I-Dream
Inclusive Development Research Association for Mankind

Good Neighbors
Chad

Appropriate Technology Introduction

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Kevin Kyeong-il CHOI

What is Appropriate Technology ?

- ***E.F Schumacher (1911 – 1977)***
  Appropriate technology is the appropriate selection of a device or solution to a problem based on the individual needs of an area, or a population; which generally utilizes **simple** and **user friendly** products and or systems.



  - small-scale technology
  - people can manage it directly and on a local level
  - makes use of skills and technology that are available in a local community to supply basic human needs
  - the social and cultural dimension of innovation

Goals for Appropriate Technology

- Socially & culturally acceptable
  - Non-violent / Sustainable (no damage to the environment)
  - Create Job Opportunities
  - Renewable Sources of Energy
- Created locally
  - Use local skills
  - Use locally available materials
- Low Cost
  - Simple & Small-scale
  - so appropriate to the community
  - Repairable by users



Basic Needs for Appropriate Technology

Clean water



Safe and healthy food



Shelter



Energy services





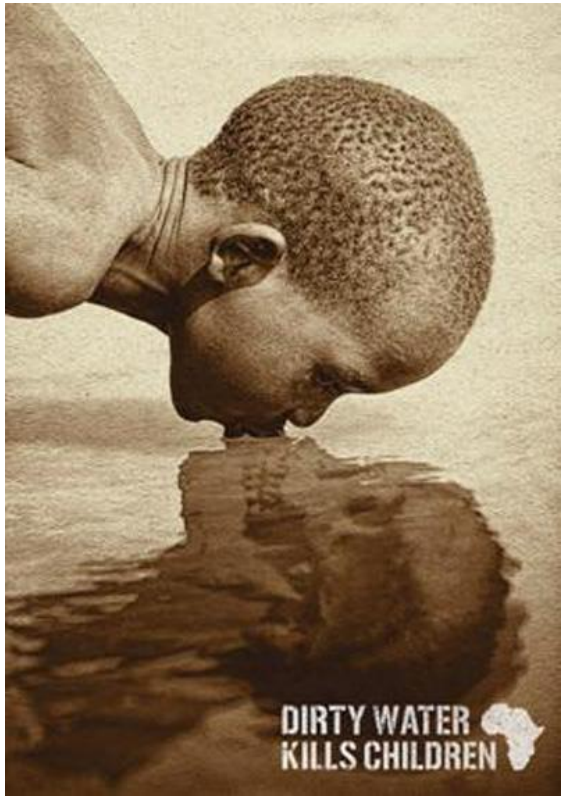




R01

Examples of Appropriate Technology

- Life Straw







Nam Seung Hoon
Grand Prize
11th Tri-annual International Political Poster Competition

Examples of Appropriate Technology

- Q-drum





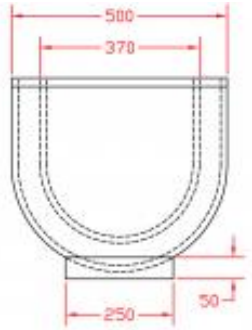


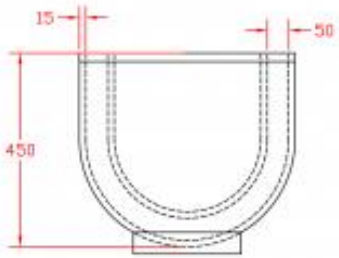
R03

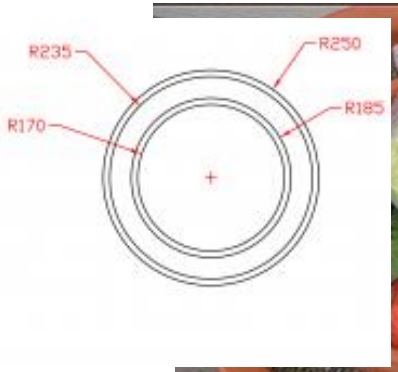
Examples of Appropriate Technology

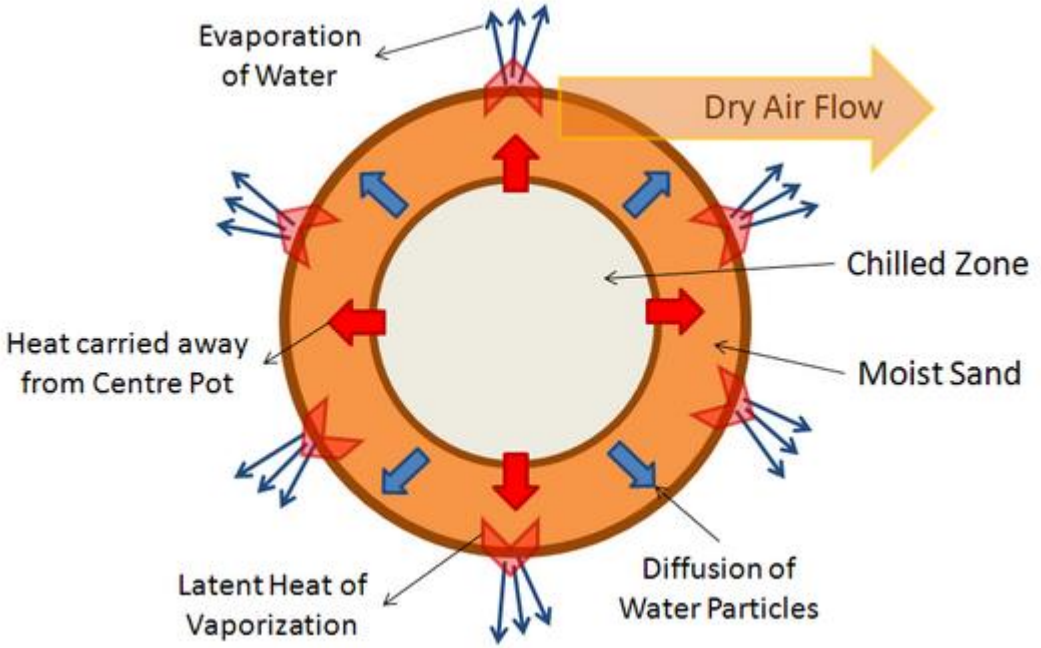
- Pot in pot refrigerator

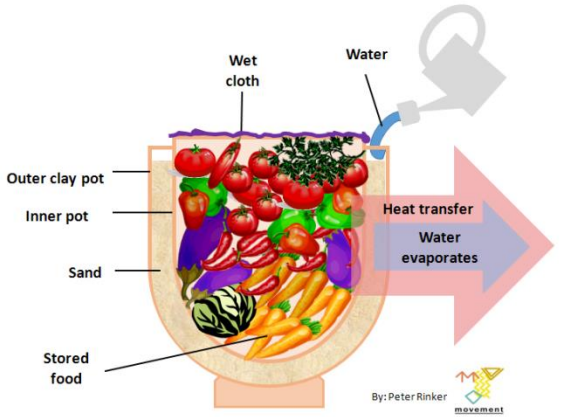












R04

R05

Examples of Appropriate Technology

- WADI™ – Solar powered UV-measurement device
  http://www.helioz.org



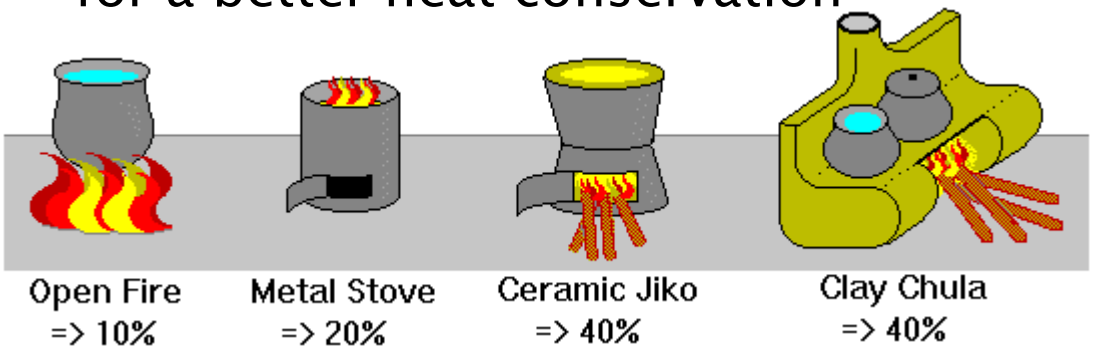




R06

Examples of Appropriate Technology

- Kenya Ceramic Jiko
  - for a better heat conservation





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- Kammen D.M. "The Kenya Ceramic Jiko." *The Kenya Ceramic Jiko*. HORIZON Solutions, n.d. Web. 27 Mar. 2014. <http://www.solutions-site.org/kids/stories/KScat2_sol60.htm>.
- "Kenyan Household Cookstove." *Relwa.org*. USAID Winrock International, Dec. 2011. Web. 25 Mar. 2014. <http://www.relwa.org/sites/default/files/Kenya-Stoves-Assessment-web.pdf>.

Example of Appropriate Technology

What Good Neighbors Chad has been doing?

- Dried Mango Project








R08

Example of Appropriate Technology

What Good Neighbors Chad has been doning?

- Charcoal Project





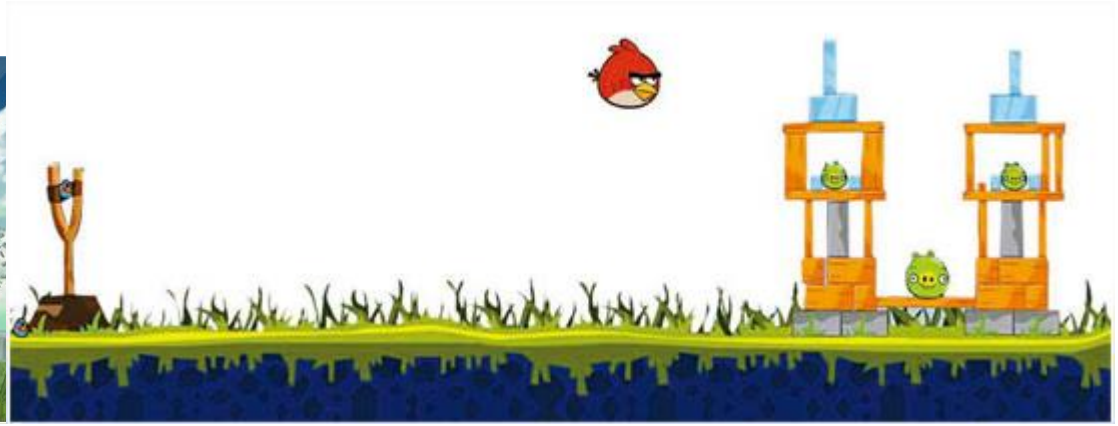



R08

Example of Appropriate Technology

- Mobile Phone Games
  - Example of Angry Bird by Rovio
    - 2009: 12 people in Finland x 9 months ➔ A game on Apple Store
    - 2011: Turnover 1 billion USD (579 Md CFA)
      Benefit of 67.6 Million USD (39 Md CFA)
      250 people working in the company





Example of Appropriate Technology

- Other Apps
  - Phone Banking – FlickPay, Gust Pay, SnapScan, Zapper, …
  - Health Care – Nurse Diagnosis, Distant Consultation & Exams
  - Call Taxi, Bus, Transport
  - ……
  - e.g. Sell Dry Mango on the Android Market Worldwide.
  - **Only your imagination is the limit !!!**
    C'est uniquement votre imagination qui vous bloque…

Thank you for your attention !!!

- Visit our web site:
  I-DREAM: http://www.idream4all.org



References

Ref.	Source Description
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R02	SY Chang, “Zeitgeist Appropriate Technology and STI case”, EKC2013, Brighton, UK
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R07	Internet Search: http://ces.iisc.ernet.in/energy/paper/tech101/jikostove.html
R08	Geun Sun PARK, “Why Appropriate Technology?”, EKC2013, Brighton, UK