

Vinay Gupta @
ButteredSideDown.Co.Uk

Healing Haiti

global cooperation &
appropriate technology

Buttered Side Down

we solve your real problem

Talk Format

- **a few simple slides**
- **we'll move through them fairly fast**
- **ask questions / add information as we go - more interactive than usual**

Haiti in a Nutshell

- **Revolution in 1804**
- **Debt slavery to France & co**
- **Dirt poor (1/6 income of the Dominican Republic)**
- **About half had no water or sanitation**

The Earthquake

- 10m country, 1/3 in capitol
- Capitol is leveled, 1m homeless people
- Equivalent to losing London and having 6m UK homeless
- No money to rebuild

Strategic Problem

- **Can't put it back like it was**
- **Didn't work well anyway**
- **It's a *development challenge***
- **To “fix” this is politics too**
- **Can we articulate our goals?**

No, tents will not fix this

Kerala Model?

- **76 year life expectancy**
- **vs. Haiti's 61 years**
- **On 1/4 the avg. income**
- **So now we have a quandary**

Fixed Haiti?

- **>500K small farms (10m)**
- **2/3 are farmers**
- **Awful food security issues**
- **Fix this and you fix Haiti?**

Swadeshi

- **Haiti is typical of poverty**
- **Villages share an ecological niche: organic farmer**
- **Self-reliant villages can carry a lot of resilience**
- **Just means self-reliance**

How?

International Help

- **Know how & cash, not just cash**
- **Cuba has *incredible* farming**
- **India has toilets (Sulabh)**
- **Haiti itself has water filters (AMURT Haiti)**

Coordination?

- **How do we put the right know-how into play?**
- **Mass collaboration online**
- **STAR-TIDES.net etc.**
- **ICT as the backbone of sci/engineering cooperation**

Copy What Works

- **Plenty of point successes**
- **Collect, replicate, scale**
- **A global effort to pull together working solutions**
- **Towards an agreed goal:
*improving life in Haiti***

The Big Five

- **Stop smoking**
- **Filter drinking water**
- **Stoves (*vs. charcoal in Haiti*)**
- **Toilets**
- **Improved agriculture**

Cost per Item

- **Stop smoking: *free***
- **Filters: \$20 or less / house**
- **Stoves: \$20 or less / house**
- **Toilets: \$40 per house (>)**
- **Improved ag: \$100 per farm**

Immediate Relief

- **Chlorinate water** (*nasty but cheap and it works*)
- **Skip tents entirely, go to hexayurts / similar shelters**
- **Work on transitional infrastructures**

Engineers Without Borders / Practical Action Hexayurt



Intl Coop Example

- **Design is copyright- and patent-free, all online**
- **Many agencies are interested: .mil, .gov, .org**
- **Open source is a prototype for this new style collab**

International Rescue

- **100% mobile phones in 2020**
- **Airdrop cell towers**
- **Direct-data relief in day one**
- **Universal GPS coordination**
- ***Open source collaboration***

References

- <http://hexayurt.com>
- <http://star-tides.net>
- <http://crisiscamp.org> (LDN)
- <http://appropedia.org>
- [your site here!]

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