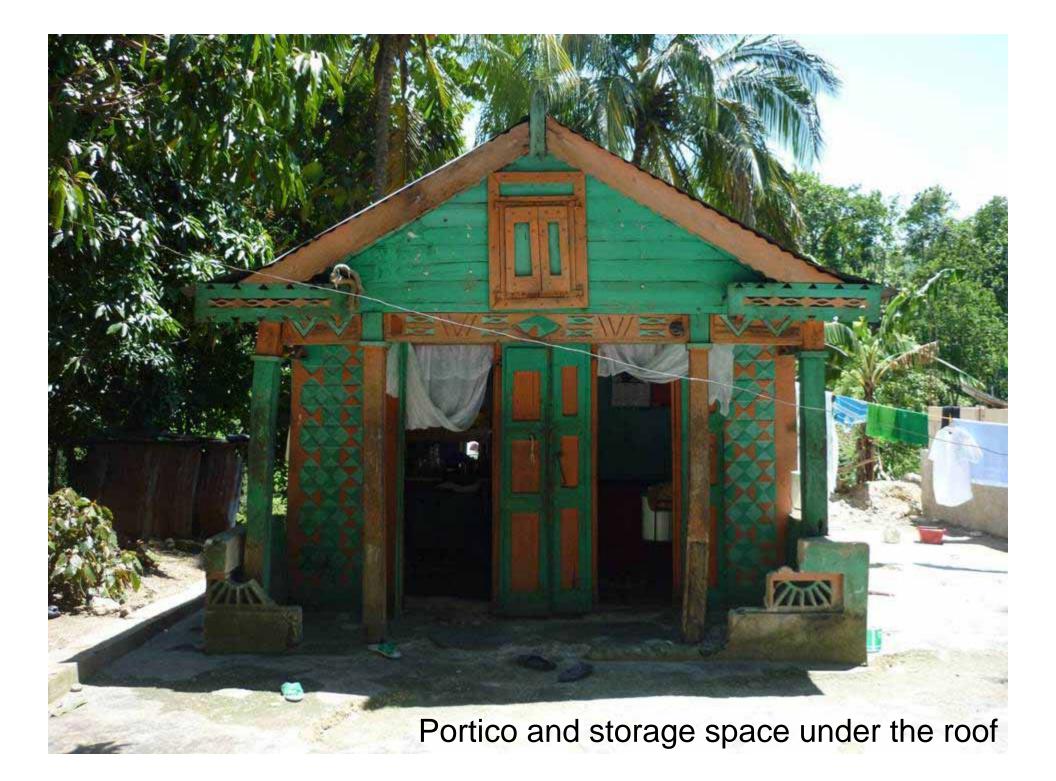


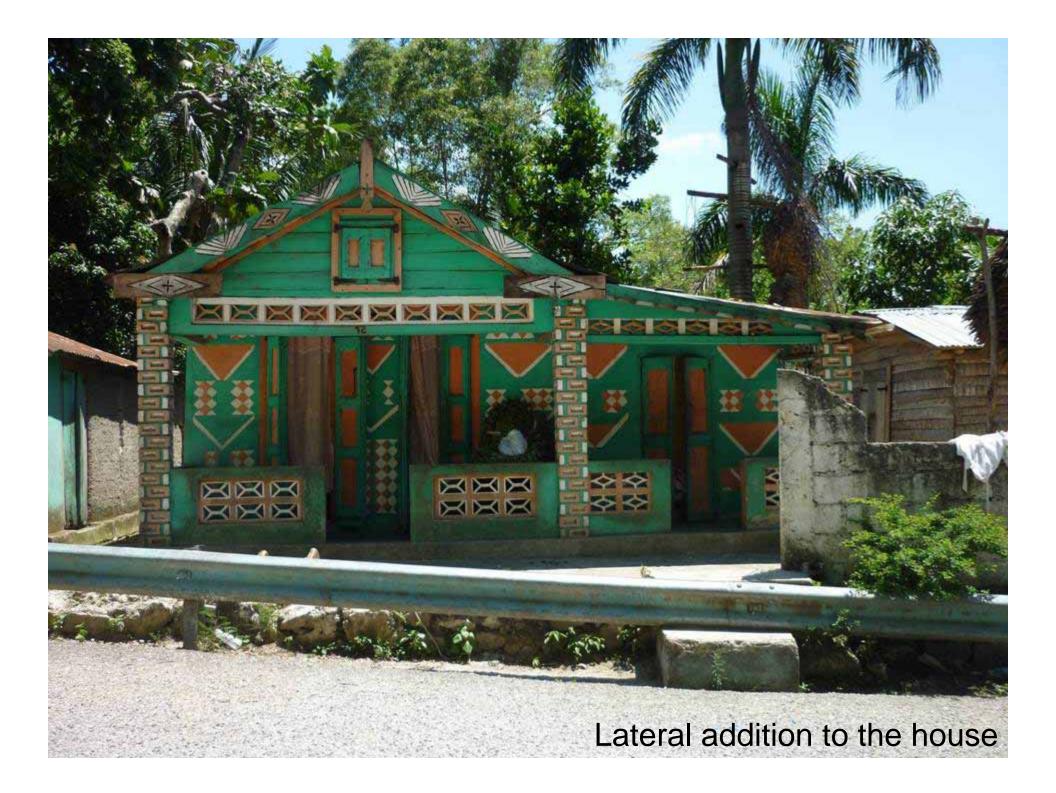




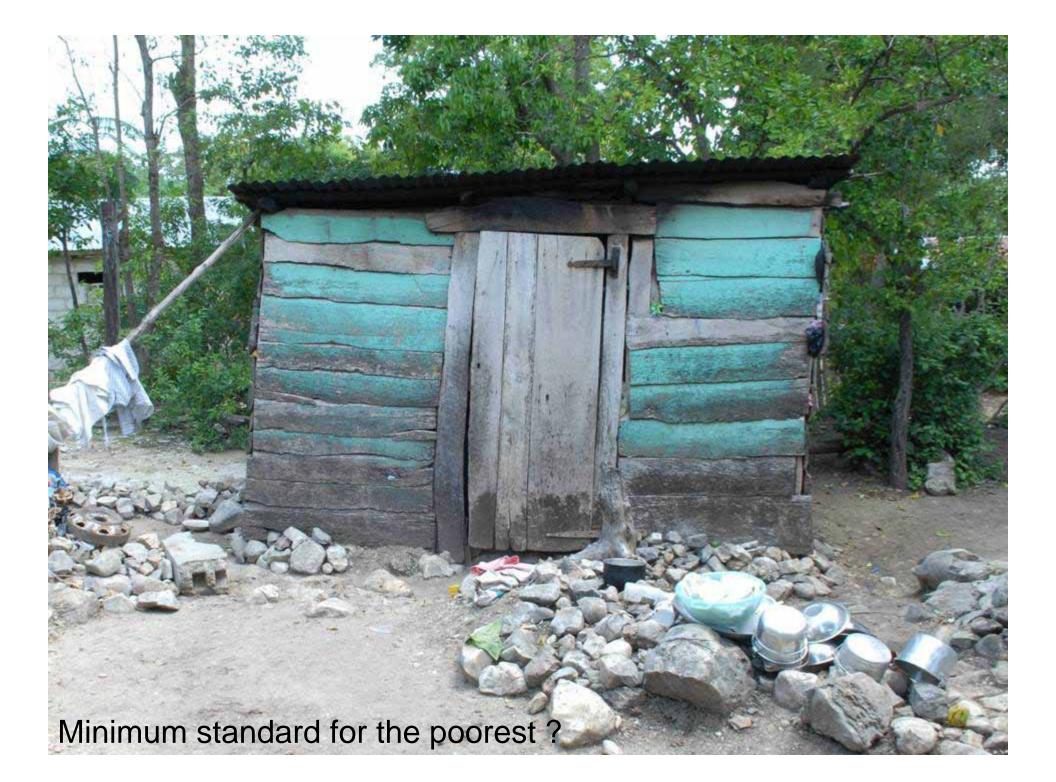




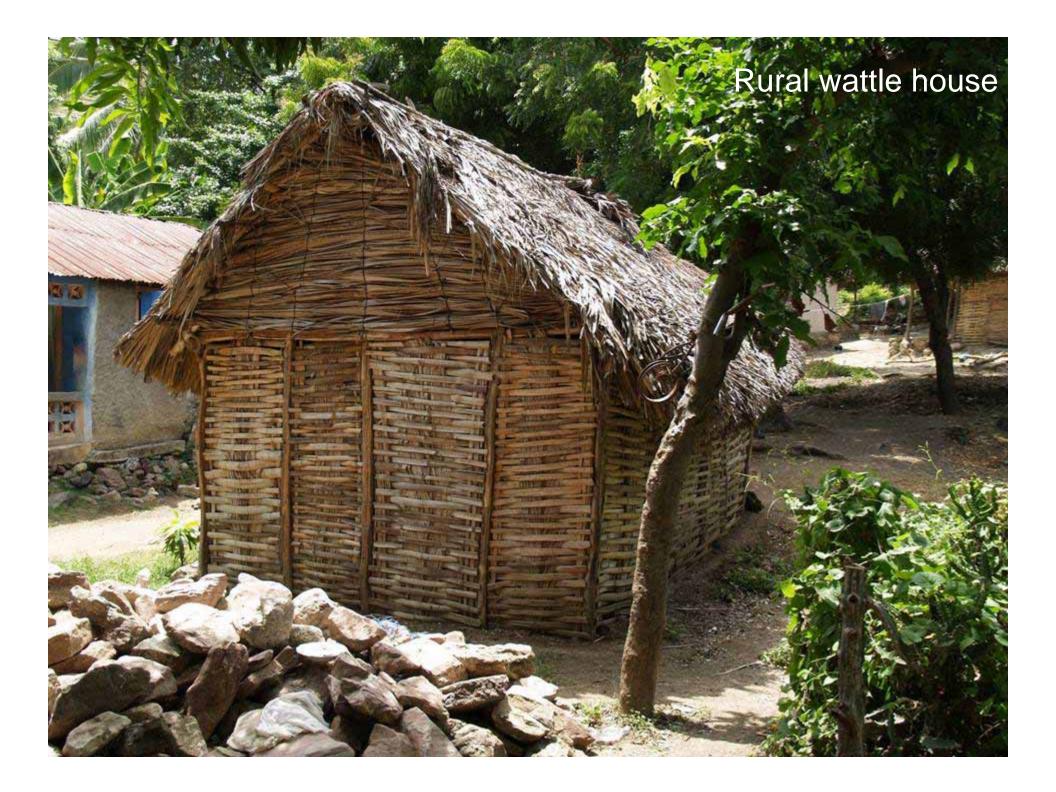


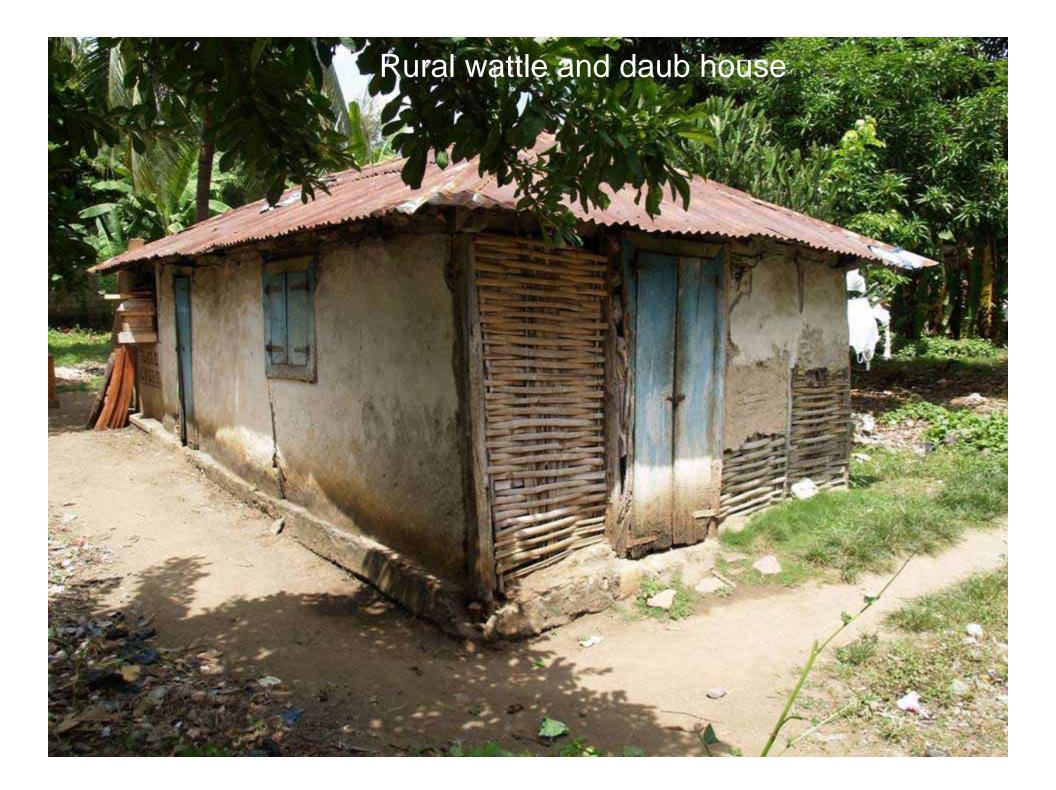


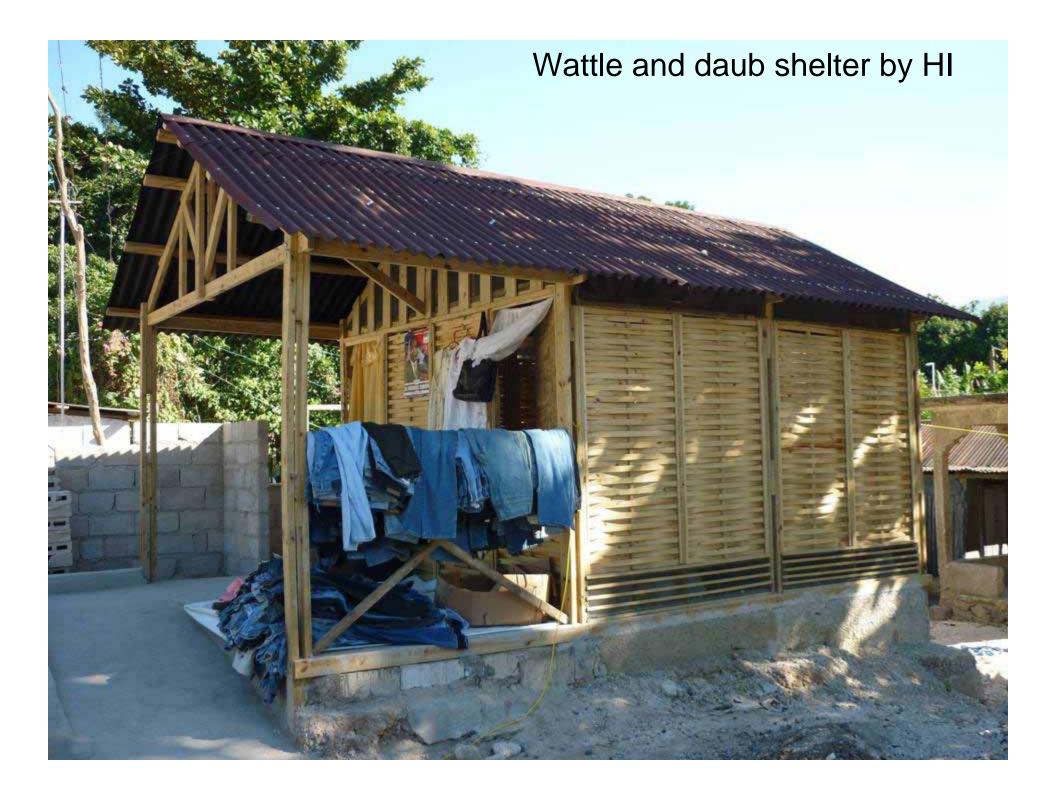




Traditional shelter built by the people themselves









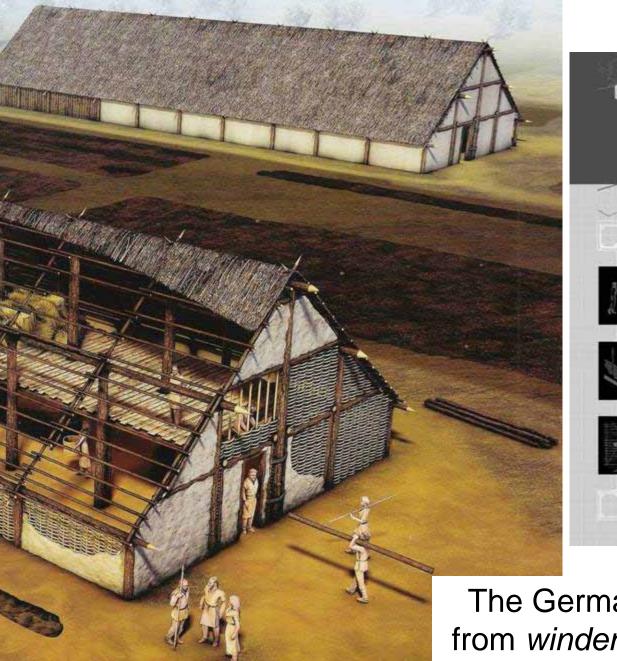
Different types of plastering according to the wishes of the client

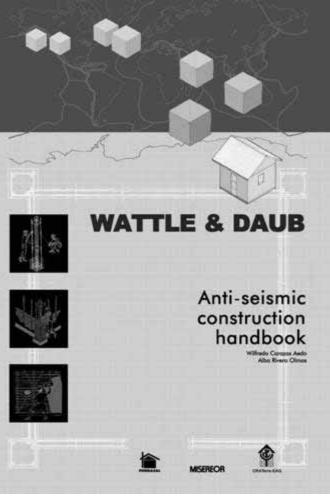


Tin roofs insulated with reeds

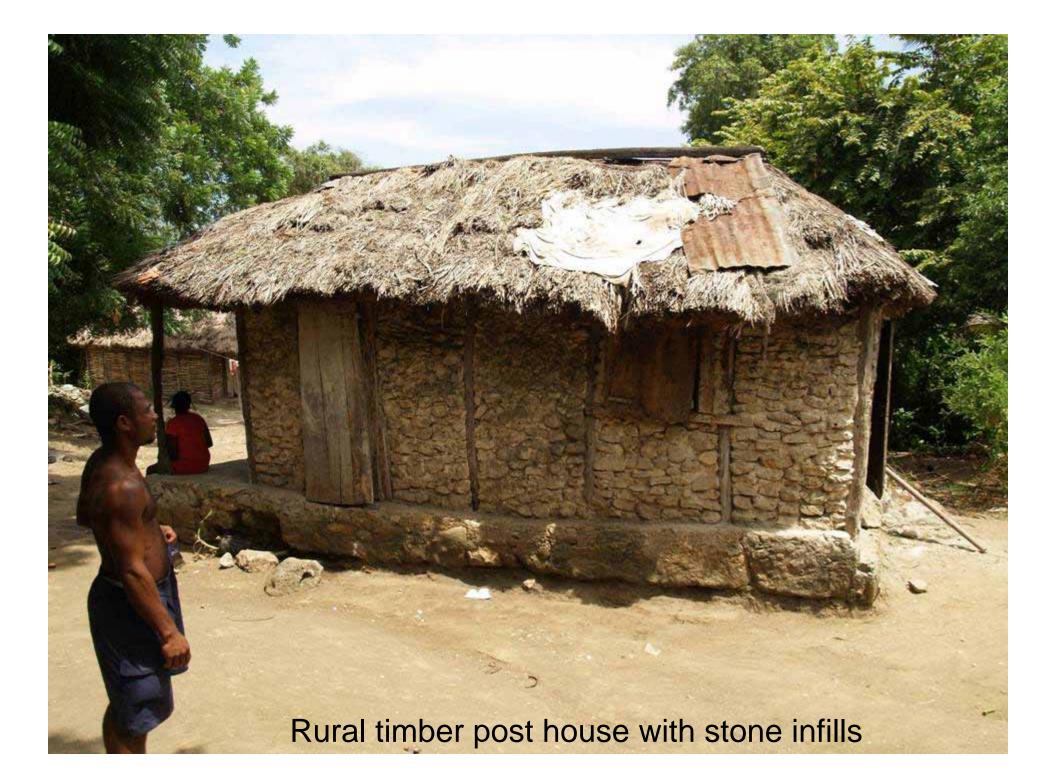
Same roof over room and veranda is not hurricane proof

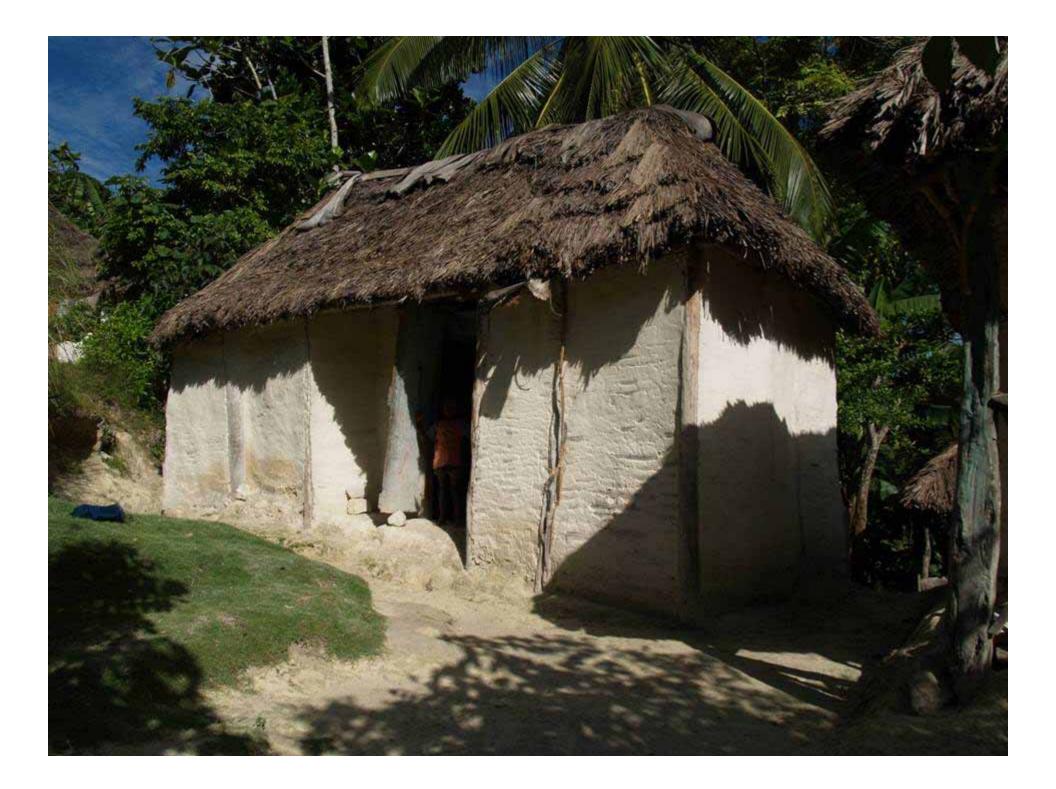
http://www.misereor.org/fileadmin/redaktion/Wattledaub%20handbook%20anti-seismic%20construction.pdf

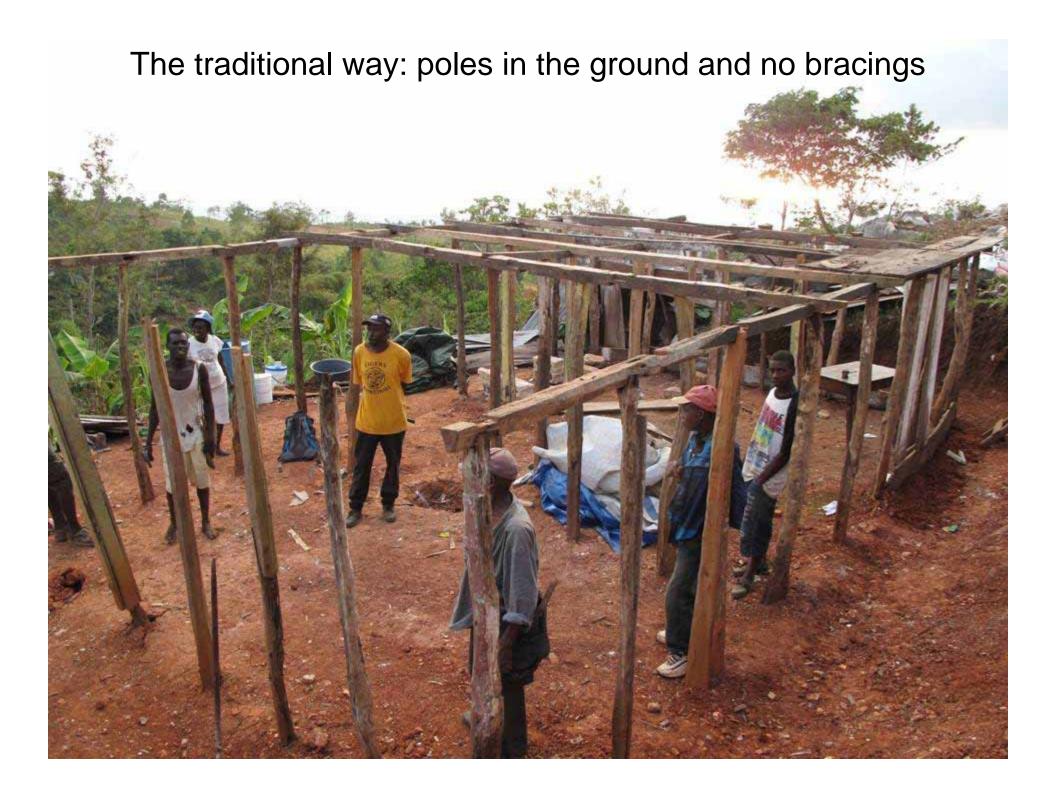




The German word *Wand* comes from *winden*, i.e. wattle and daub

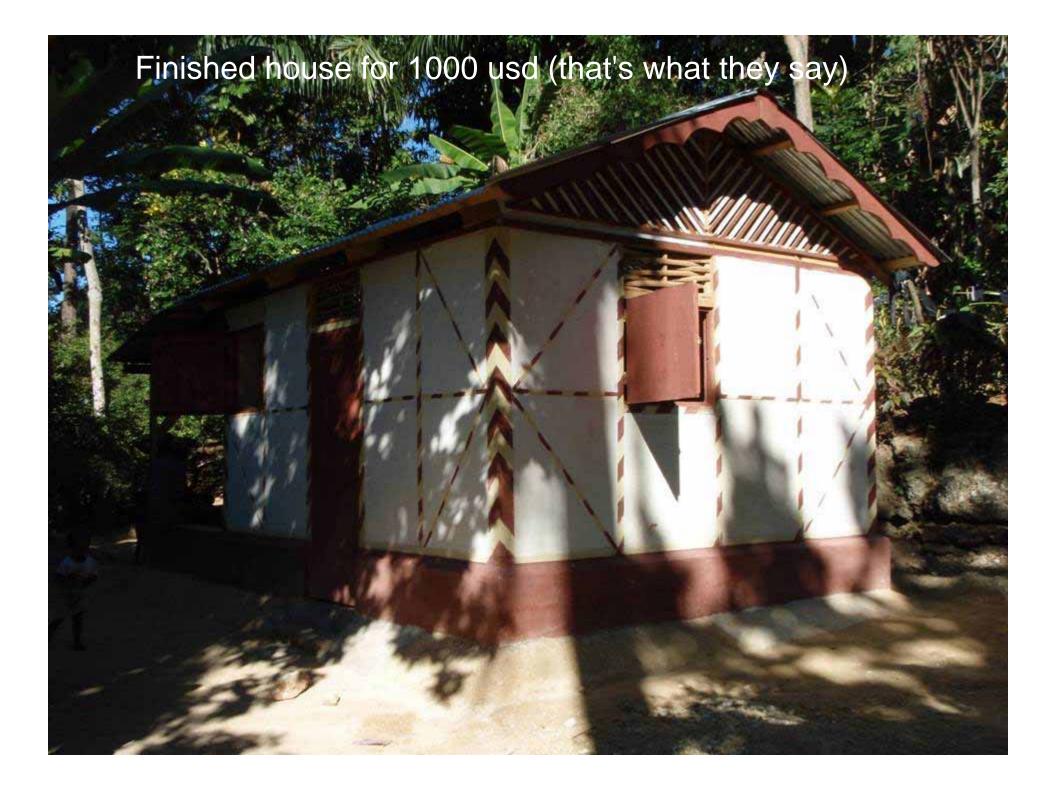
























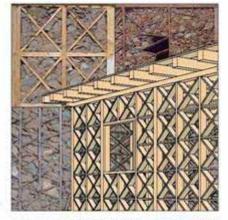
Pombalino reconstruction of Lisbon in 1755



Traditional EQ-resistant dhajji construction in Kashmir

Dhajji reconstruction in Pakistan 2006





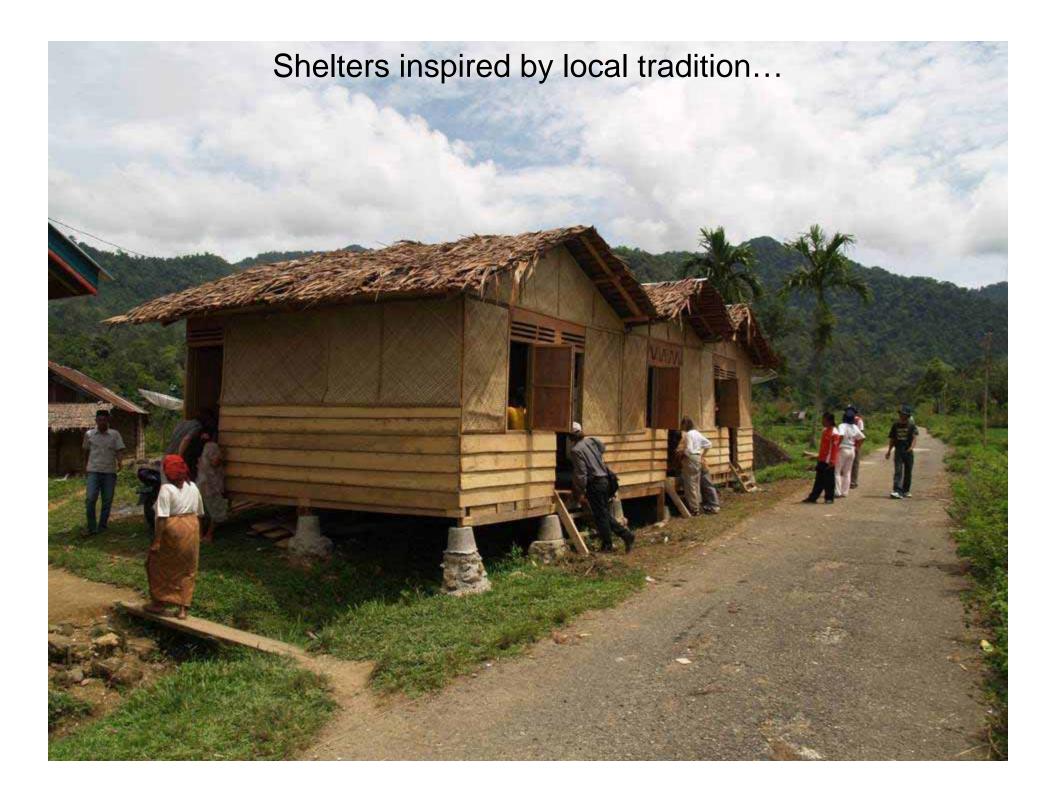
DHAJJI CONSTRUCTION For one and two storey earthquake resistant houses

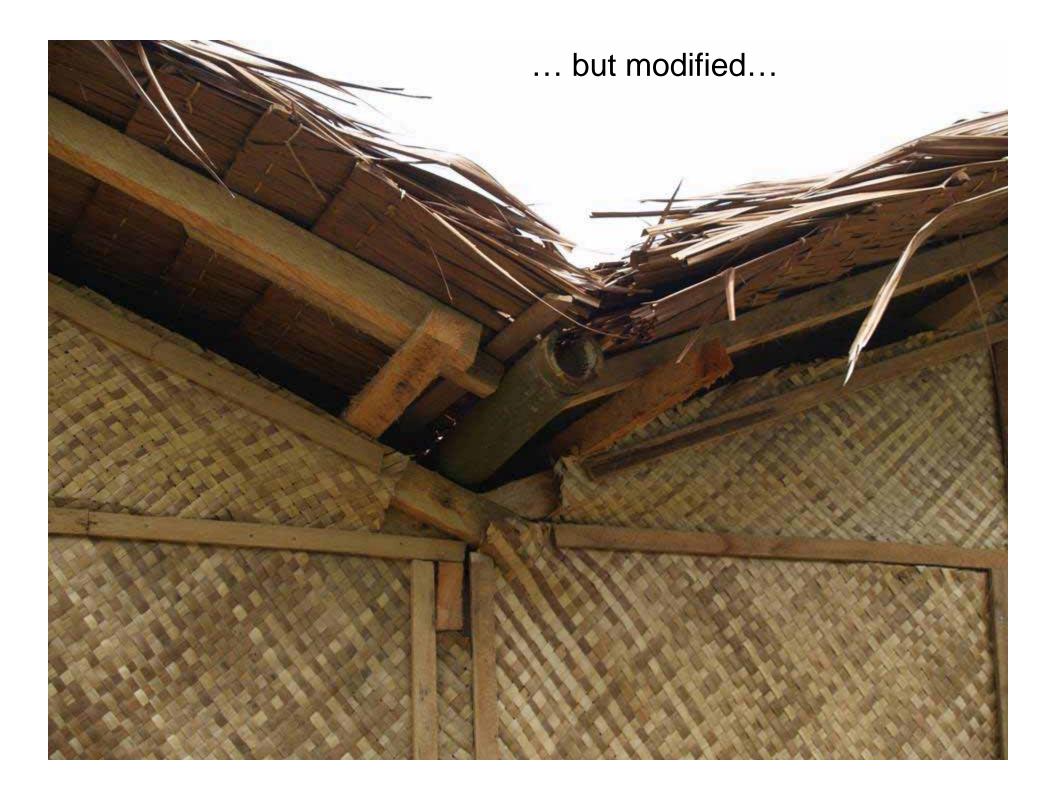
A guidebook for technicians and artisans

Pakistan manual has been used by various organisations in Haiti











Shelters don't have to be so stupid !

The end

Luckily Haitians have a good sense of colour !