



Vocational Education



Flood Plain Management
Robert Walle
ECHO

Background

This part of the watershed project was a finalist for the World Water Prize, Kyoto

Preparation

- Having reviewed the internet, that only gives me a limited view PLEASE ask questions.
- I will stick to Flood Plains. I see from the web there is much work on related topics.
- I will present a work in Nicaragua and will also ask you so together we can get more information.

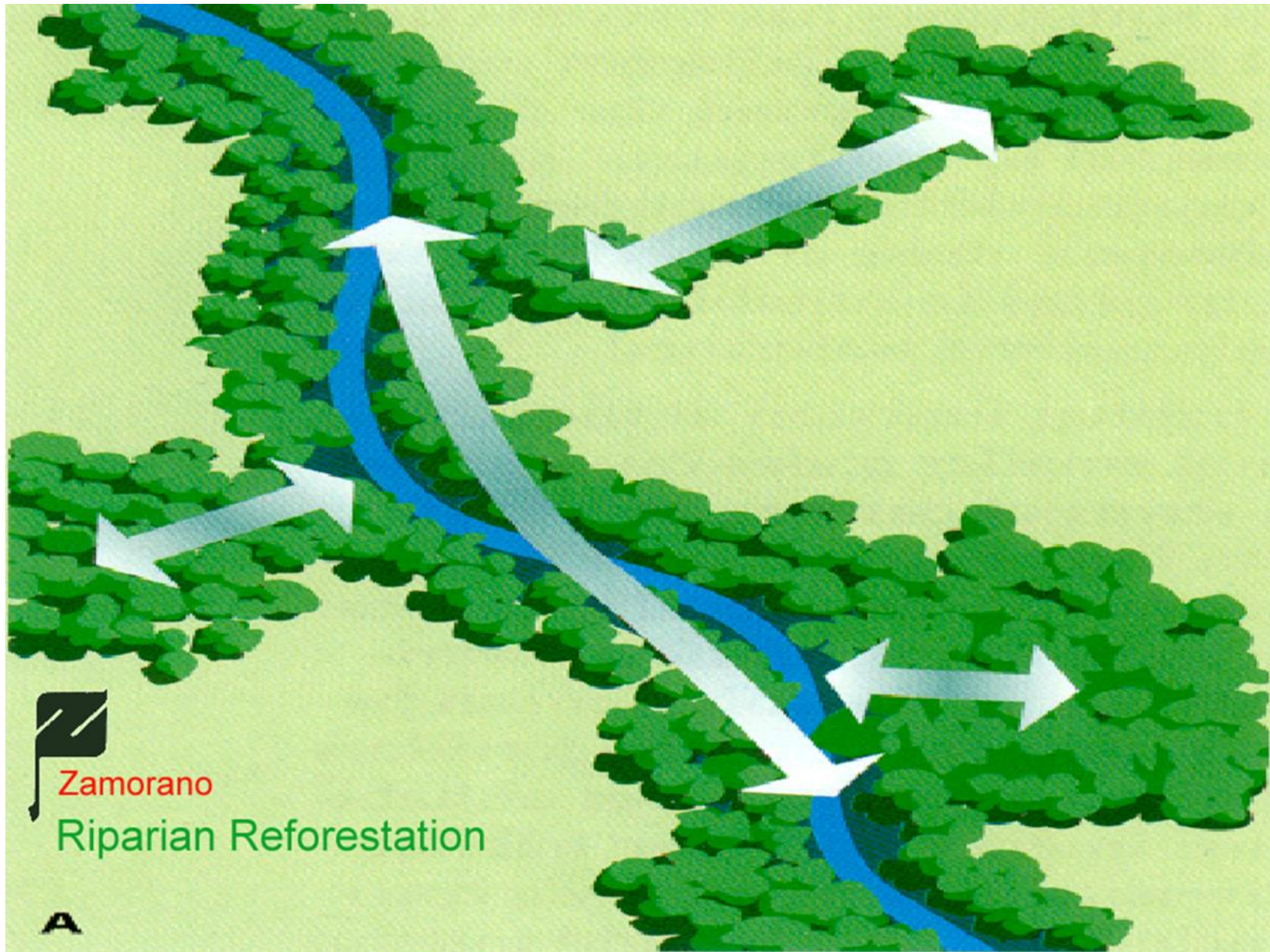
Approach

- I saw on the internet much on Agroforestry and Erosion in the higher-lands but not so much on actual floodplains.
- Terraces and other structures are commonly built on higher up lands
- Natural processes of sedimentation, guiding the river and the floodplain, is an alternative.

Approach

- I saw on the web, which means little, there is much agriculture with residual moisture.
- This will not interfere with that
- As the biological structures fill up or accumulate transported sediment...
- The structure grows and changes as a riverside or riparian forest grows and changes.





Zamorano

Riparian Reforestation

A



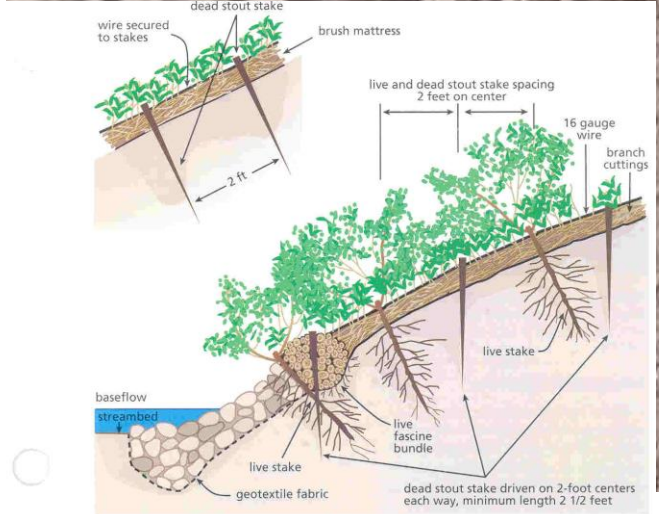


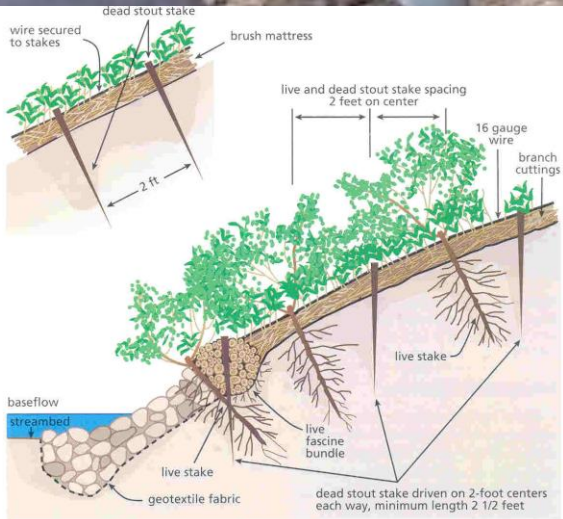
















We need to find a plant to replace willows

- Vegetatively propagated from cuttings
- Able to grow under harsh conditions
- Easy to get

Ficus Sycomorus

- Said to be tolerant to both flooding and drought
- You can propagate it by cuttings
- Will it tolerate excessive drainage?









SEED SYNDICATE
PERFECTED BY NATURE

Steps to take

- Find plant species for bioengineering
- Adapt to your local conditions
- Get some field examples
- Lets keep in contact
- rwalle@echonet.org