

Report

Policy Research Center
Research Project Accomplishment Report

Date: 2020/3/4

Project Leader: Title Name Alistair Munro

Research Project Title: 'Improving low cost methods for measuring air pollution in low income countries'.

Duration (yyyy/mm/dd): 2019/9/1 ~ 2020/3/31 1-year

Co-Investigator:	Title	Name	Affiliation	(Remarks)
Co-Investigator 1		Shifraw Baue	GRIPS	
Co-Investigator 2	Prof.	Bereket Kebede	UEA, U.K.	
Co-Investigator 3				
Co-Investigator 4				
Co-Investigator 5				

Project aims and goals:

The aim of the project was to explore the feasibility of using low-cost hand held devices to measure air quality in cities where there is poor quality data. The main problem is that many developing countries are urbanizing quickly, but are unable to measure air quality in multiple locations using traditional, high-quality high-cost means. The specific goal was to send a person (Degenet) to Addis Ababa to measure air quality using a low cost device and then build a map of air quality for the city.

Accomplishment (s) of Project (400 words):

The project is ongoing, but to-date the training of an Ethiopian citizen (Degenet) in air pollution monitoring techniques has been accomplished and he is currently in Ethiopia measuring air quality on a daily basis. He will return before the end of March. He has also met policy makers and other government officials in Addis Ababa to discuss our approach. Analysis and presentation of the results will continue in the next FY, but I have considerable interest in the research. Once the data is analysed, we will have the teach-in at GRIPS. At the moment though, this looks like a good approach to improving the attainment of the SDG goals, particularly 11 (sustainable cities) and 3 (improving health).

Accomplishments:

Please fill in [the list of Accomplishment]

Other things to report:

I confirm that the C.I. Shifraw Baue Degenet <phd16101@grips.ac.jp> will be joint author on all the papers from this project.

(Please include all items within one page.)

List of Accomplishment

List of Accomplishment
(including forthcoming)

(If the description exceeds five in each item, please add a line as necessary.)

Article

Academic papers (including those published in general journals)

*For collaboratively authored papers, please underline your name.

*Please report "Peer-reviewed academic conference papers" as well.

Author	<small>0 in total</small> Title	<small>The number of referred article</small> Publisher	<small>0</small> Vol/No /Chapt er/Sect ion	<small>0</small> Date of Publications	<small>0</small> Pages (from)	<small>0</small> Pages (to)	<small>0</small> Referee Report (yes=1)	<small>0</small> Internatio nal coauthors hip (yes=1)	<small>0</small> DOI	<small>0</small> Open Access (yes=1)
1						-				
2						-				
3						-				
4						-				
5						-				

Book

*For collaboratively edited or authored books, please underline your name.

*If you are an author of a chapter in a book, please report in "Article" category.

Author	<small>0 in total</small> Title	Publisher	Date of Publications	Total pages
1				
2				
3				
4				
5				

Verbal report / Conference presentation

*Here please report "Non-peer-reviewed academic conference papers".

*When you or co-invetsigetor had a lecture/presentation as invitees, please specify "(invited lecture)" after Event Title.

Presenter	<small>1 in total</small> Title	Event Title	Venue	Date
1	Shifraw Baue Degenet	Using low-cost devices to build air pollution maps.	GRIPS PA Workshop	tbc
2				
3				
4				
5				