PRACTITIONERS' DIALOGUE ON CLIMATE INVESTMENTS

PROTOTYPE – FACT SHEET

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TITLE:

Creating an enabling environment for solutions to adaptation and mitigation of climate change in Africa

Mission statement

– To increase the number of home grown technologies & solutions available for climate change mitigation and adaptation in Africa

– To increase the number of users of these technologies both at firm and household level

– To increase the General public awareness & acceptance of the impact of Climate Change to our Environment, Wellbeing & the future

Briefly describe your prototype idea

This prototype aims at improving the vibrancy and acceptance of the community in contributing to context specific solutions for climate change and its impact. This will ensure that communities are more aware of climate change and using available empirical data develop solutions that suit them (tailor made to their conditions including affordability and acceptability). Members of the community

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including farmers, households, students, professors, faculty and members of the community need to create and own local solutions that will help communities adapt and mitigate climate change by establishing start-ups that will provide these solutions as either commercial or social enterprises.

This prototype intends to engage students, members of the community and faculty in tertiary institutions (including secondary schools and technical and vocational institutions) as well as private sector players to challenge them to come up with innovative solutions to reduce emission of greenhouse gases (local or contextualized). It will incentivize students, professors, other members of the tertiary education community and the interested private sector players to think about innovative technologies that can be used at the local settings to assist households and firms adapt and mitigate climate change.

The innovative ideas will be nurtured and supported by ecosystem partners (who include incubators, innovation labs, development partners, private sector players, financial institutions and government) and will also be tested at the market, where the initiators of the ideas will own these start-ups (or otherwise). The whole concept will also be taken to secondary schools where young students and pupils will also be challenged to think about the problems associated with climate change and develop viable homegrown solutions for the same.

It will also involve a lot of sensitization and mobilization which may include idea competitions for groups, individuals and private sector firms.

Risk capital and grants (more info needed on who is availing the grants and risk capital) will be provided to enable development of the solutions.

The goal of this prototype is to trigger thinking across all academic disciplines and ensure that all viable technologies get to the market. It will also ensure that everyone who needs support to develop ideas obtains it.

Target group

Supply side: Professors, lecturers, teachers, students, researchers, private sector (businesses, manufacturers etc), other community members with good ideas on climate change mitigation and adaptation

Demand side: Industry, households and government facing pain-points

Potential partner(s) for implementation

Ministry of Environment and Natural Resources

Kenya Association of Manufacturers

Kenya Private Sector Association

Micro and Small Enterprises Authority

National Commission for Science Technology and Innovation

National Environment Trust Fund

IBM Nairobi

Youth & Producer Organizations such as dairy, coffee SACCOS

Development partners (UNEP, GIZ, DFID, SIDA, CIDA, FinAID)

East African Community (EAC)

East African Business Council (EABC)

NGOs, CSOs & CBOs

Banks & Financial Institutions

Key challenges and opportunities

Challenges:

- Changing the mindset of professors, researchers and students to develop the viable solutions or commercialize their research results
- Empirical data on problems to ensure that the solutions are spot on
- Incentivizing the actors to move with speed
- Boosting Private Sector interest and update
- Policy and regulatory environment (patenting etc.)
- Limited local innovations by the Vocational & Technical Colleges and institutes
- Low local manufacturing capacity of the technologies that may spring up
- Resources for roll – out
- Unfavorable terms of payment for credit & fund providers

Opportunities:

- Various international funders readily available
- Great need for cheap, reliable and easily available technologies for homes
- Robust & untapped Entrepreneurship skills amongst youths and SMEs
- Well-developed framework to support innovative technologies
- Climate change is a key global agenda

Next steps

- Getting inputs from practitioners and refining the prototype further
- Working with partner organizations to roll out this prototype with timelines
- Develop a concepts note

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S.No	Objectives	Activities	2016				2017			
			QI	QII	QIII	QIV	QI	QII	QIII	QIV
1	To increase the number of home grown technologies and solutions available for climate change mitigation and adaptation	• Employ the use of electronic and print media to sensitize students, faculty and communities on problems posed by dimate change and the need for solutions								
		• Sensitize secondary schools and universities about climate change mitigation and adaptation through national science congress forums and university and other relevant exhibitions								
		• Utilize the county forums to create awareness on climate change mitigation and adaptation together with the need for home grown solutions								
		• Organize and implement idea competitions on climate change mitigation and adaptation with partners								
		• Organize field visits to particular establishments or firms both within and outside Kenya with the view of understanding their technologies								
		• Revise and implement a framework for effective nurture and support of new solutions for climate change adaptation and mitigation								
		• Create a responsive timeline for each technology to update on progress and challenges as required resources are provided								
		• Develop a schedule for milestones to be achieved by each solution developer								
2	Increase the number of users of the technologies both at firm and household levels	• Create demand for technologies through awareness creation in the community to increase uptake of new technologies [This can mainly be done through entrepreneurship opportunities for capable and interested youth]								
3	To increase the General public awareness and acceptance of the impact of climate change to our environment, wellbeing and future	• Sensitize communities using proper channels on the effects of climate change and the need for mitigation and adaptation [using proper avenues]								