***Work Package Template***

*A work package consists of tasks.*

*A task, 'Task X' in a work package consists of 5 components (C1­C5):*

*[C1] INPUT for Task X in a work package ­ What are the deliverable needs for Task X as INPUT?*

*[C2] Task DESCRIPTION ­ What do we perform in Task X?*

*[C3] DELIVERABLE of Task X ­ What is the product of Task X?*

*[C4] DELIVERABLE of the Task X is used as INPUT for e.g. Task Y,Z,...*

*[C5] Estimated DURATION/WORKLOAD of Task X in person months ­ Please insert your*

*assumption, a buffer will be added for security reasons (This information is not used explicitly in the 15 pager proposal ­ just for overall checks for project duration before submission.)*

**WP ICT4D**

To implement risk mitigation strategies, the identification of the ICT and non-ICT communication infrastructure is crucial to reach efficiently risk-exposed population. Therefore, effective non-ICT and ICT-channels will be identified. On this basis, options for optimising the communication channels can be derived by conducting a cost-benefit analysis including the last mile problem. The implementation strategy will be evaluated in pilot regions in rural areas.

**Work Steps:**

**WP ICT4D - Task 1. *Country/regional Profiles***

**[C1]** Workshop with various experts within the Research Group from El Salvador, Ghana and Kenya.

**[C2]** Carry out pre-studies on each country and selected region for project implementation.

[C3] **Deliverable 0**:Report *‘ICT4D -prestudy’* including country profiles detailing selected implementation sites.

[C4] Provision of the report *‘ICT4D -prestudy’ to all WPs*

[C5] Duration = 1 month / 5 individuals (3 from countries under focus, 2 SPIDERs)

**WP ICT4D - Task 2. *Pretest***:

**[C1]** Implementation of the *Pretest* with an existing survey tool: What is currently available for supporting the accessibility of agricultural/health services? Survey on the inventory including the the analysis of the agricultural/health-situation, the ICT-situation, the cultural situation, the socio-economic situation and of a frequently used information and communication-channel. Additionally, the citizen's observations that could be transmitted via the communication channels will be identified. Furthermore, a software analysis will be carried out. Implementing the subsets of questions '*questions-PH-0'* from the *Public Health Team*, *'questions-LUO-0'* from the *Land Use Optimisation Team*, '*questions-RL-0'* from the *Risk Literacy Team,* '*questions-UWA-0'* from the Usability Workflow Analysis Team and '*questions-SD-0'* from the software development-team.

**[C2]** Identification of the existing communication channels and report on how information can be transmitted via the identified communication channels, what information can be transmitted via the identified communication channels, how and what kind of citizen's observations can be transmitted via the communication channels and a classification of the quality of the information transfer via the identified communication channels.

**[C3] Deliverable 1:***'report-ICT4D-0'* on identified communication channels, type of information shared and potential of communication channels for CiObs.

**[C4]** *Provision* of the developed *'report-ICT4D-0'* to the *Risk Literacy-Team*.

**[C5]** Duration **=** Research 1 Month (in each country, 1 local senior researcher and 1 local junior researcher + 3 SPIDERs, 1 in each country over 1 month. = total cost - 12 PM (2 PM/country + 3PM SPIDER )

Subtask- Measurement 1

**[C1]** Implementation of the *Measurement 1* with an existing survey tool using the identified communication channels based on the results of the prestest. Implementing the subsets of questions '*questions-PH-1'* from the *Public Health Team*, *'questions-LUO-1'* from the *Land Use Optimisation Team*, '*questions-RL-1'* from the *Risk Literacy Team,* '*questions-UWA-1'* from the Usability Workflow Analysis Team and '*questions-SD-1'* from the software development-team.

**[C2]** Optimisation of the existing communication-infrastructure based on the results of the *Measurment 1,* the'*report-RL-1' of the Risk Literacy Team* and by implementing the developed *Prototype 1* by the *Software Development Team.*

**[C3]** **Deliverable 2:** *Report ICT4D-1 on optimised communication-infrastructure.*

**[C4]** *Provision* of the '*report-ICT4D-1'* on the optimised communication-infrastructure to the *Risk Literacy-Team* and to the *Software Development Team.*

**[C5]** Duration **=** Research 1 Month (in each country, 1 local senior researcher and 1 local junior researcher + 3 SPIDERs, 1 in each country over 1 month. = total cost - 12 PM (2 PM/country + 3PM SPIDER )

Subtask- Measurement 2

**[C1]** Implementation of the *Measurement 2* with an existing survey tool using the identified communication channels based on the results of te prestest. Implementing the subsets of questions '*questions-PH-2'* from the *Public Health Team*, *'questions-LUO-2'* from the *Land Use Optimisation Team*, '*questions-RL-2'* from the *Risk Literacy Team,* '*questions-UWA-2'* from the Usability Workflow Analysis Team and '*questions-SD-2'* from the software development-team.

**[C2]**Optimisation of the existing communication-infrastructure based on the results of the *Measurment 2,* the '*report-RL-2' of the Risk Literacy Team* and by implementing the developed *Prototype 4* by the *Software Development Team.*

**[C3]Deliverable 3:** '*report-ICT4D-2'* on the optimised communication-infrastructure

**[C4]***Provision* of the '*report-ICT4D-2'* on the optimised communication-infrastructure to the *Risk Literacy-Team* and to the *Software Development Team.*

**[C5]** Duration **=** Research 1 Month (in each country, 1 local senior researcher and 1 local junior researcher + 3 SPIDERs, 1 in each country over 1 month. = total cost - 12 PM (2 PM/country + 3PM SPIDER )

Subtask- Measurement 3

**[C1]**Implementation of the *Measurement 3* with an existing survey tool using the identified communication channels based on the results of te prestest. Implementing the subsets of questions '*questions-PH-3'* from the *Public Health Team*, *'questions-LUO-3'* from the *Land Use Optimisation Team*, '*questions-RL-3'* from the *Risk Literacy Team,* '*questions-UWA-3'* from the *Usability Workflow Analysis Team* and '*questions-SD-3'* from the S*oftware Development Team.*

**[C2]**Implementation of the *Measurement 3* with an existing survey tool using the identified communication channels based on the results of te prestest. Implementing the subsets of questions '*questions-PH-3'* from the *Public Health Team*, *'questions-LUO-3'* from the *Land Use Optimisation Team*, '*questions-RL-3'* from the *Risk Literacy Team,* '*questions-UWA-3'* from the *Usability Workflow Analysis Team* and '*questions-SD-3'* from the S*oftware Development Team.*

**[C3] Deliverable 4:** '*report-ICT4D-3'* on the optimised communication-infrastructure

**[C4]** *Provision* of the '*report-ICT4D-3'* on the optimised communication-infrastructure to the *Risk Literacy-Team* and to the *Software Development Team.*

**[C5]** Duration **=** Research 1 Month (in each country, 1 local senior researcher and 1 local junior researcher + 3 SPIDERs, 1 in each country over 1 month. = total cost - 12 PM (2 PM/country + 3PM SPIDER )

**WP 2 (ICT4D) Task 3**: Interdisciplinary Analysis of project outcomes

**[C1]** Research Group workshop to collate results and lessons learned from the pretest and measurement stages.

**[C2]** Interdisciplinary analyses of material collated. From this WP on ICT4D, ICT4D is analysed from a socio-technical perspective, drawing out contextual implications for the employment of ICT in addressing public health and environmental degradation. A gender analysis will be applied, taking into account structural intersections such as ethnicity, religious affiliations, age, etc. In addition the milestone will incorporate an analysis on the environmental impact of low-end ICT with a short lifespan on the communities and environment in study areas.

**[C3]Deliverable 5:** Milestone report, information and goals for launching an LL

**[C4]** *Provision* of the ‘milestone report’ to final project report on COHEN.

**[C5]**Duration = 6 months. Estimated Person Months **-** 3 SPIDERs sharing 60% of a PM for a duration of 6 months.