



## Goal

To propose an educational plan, starting in Kenscoff, that helps subsistence farmers in rural Haiti adopt soil conservation techniques to better prepare their crops from the effects of flooding.



Crops suffering from flooding and erosion

## Problem

Deforestation

Lack of resilient farming techniques

Climate

Extreme flooding

50%

Of crops on slopes are destroyed

36 Million

Tons of soil are eroded every year

20%

Of children under 5 are malnourished

## Sources and Acknowledgements

Many thanks to Dr. Senakpon Kokoye and Pierre-Yves Jousseau (UN) for spending time to answer our questions, as well as Professors Stoddard and Rosbach for their guidance.

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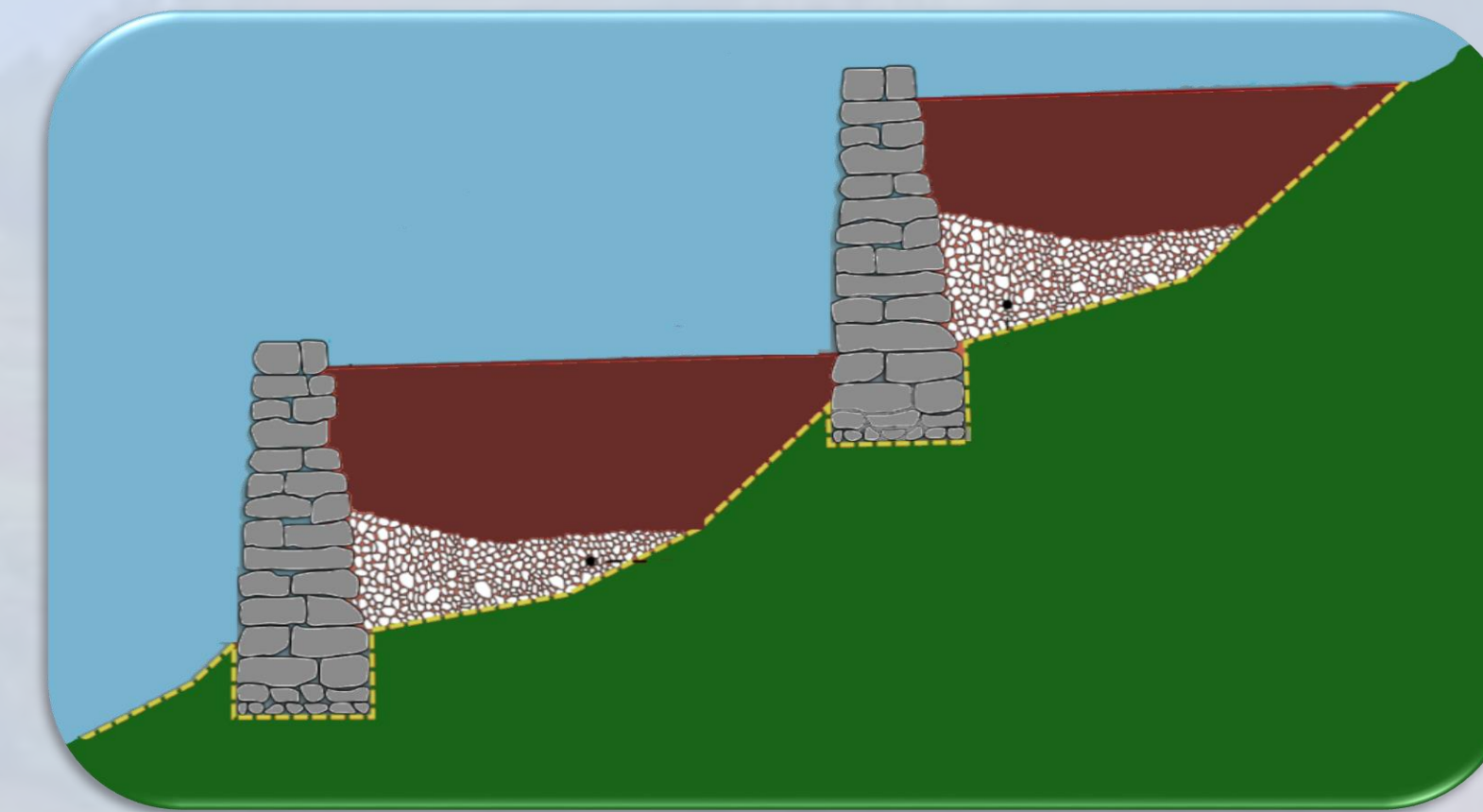
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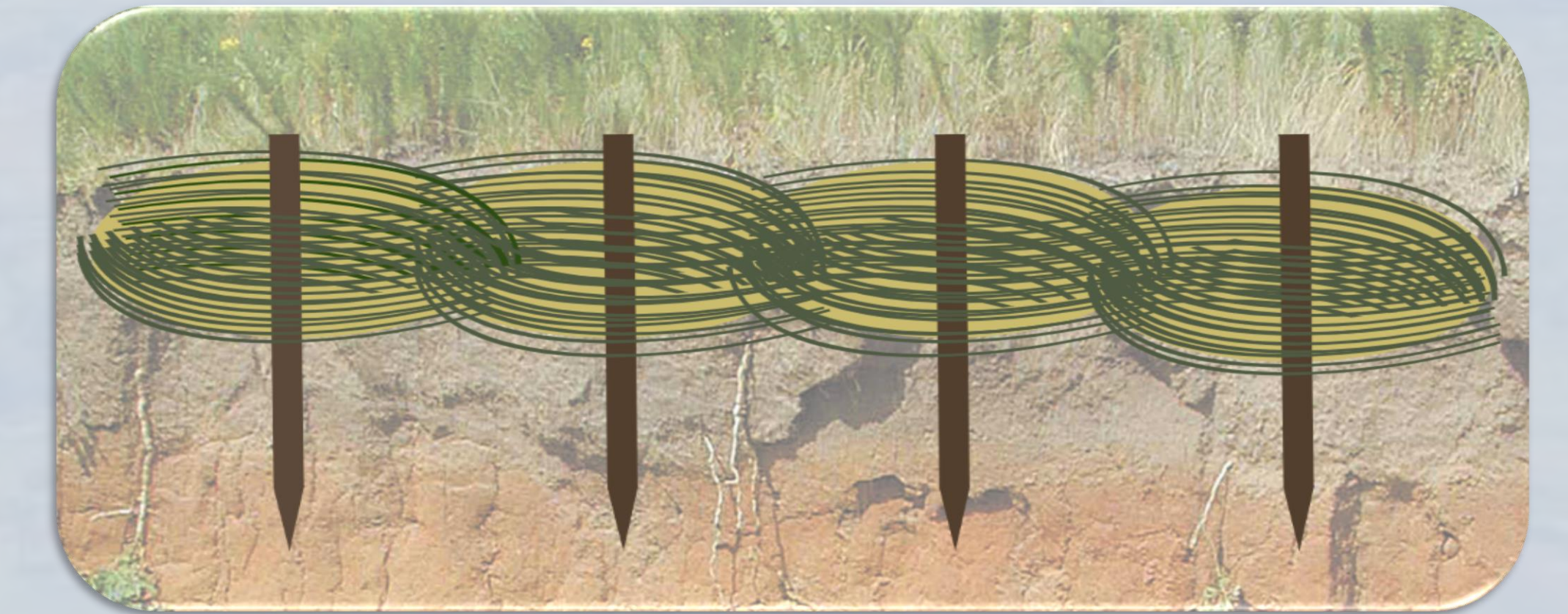
## Solutions

### Rock Wall Terracing



Cross section of hill with rock wall terracing

### Rampe de Pallie (Residue Barriers)



A front view of rampe above and below soil level used in the educational graphic handout

Rock wall terraces slow runoff, creating a flat portion of fertile land.

### Advantages

- Long lasting
- Low maintenance

### Limitations

- High cost
- High initial labor

Rampe uses crop residue such as corn stalks to create a barrier. This barrier slows water and adds nutrients into the soil.

### Advantages

- Low cost
- Adds nutrients in soil

### Limitations

- High maintenance
- Short lifetime

## Implementation through Education

1. Acquire funding for educational sessions and pamphlets



2. Educate farmers and their families on flood mitigation techniques

4. Enable farmers to better protect their crops from flooding

3. Distribute visual guides on rock wall and rampe implementation