

#OTS15 Berlin May 14 2015

stephen kovats

agency for open culture and critical transformation

@intertwilight

Open Culture & Open Tech in Post-Conflict Development

**#SouthSudan #PEACEHACK CAMP**

<http://openculture.agency>

# #OSJUBA

A photograph of a bridge spanning a river. The bridge has a complex steel truss structure and a vibrant, multi-colored mural painted on its side. The water of the river is visible in the foreground.

June 21 - 22, 2012 Berlin

Juba. The world's first Open Source City?

Thursday June 21, 2012 | KOW 19.00-21.00

*South Sudan and Open Source Culture*

Friday June 22, 2012 | SUPERMARKT Berlin 10.00-18.00

*Open Source and Post-Conflict Development  
Conference / Workshop*

## vision

# Open Sourcing a New Nation?

- promoting representation, knowledge sharing and dialogue
- enabling capacity building, training, education
- developing an identity beyond conflict
- strengthening role of women and youth in peace building

The Republic of South Sudan  
National Bureau of Statistics  
<http://ssnbs.org/>

Fast Facts

Total Population of South Sudan is 8.26 million

Total Area of South Sudan is 644,329 sq. km

More than half (51%) of the population is below the age of eighteen.

72% of the population is below the age of thirty

83% of the population is rural

27% of the adult population is literate

51% of the population live below the poverty line

78% of households depend on crop farming or animal husbandry as their primary source of livelihood

55% of the population has access to improved sources of drinking water

# South Sudan

## independence July 9, 2011

Khartoum and Juba push for last-minute de

by Mohamed Hilaly | 24.09.2012



KHARTOUM - The second UN deadline for negotiations between Sudan and South Sudan passed but the two parties pressed on with talks on Monday. →



challenge ....







Vision. Opportunity. Future.

**Creating Models of  
Open Development in South Sudan**

# empowerment - creating dialogue

## Nyandeng Malek Delic

Governor of Warrap State, the only female Governor in South Sudan is optimistic more women will have positions of power in South Sudan in the near future.



<http://www.theniles.org/articles/?id=1403>

### #OSWARRAP

... highlighting the effects of climate change on agriculture, saying its impact on agriculture and natural systems put a burden on achieving sustainable development. According to her, the linkages between climate change and many dimensions of equitable development and growth present both

a crisis that must be tackled  
and an opportunity that must be seized."

# **Open Development based on FOSS models**

**sharing: knowledge, information, experience**

**collaboration: working together, globally**

**sustainability: understanding + adapting local tradition**

open source for open societies

playful cleverness ...  
Richard M. Stallman

# **to create Open Systems Solutions ...**



**open input by all stakeholders and affected citizens, including outsiders with innovative ideas**

**participatory governance and decision-making for the final outcome**

**accumulated knowledge to be put in a knowledge commons for future use and remixing in other projects**



## Open Access to Knowledge and Quality Education

moting representation, knowledge sharing and dialogue  
bling capacity building, training, education  
veloping an identity beyond conflict  
ngthening role of women and youth in peace building

**connecting bottom up / grassroots movements  
to  
top-down policies**

**special guests**

**Duer Danier Galwak | SPLM Germany**

# Taking control of technology for independence

a liberation technologist totally committed to ensuring that Africa has the capacity to create and implement the ICT solutions its needs to drive sustainable human development.

## Dorothy K. Gordon



FREE SOFTWARE AND OPEN SOURCE  
FOUNDATION FOR AFRICA

# OpenOil



imagine an open oil industry

Open Knowledge Foundation



## Global Voices

### Threatened Voices

Tracking suppression of online free speech



Changing the way information flows in the world

sharism.org



FREE SOFTWARE AND OPEN SOURCE FOUNDATION FOR AFRICA

### kenya open data

The Enabling City  
Chiara Camponeschi



MAUJ Karachi  
Atteqa Malik



LabSurLab  
Colombia

unpaiddebt.org

## bricolabs



MindLab  
SeeClickFix  
shareable.net  
MySociety

icebauhaus

innovation collaboration entrepreneurship

iceaddis

icecairo

INVITATION  
PROTOTYPE:CULTURE

AFRICA RE:LOAD 2012

Kenya  
Tanzania  
South Africa

## Open Government Partnership



TACTICAL  
TECHNOLOGY  
COLLECTIVE

<http://www.tacticaltech.org/>

SOURCEFABRIC

Airtime

SOURCEFABRIC

Open radio software for  
scheduling and remote station management

[Free Download](#)

xm:lab



## eDemocracy Forum

# comprehensive methodologies, tools, materials, techniques

...



innovative operating system



DIY... DIWO (do it with others)



AT - Appropriate Technologies



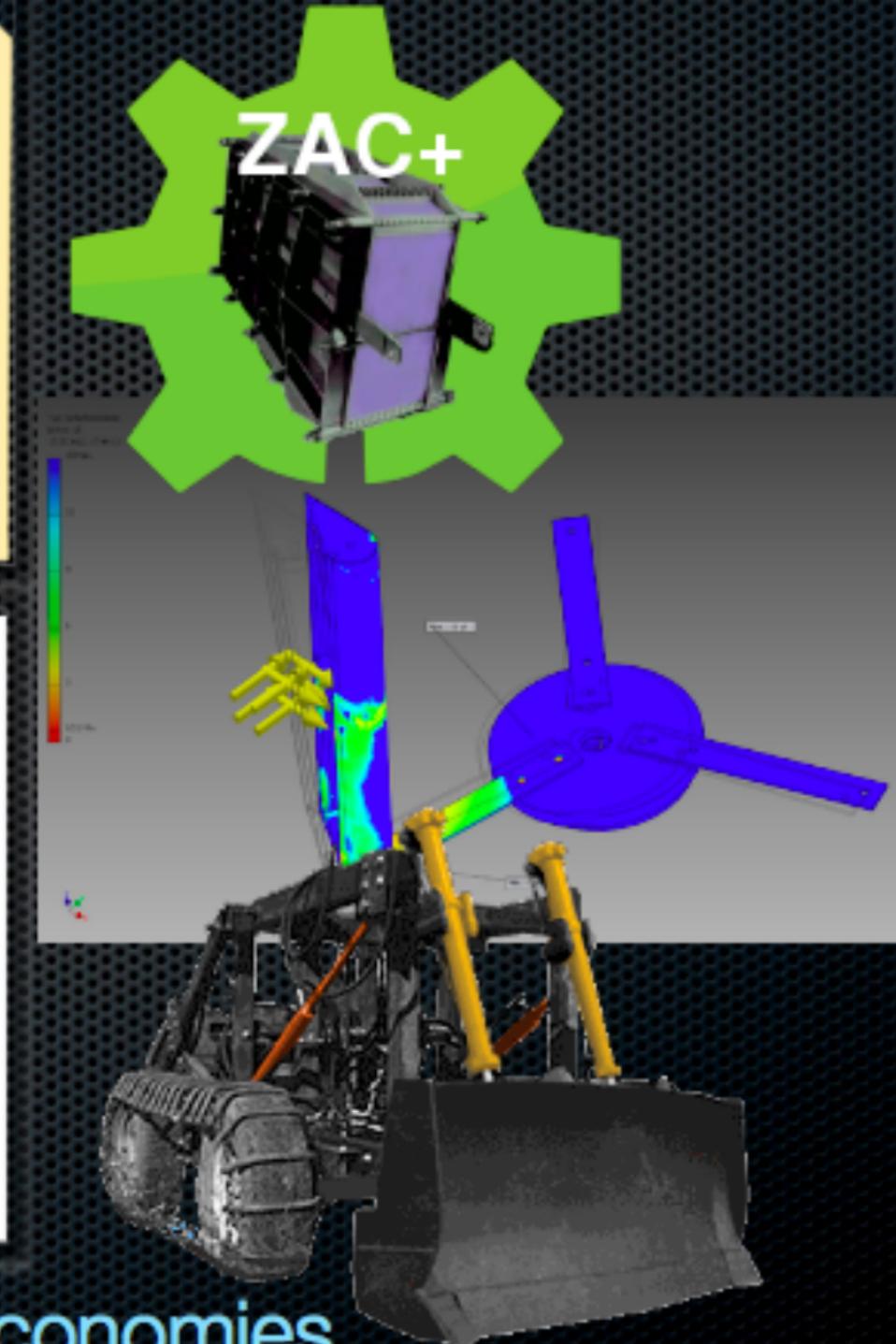
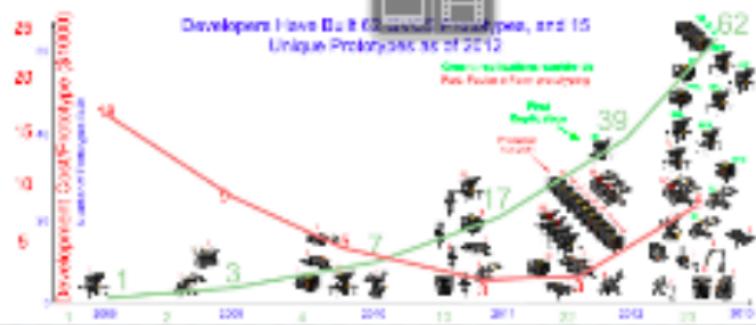
meta-recycling ... up-cycling

# open source ecology

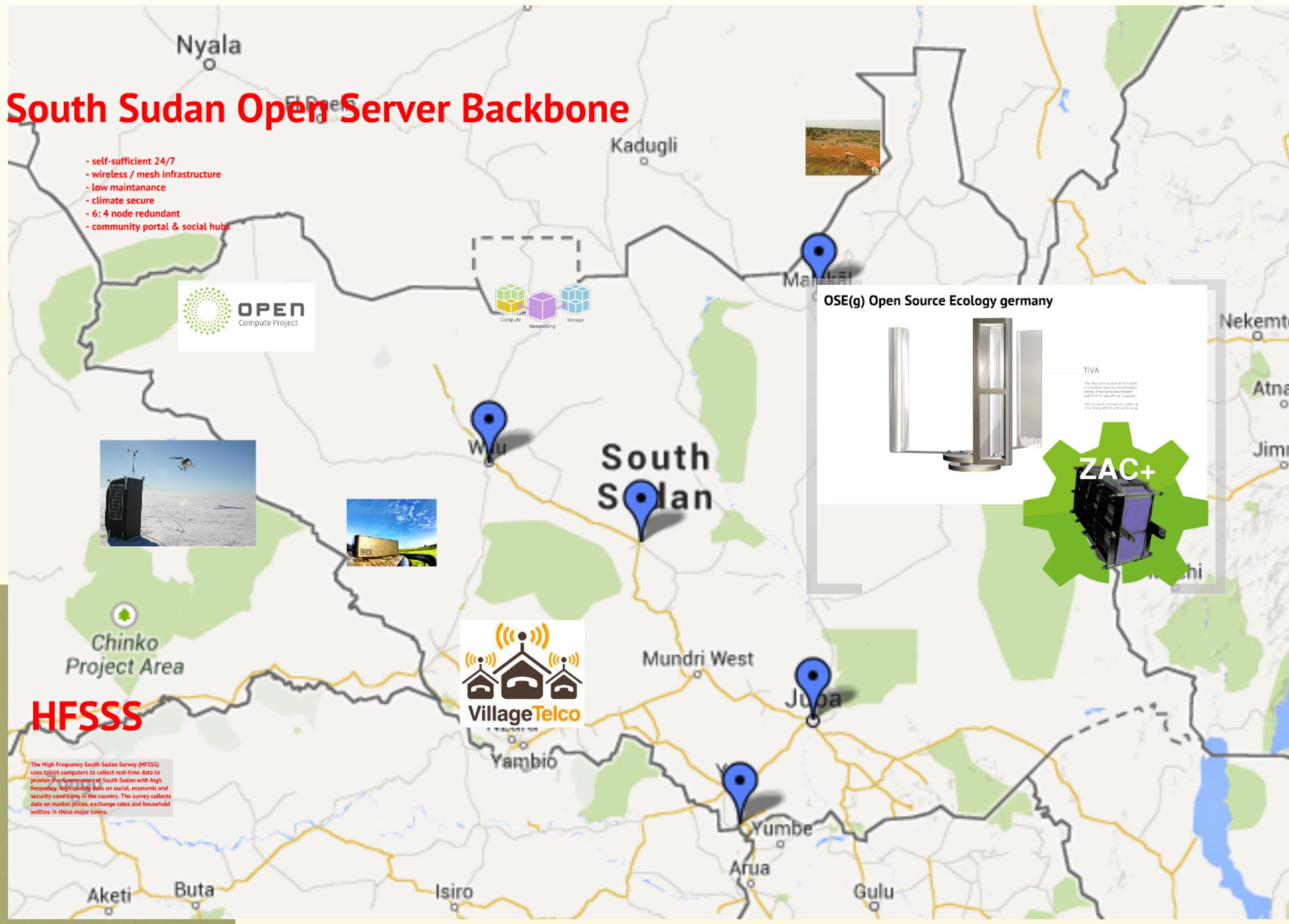
## Global Village Construction Set – 62 Prototypes Built to Date

Factor e Farm has been building Global Village Construction Set (GVCS) machines since 2008. That year, I announced the Global Village Construction Set concept for the first time in a [presentation at the U. Missouri, Columbia](#).

As of today, at least 62 prototypes have been built in 4 countries:



building & creating local economies



# OSE(g) Open Source Ecology germany



TiVA

The Tiny Vertical Axis Wind Turbine is a modular open source renewable energy prototyping and research platform for educational purposes.

This is a work in progress rendering of a TiVA platform with Lenz2 wings.



## South Sudan Open Server Backbone

- self-sufficient 24/7
- wireless
- low maintenance
- climate secure
- 6: 4 node redundant



# **Sauti ya wakulima**

## **"The voice of the farmers"**

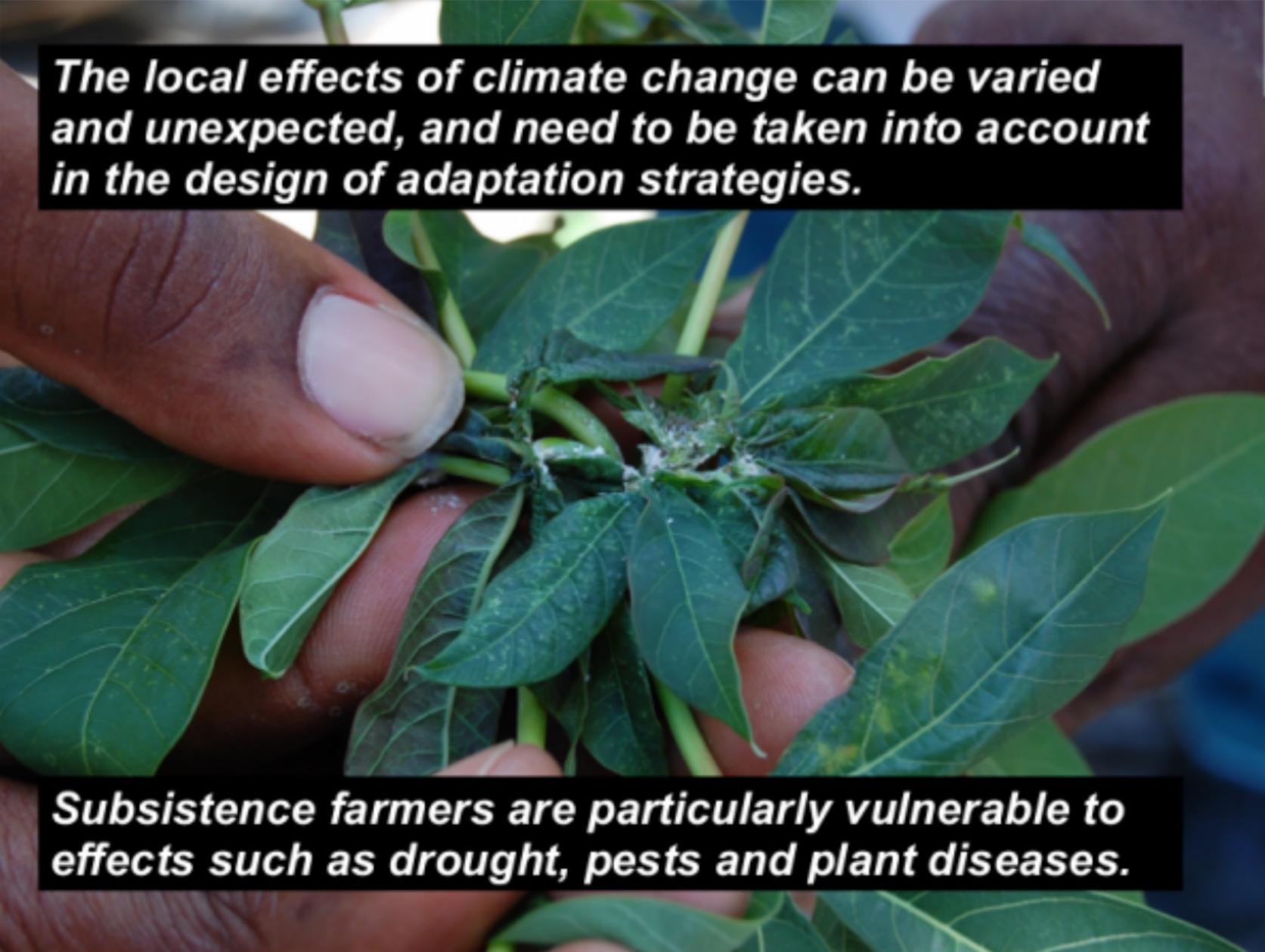


Mutual learning, observation and community memory: networked communication tools for farmers in Bagamoyo, Tanzania.

creating a  
**collaborative knowledge base**  
on the tangible effects of climate change



**ojovoz**



*The local effects of climate change can be varied and unexpected, and need to be taken into account in the design of adaptation strategies.*

*Subsistence farmers are particularly vulnerable to effects such as drought, pests and plant diseases.*

advertising amaranth cassava cannales cedula evidence interview knowledge maize manioc needs oil socializing sweet potato leaves





***Ten farmers share two smartphones to document the effects of climate change and publish their observations on the Internet.***



VillageTelco



**power?  
Do It Yourself ...**

# #FOSS Up-Cycling



metakesciciagem



## Dairy Milker

device which harvests milk automatically from milk-producing livestock.



# #PEACEHACK Camp



**if not ... invent it yourself!**

**remix, revise old with new South Sudanese  
knowledge (= innovation)**



Lagu Stephen Samuel  
medical student + film maker + kHUB initiator  
@Lagu\_Stephen      <http://kapitalmovie.net>



**peacebuilders  
(open tech) innovators  
international peers**

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