**SSRP project templates**

**Title:** Towards prediction of food security crisis and effective responses

**Theme:** Early warning systems, food security. Estimating effects of drought on food security in Kenya and Ethiopia.

**SDG’s:** 2. Zero hunger, 3. Good wealth and wellbeing, 1. No poverty,

**PI and Co PI details:**

*PI:* Martin Todd (Global Studies, Geography)

*Co –Investigators:* Annemie Maertens (Economics, BMEc), Lars Otto Naess (IDS), Pedram Rowhani (Global Studies, Geography), Dominic Kniveton (Global Studies, Geography)

**Project team**: National Drought Monitoring Agency (NDMA) in Kenya, besides PI and Co-PI Monika Novackova

**Where are you working:** Kenya, Ethiopia

**Project summary in 140 characters:** Estimating of effects of droughts on food security and improving of early warning system in Kenya and Ethiopia.

**Overview of project:** The project is focused on estimating effects of drought on food security in Kenya and Ethiopia.

In 2-3 sentences, provide a brief overview of the project, an explanation of how it aligns with SSRP, and why the research question needs to be addressed and why it is important to the field. Please write for a non-expert but informed audience

**Project description:** Extreme weather events such as droughts and floods have had disastrous consequences on food production and security. Frequency and severity of droughts and floods have increased in Sub-Saharan Africa during past decades. The aim of our project is to improve understanding of mechanisms of effects of these high impact events on food security and to improve existing early warning systems in Kenya and Ethiopia. The outputs of our project will contribute to timely identification of the most vulnerable areas, communities and individuals. This will lead to improvement of distribution of humanitarian aid, which is necessary for preventing or alleviating catastrophic consequences of extreme weather events on peoples live, health and well-being.

weather disasters such as droughts and floods have been increasing in Sub-Saharan Africa. Their consequences on food production and security have been disastrous, in particular are among the most serious causes have caused damage to regional crop production s are among the The project will improve understanding of mechanisms of effects of droughts on is developing of prediction models

Results of impact based forecasting should help to facilitate timely response to drought

In 250 words describe the "who, what, and when" - i.e. what tasks will be undertaken, who will lead those tasks, and when the work will be accomplished. You can talk about approach/methodology (resources, collaborators, target populations, preliminary data etc) and expected impact/outcomes (e.g. scientific, societal, health, economic). Please write for a non-expert but informed audience

**Timeline and funding:** April 2017-September 2018

When the project began, duration and amount of funding

**Photos:** Please provide photos to illustrate your project. If you do not have photos you have taken yourself, then please provide photos from the internet or elsewhere that well illustrate the subjects of your project.

**Products**: Any articles, papers, news stories or events associate with the project

**Presentations:** Any presentations on the project you would like to share

**Any useful websites or links:** Links to partners or other interesting sites

**Podcast:** Please record podcast with current update of the project