



# **APC members' activities related to ICT & Climate Change**



# Ongoing activities

- Research and implementation of renewable energy resources – Fantsuam Foundation (Nigeria), CEPES (Peru), Rits (Brazil)
- Harvest and irrigation management system – CEPES (Peru)
- ICT-enabled capacity building and knowledge sharing among local farmers – CEPES (Peru), Alin (Kenya)

*(all centered around local community-supported telecenters)*

# Ongoing activities cont.



- Development of training materials on building photovoltaic solar energy systems – APC & 9 project partners
- Research in the area of low-consumption HW – ComputerAid (UK)
- Urban gardening promotion project – Alternatives (Canada)

# Planned activities (near future)



- Strengthening regional sustainable economic development in Central America – Sula Batsú (Costa Rica)
- Using community radios for climate action – Protége QV (Cameroon)
- SMS-based data collection on environmental accidents and disasters – Alin (Kenya), BlueLink (Bulgaria – in collaboration with Ushahidi.org)



# Details on ongoing activities



# Research and implementation of renewable energy resources

## a) Fantsuam Foundation

*BayanLoco, a peri-urban slum of Kafanchan, Kaduna State, Nigeria*

Development of a self-sustainable local telecentre using alternative power sources (solar) and sophisticated power-backup system

Details <http://www.fantsuam.org/background.html>

[http://fantsuam.it46.se/S/solar\\_system](http://fantsuam.it46.se/S/solar_system)

# Research and implementation of renewable energy resources



## b) CEPES

*Communities of arid Huaral Valley, north of Lima, Peru*

- Development of a self-sustainable local telecentres using alternative power resources (solar & hydro)
- Development of training and information sharing system for local farmers
- Development of irrigation and harvest management system

Details: <http://www.huaral.org/>

# Research and implementation of renewable energy resources



## c) RITS

*2 communities on the banks of Rio Tapajós, Amazonia, Brazil*

Development of local telecentres and a wifi-connected boat-hospital services in isolated areas using alternative power resources (solar)

Details: <http://www.rits.org.br/projetos/index.cfm> (Project Amazônia Wi-Fi)



# Research and implementation of renewable energy resources

## d) Alin

*Several communities across rural Kenya*

- Development of local content assisting farmers to adapt to effects of climate change
- Plans for development of sms-based data collection system focusing on environmental issues

Details: <http://www.alin.or.ke>

# Training materials on building solar energy photovoltaic systems



Training materials developed as part of the TRICALCAR project (series of LAC regional workshops on building community wireless networks). Available in English and Spanish and published on [itrainonline.org](http://itrainonline.org)

TRICALCAR project:

<http://www.apc.org/en/projects/wireless/lac/wireless-lac-tricalcar>

Training materials in English:

<http://www.itrainonline.org/itrainonline/mmtk/wireless.shtml#Ene>

Training materials in Spanish:

[http://www.itrainonline.org/itrainonline/mmtk/wireless\\_es.shtml#](http://www.itrainonline.org/itrainonline/mmtk/wireless_es.shtml#)

# Rooftop Garden Project



## e) Alternatives

*Montreal, Canada*

- Development of a website on urban gardening

Details: <http://rooftopgardens.ca/>



# Activities planned for near future

# Strengthening regional sustainable economic dev.



a) Sula Batsú (in collaboration with Hivos)

*Guatemala, Honduras, El Salvador, Nicaragua and Costa Rica*

1. Empowering the organizations working in sustainable production and renewable energy
2. Positioning the voices of the most vulnerable populations so that their experiences and visions are incorporated
3. Developing markets for sustainable production
4. Positioning local initiatives for renewable energy

Details: <http://www.red-des.com/>

# Community Radios for Climate Action



## b) Protége QV

*Cameroon*

Detailed information will be made available soon

# SMS-Based Data Collection System on Environmental Issues



## c) BlueLink

*Bulgaria*

Planned development of a sms-based information system enabling users to report environmental accidents and disasters.

The system should be based on Ushahidi.org system (developed for violence reporting/mapping during Kenyan post-election outburst of violence)

No details available to date

Ushahidi project: <http://ushahidi.org>

# Questions?



Write to Karel Novotný <[karel@apc.org](mailto:karel@apc.org)>