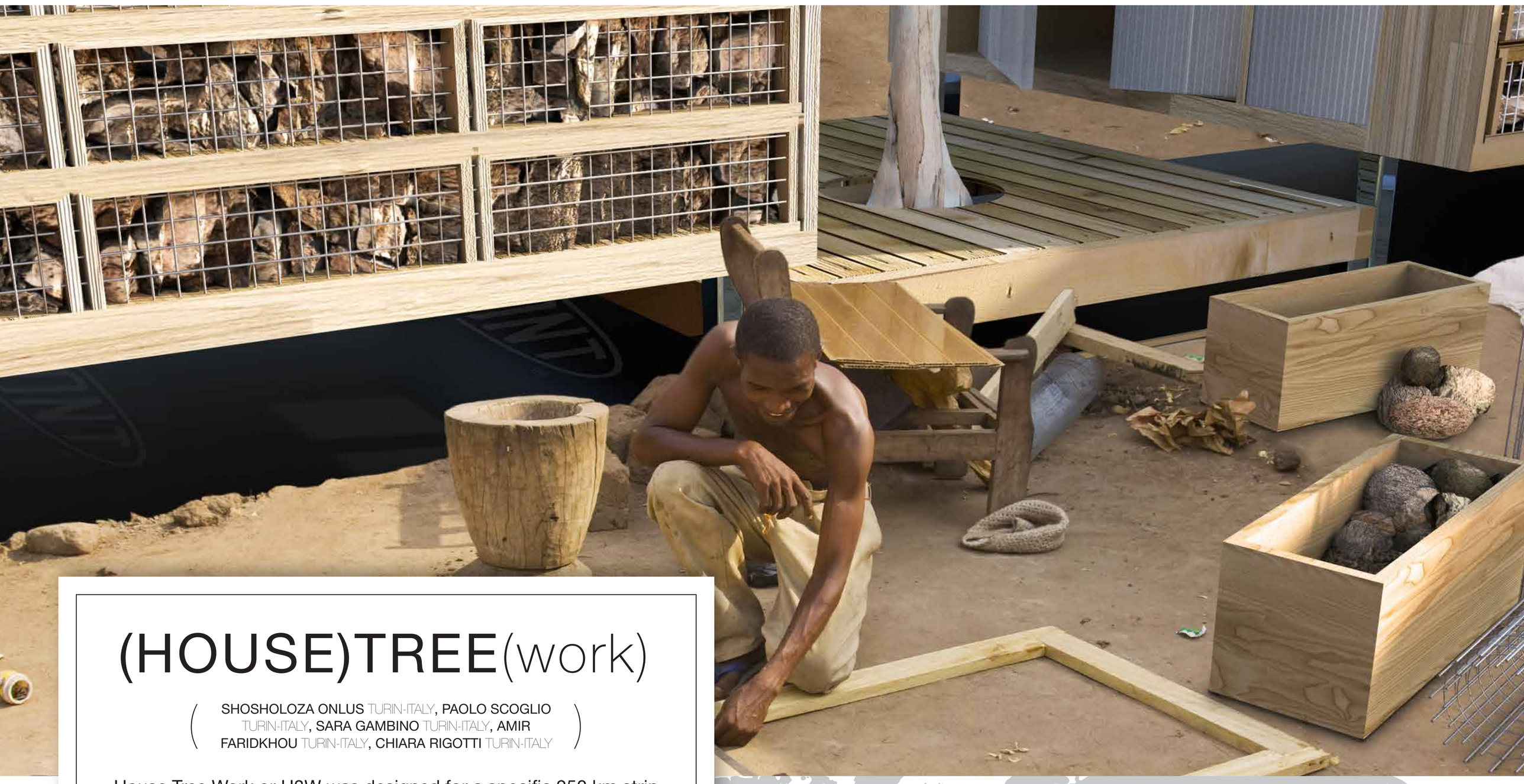
Food and Agriculture Organization of the United Nations



(HOUSE)TREE(work)

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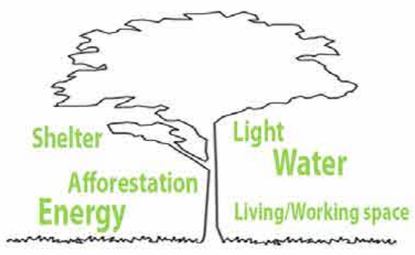
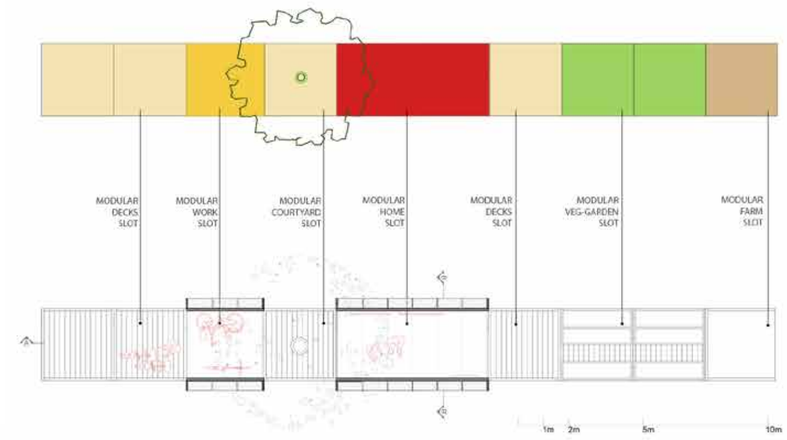
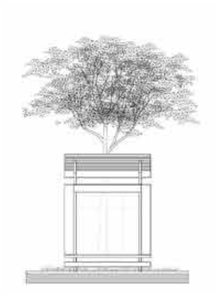
House Tree Work or H3W was designed for a specific 250 km strip of land that connects Alamata to Adigrat in the region of Tigray in northern Ethiopia. The people who live here reside in small houses that often consist of a single room in which large families eat together and sleep beside each other. Bathrooms, running water and electricity are uncommon. While children go to school, adults typically perform simple work such as bike repairs, phone maintenance and hairdressing.

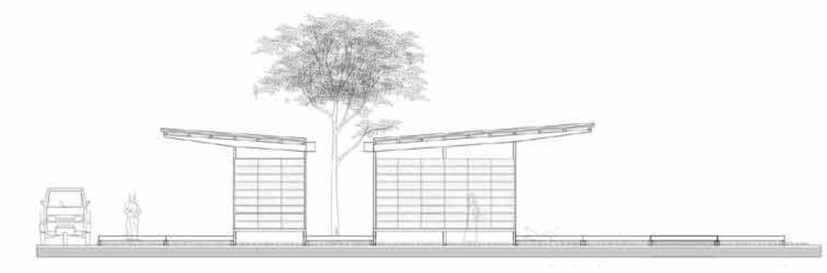
H3W was designed to provide the local population with shelter, water and light, as well as the opportunity to conveniently work and live together. Built beneath a symbolic and functional tree and based on a flexible and expandable modular design, H3W provides both a living and a working space while also producing electricity through solar panels and collecting rainwater from a sloping roof. Comprised of two blocks, the front block is located on the street and is intended for work, and the second block located behind the courtyard and the tree, is a basic modular home. A single modular unit can be expanded with additional units over time and space can be reserved to raise animals or to cultivate the land.

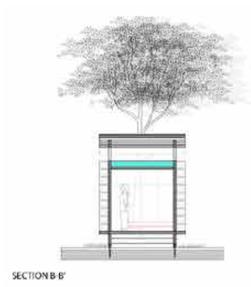


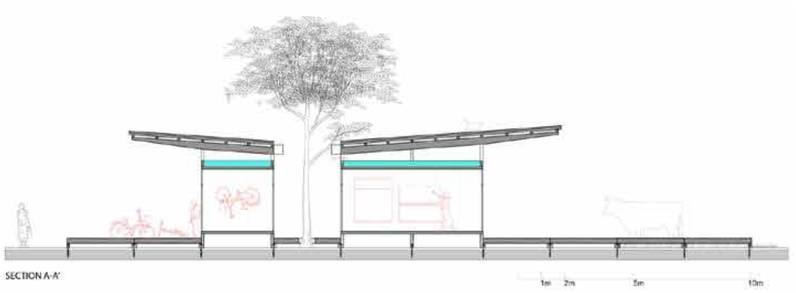
What we propose is to organize under a simbolic and usefull tree a simple building able to give an answer to the main request of the population.











A wooden and industrial prefab structure provides the internal frame and is finished with local materials. Each part of the building can be installed by two local people without special training.

Each block has a sloping roof for collecting rainwater and is equipped with solar panels. The water will be stored in industrial water tanks located in a space between the roof and the ceiling to rely on the force of gravity rather than a complex and expensive pumping system.