

Advocate: Moving a School

Image



Location

Santa Paz, Phillipines

Important Person, Place, or Thing

School

Hazard

Landslide from flooding

Systems

People
Social
Structure
Livelihood

What is the adaptation and how does it address the hazard?

The adaptation is to move the school. Since the school was moved (2 km) away from the school, it was no longer at risk from a landslide.

Step 1

We learned about the danger by asking around and reading official reports.

Step 2

We asked for help from a teacher.

Step 3

We started campaigns to inform the community of the danger.
We wrote letters and campaigned in the community.

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Advocate: Repair a Bridge

Image



Location

Moyamba Township, Sierra Leone

Important Person, Place, or Thing

Bridge

Hazard

Flooding

Systems

Structure

What is the adaptation and how does it address the hazard?

The adaptation is to repair the bridge. Repairing the bridge made it safer to cross and protected it from flooding.

Step 1

We noticed that the bridge we crossed each day to go to school was unsafe.

Step 2

We used radio broadcasts to bring awareness to the problem.

Step 3

We then started a petition to get the bridge fixed.

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Boat

Image



Location

Nepal

Important Person, Place, or Thing

Community Members

Hazard

Flooding

Systems

People
Structure

What is the adaptation and how does it address the hazard?

The adaptation is: Boat. Boats can be used to evacuate and rescue people when there is a flood.

Step 1

We created a youth club.

Step 2

It has also raised a little money from each household and manufactured boats.

Step 3

We used the boats in evacuating the 41 households and individuals during flood.

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Clearing Drains

Image

Location

Bangladesh

Important Person, Place, or Thing

Street

Hazard

Flooding

Systems

People
Social

What is the adaptation and how does it address the hazard?

Adaptation: Clearing Drains. If drains are clogged, the water can't go anywhere when there is heavy rainfall. By clearing the drains, the water will be able to drain more easily.

Step 1

We found that the drains are not covered and people throw their home waste and garbage into them, which clogs them and causes water logging.

Step 2

We arranged a garbage basket for every house through local resources and made people aware about them so that they can use it. People became more aware and keep garbage in the basket.

Step 3

We also arranged several dialogues between government authorities and our community people so they now clean the drain regularly.

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Community Gardens

Image



Location

Niger

Important Person, Place, or Thing

Food

Hazard

Drought / Long Dry Season

Systems

People
Structure
Nature
Livelihood

What is the adaptation and how does it address the hazard?

Building a community garden is the adaptation. The community gardens provide food and income during the long dry season.

Step 1

We formed a group in our school, involving teachers and school administrators.

Step 2

We identified an area to grow the garden and selected vegetables and plants that were heat tolerant and did not need much water.

Step 3

We raised money to buy seeds and soil and grew our vegetables and plants.

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Diversifying Crops

Image



Location

Vietnam

Important Person, Place, or Thing

Agriculture / Food

Hazard

Drought

Systems

People
Structure
Nature
Livelihood

What is the adaptation and how does it address the hazard?

Planting peanuts is the adaptation. This diversification meant having more than one crop, so people still have food and income during a drought. Peanuts need less water than rice.

Step 1

We asked the farmers what they planted in the last 3-5 years and asked if some crops were becoming less successful.

Step 2

We spoke to the local agricultural extension agency and identified heat tolerant crops that did not need much water.

Step 3

We discussed our findings with the farmers, who started using different crops after more research.

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Floating Gardens

Image

Location

Bangladesh

Important Person, Place, or Thing

Gardens / Agriculture

Hazard

Flooding

Systems

People
Structure
Nature
Livelihood

What is the adaptation and how does it address the hazard?

The floating gardens are the adaptation. Floating gardens provide food and income and are able to deal with floods as they allow crops to rise up.

Step 1

We collected water hyacinth and created a floating raft. We overlayed the raft with bamboo poles. We collected additional water hyacinth and placed it on the bamboo layer.

Step 2

Once the raft's basic structure was created, we pulled out the bamboo poles. After 7-10 days, we added more water hyacinth. We added soil, compose and cow dung to cover the base of the raft to a depth of about 25 cm.

Step 3

We selected vegetables and plants that can generate food and income. We experimented with varieties that can be grown on a raft, such as morning glory and other vegetables. We grew the crops on the rafts.

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Heat Action Plan

Image



Location

Ahmedabad, India

Important Person, Place, or Thing

Community Members

Hazard

Heatwave, extreme heat

Systems

People
Social

What is the adaptation and how does it address the hazard?

The adaptation is a heat action plan. This prevents the most vulnerable people in the community from getting hurt by very hot days.

Step 1

We worked with local agencies to understand and map forecasts of high heat. This helped us know which areas of the community, and who in the community is most vulnerable.

Step 2

We created a heat action plan to alert community members to take 4 key actions:

1. Hydrate
2. Help others (elderly, children, handicapped, pets/animals)
3. Seek shelter out of the sun
4. Minimize activity (rest, take breaks).

Step 3

We set up a community system to monitor and communicate warnings. We organised information campaigns including flash mobs to advertise the plan.

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Information Campaigns

Image



Location

Vietnam

Important Person, Place, or Thing

Community Members

Hazard

Flooding

Systems

People
Social

What is the adaptation and how does it address the hazard?

Adaptation: Information Campaigns. Information campaigns can help people understand about the risks.

Step 1

We attended training sessions about disaster risk reduction and climate change adaptation.

Step 2

Our community created an action plan.

Step 3

We organised awareness raising campaigns on disaster reduction at school and in the community through drama performance, quiz contests and community marches.

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Advocate: Learn to Swim

Image



Location

Bangladesh

Important Person, Place, or Thing

Children

Hazard

Flood

Systems

People
Social

What is the adaptation and how does it address the hazard?

The adaptation is learning to swim. In Bangladesh around 17,000 children drown each year, mostly in rivers, urban ponds or holes that get filled with flood water. Learning how to swim can save lives.

Step 1

We asked our teachers to get in touch with a national NGO that teaches children how to swim.

Step 2

The organisation found suitable ponds in our village and installed 12.5m wide bamboo frames in which we have our lessons.

Step 3

It takes around 2 weeks to learn the 21 steps of swimming including getting into the water, floating and treading water.

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Prevent Dengue Fever

Image



Location

Costa Rica

Important Person, Place, or Thing

Community Members

Hazard

Dengue Fever

Systems

People
Social

What is the adaptation and how does it address the hazard?

The adaptation is: Community clean-up. Clearing up breeding grounds reduces the number of mosquitoes that can transmit dengue.

Step 1

We did research and identified that a lack of garbage removal was our biggest problems contributing to dengue.

Step 2

We created a youth group and organised a communications campaign about the importance of recycling and properly disposing of garbage.

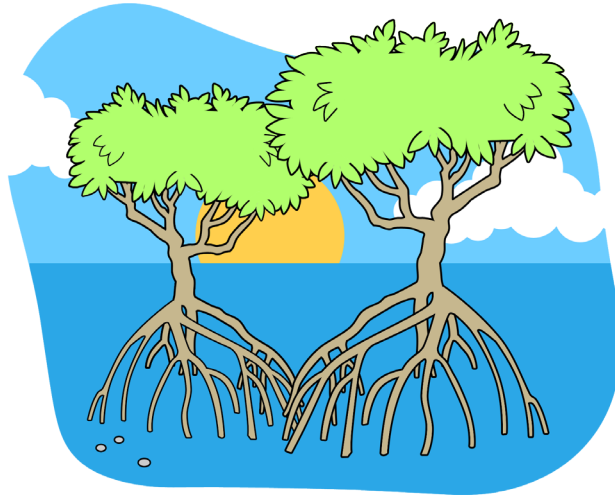
Step 3

We helped clean up garbage, establish recycling points and collected recyclable materials and sold them in a larger nearby community.

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Protecting Mangroves

Image



Location

Teguis, Philippines

Important Person, Place, or Thing

Mangroves

Hazard

Coastal Erosion & Flooding

Systems

People
Social
Structure
Nature

What is the adaptation and how does it address the hazard?

The adaptation is protecting and planting mangroves. Planting and protecting mangroves reduces coastal erosion and coastal flooding.

Step 1

We learned which kind of mangroves would be good in our community and we educated our community through local media and community meetings.

Step 2

Our community bought seedlings and we helped plant the mangroves.

Step 3

We followed up each restoration campaign by replanting to maximise the growth of seedlings during this rainy season.

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Slow Drip Irrigation of Garden

Image

Location

Indonesia

Important Person, Place, or Thing

School Garden

Hazard

Drought

Systems

Structure
Livelihood

What is the adaptation and how does it address the hazard?

The adaptation is: Plastic Bottle Slow Drip Irrigation System .Using a plastic bottle slow drip irrigation system uses less water and help to grow the garden during times of drought.

Step 1

We got several 1 to 2 litre plastic soda bottles that still had the caps on them. Using a heat a nail or needle we made small holes in the top of the cap.

Step 2

We cut the bottom off the bottle and then buried the bottle upside down. We buried it close to plants so the roots could get the water.

Step 3

We then filled the bottle with water and put the bottom back on the bottle upside down so that dirt would not clog the holes.

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Slow Drip Irrigation of Trees

Image



Location

Nusa Tenggara Timur, Indonesia

Important Person, Place, or Thing

Trees

Hazard

Dry Season / Drought

Systems

Structure
Livelihood

What is the adaptation and how does it address the hazard?

The adaptation is a slow drip irrigation using bamboo. Using a bamboo slow drip irrigation system uses less water and help to water the trees during times of drought.

Step 1

We got different sized pieces of bamboo and cut one end off so that they could hold water. We then drilled small holes in a line down the side. Finally we wrapped it tightly with green leaves.

Step 2

We then buried the bamboo so that only the open end was out of the dirt. We then filled it with water.

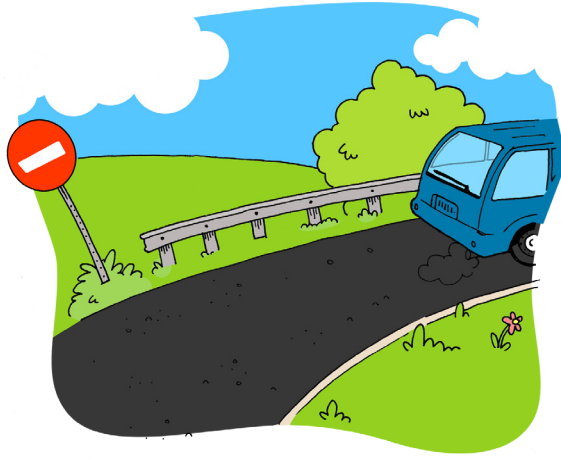
Step 3

The leaves make the water drip out very slowly. Our trees are growing and we are using less water and watering less often.

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Street Mapping

Image



Location

Maglalam, Philippines

Important Person, Place, or Thing

Community Members

Hazard

Flooding, Typhoons, Storm
Surges

Systems

People
Social

What is the adaptation and how does it address the hazard?

Adaptation: Open Street Map. Mapping streets helps to identify potential danger areas in times of flood, typhoon and storm surges.

Step 1

During a vulnerability / capacity assessment, we recognised the need for better local area maps, to create more accurate risk maps.

Step 2

Together with local authorities (who recognise importance), we were trained to learn how to use of openstreetmap and youth volunteers start a pilot of mapping.

Step 3

These maps are the basis of risk maps for the municipality, useful for decision making of risk reduction plans, land use plans, etc.

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