**Supplementary Material 1**

**Net Present Value aggregated for each stakeholder**

**PPC:** With 90% confidence interval (CI), the overall investment NPVs range from 0.89 to 4.48 million USD for Weather station-SMS-Gender, from 0.46 to 3.57 million USD for SMS-Gender, from 0.98 to 4.94 million USD for SMS-Loudspeaker and from 0.22 to 2.71 million USD for Paper-Loudspeaker. This is the nominal benefits attributed to the PPC

For other stakeholders, each actor will mostly expect a different benefit from each intervention. Here we report the results reflecting the whole possible ranges in all investment scenarios. We will specify if we report the NPV for some specific interventions

**Rice farmers** can expect the overall NPVs in between 0.69 million USD and 5.23 million USD (90%CI). On average, one rice farmer can expect the NPVs in between 34.50 USD and 255.32 USD per 5 year implementation of the intervention.

**Fish farmers** can expect the overall NPVs (90%CI) in between 701.52 USD and 6.53 thousand USD (kUSD). We did not calculate the average benefit for each fish farmers since we relied on the area to calculate the overall benefits.

**Hydro-Meteorological Station** can anticipate receiving contracts to improve and provide weather forecasts in between 8.26 kUSD and 51.48 kUSD (90% CI).

**Provincial Agriculture and Rural Development (DARD)** may expect receiving funding to provide capacity building for sub-ordinate agencies in between 4.03 kUSD and 4.92 kUSD (90% CI). The expected funding for PDARD remain the same in all interventions.

**ASC** may also expect receiving funding in between 212.29 kUSD and 247.03 kUSD (90% CI) to translate weather forecasts into agricultural advice, as well as to roll-out the program at community levels. The expected funding for ASC remain the same in all interventions.

**SMS service providers** might expect having contracts to provide SMS services if interventions Weather station-SMS-Gender or SMS-Gender are being implemented. The values of contract remain the same in the two interventions, amount between 297.18k USD and 490.48 kUSD (90%CI). The SMS service providers might expect a service contract with a less value (4.99 kUSD-7.92 kUSD, 90% CI) if intervention SMS-Loudspeaker is being implemented.

**Women’s Union/LNGO** might expect to receive funding if interventions Weather station-SMS-Gender or SMS-Gender are being implemented. The grants remain the same in the two interventions, amount between 185.22 kUSD and 198.61 kUSD (90% CI)

**Village leaders** can expect receiving allowance for broadcasting ACS in between 57.57 kUSD – 92.47 kUSD (90% CI) if SMS-Loudspeaker is being implemented. They can expect higher allowance between 236.32 kUSD and 300.57 kUSD (90% CI) for both broadcasting and transportation to collect ACS bulletins from their respective commune if Paper-Loudspeaker is being chosen.

**Animal husbandry farmers** can expect the NPVs in between -133.55 kUSD and 441.60 kUSD (90%CI) as the result from their changed practice on protecting animals during the extreme cold weather. This result translates into the average NPVs for each farmer in between -18.38 USD and 61.44 USD (90% CI).

**The public** can expect the NPV between 0.41 USD and 2,198.62 USD (90% CI) as the result from improved access to better water quality.

**Seed suppliers:** With 90% confidence interval (CI), the NPVs for seed suppliers range between -1.06 million USD and -0.09 million USD.

**Fertilizer suppliers** can expect the NPV (90% CI) in between -1.65 million USD and 0.04 million USD

**Plant protection suppliers** can expect a loss (90% CI of the NPV) in between -1.25 million USD and -0.08 million USD