

Illegal Wildlife Trade: Half Year Report

(due 31 October)

Project Ref No	XXIWT008:
Project Title	Technology and Innovation Against Poaching and Wildlife Trafficking
Country(ies)	Kenya
Lead Organisation	Stimson Center
Collaborator(s)	Kenya Wildlife Service, Linkoping University, iHub
Project Leader	<i>Johan Bergenas</i>
Report date and number (eg HYR1)	<i>April 2016 – September 2016, Half Year Report 2</i>
Project website	<i>http://www.projectngulia.org/</i>

1. Outline progress over the last 6 months (April – Sept) against the agreed baseline timetable for the project (if your project has started less than 6 months ago, please report on the period since start up to end September).

Project partners Stimson, KWS, Linköping University (LiU), iHub and others that have joined the project were thrilled to be able to build and deploy the C3 system as outlined in output 1. We collect data every month and attach a sample of how these monthly briefs looks. Following one of these reports, the Commanding officers at Ngulia wrote us: "We are now able to see the area of coverage and make informed decisions on where rangers need to improve in their patrol," demonstrating that they are witnessing a changed information and intelligence picture as a result of our technology deployment. These qualitative reflections from the users, in addition to the data report, indicate to us that the project has momentum and is working on the ground.

With regard to output 2, which this half year report covers, we have made significant headway toward the goal of, by January 2017, deploying in Ngulia a radar for perimeter control in conjunction with the C3 system. Here are the achievements to date:

1. The Stimson Center has worked with technology partner Linköping University (LiU) to secure buy-in for this technology from rangers, commanders, researchers and the Senior Warden. This has been achieved and sets us up for successful training of personnel.
2. Stimson and technology partner LiU have identified, in collaboration with the KWS, a location for the radar in Ngulia for maximum impact.
3. LiU has run tests of radar technology at our test center in Sweden, the Kolmården Wildlife Park (See sample of technology testing attached).
4. Stimson has secured a commitment from a radar technology partner to self-finance the radar. They see this as a self-investment and a foot in the door into technology markets in the rapidly developing East Africa. This is a significant development as this type of hardware is at least five times the size of the IWT grant provided to Stimson, demonstrating how the UK government's investment is being effectively leveraged and seeing heightened returns.
5. Stimson has secured continued support from LiU to develop the necessary algorithms for analysing the data gathered by the radar. .

Against this backdrop, we believe we have met the targets to date to achieve output 2 by January 2017. In addition to having secured upwards of \$ in additional support for this project in in-kind contributions from our partners, we have also applied for additional project funds to

facilitate the deployment and algorithm development for the radar.

As we head into the final six months of this grant, we are starting work on Output 3 through the gathering and analysis of data for the project's monitoring and evaluation and the writing of a final public report with our findings.

2a. Give details of any notable problems or unexpected developments that the project has encountered over the last 6 months. Explain what impact these could have on the project and whether the changes will affect the budget and timetable of project activities.

Below are ongoing challenges. None of which are at the level where formal notice is necessary. The Stimson Center keeps DEFRA and other staff up to date on progress of the project.

1. One of our main champions, the former commander of the Ngulia sanctuary, has been rotated out of his assignment. We are now working on this transition with the KWS to ensure that the new commander gets up to speed on the project. No major impact is expected.
2. As has been true throughout the project, there is a lot of ranger turnover so a lot of time and extra efforts and resources are spent on training new staff (we cover these resources with non-IWT funds). No major impact is expected.
3. Internal unrest in Turkey put a brief hold on our relationship with radar provider. No major impact is expected.

2b. Have any of these issues been discussed with LTS International and if so, have changes been made to the original agreement?

Discussed with LTS: Yes/No

Formal change request submitted: Yes/No

Received confirmation of change acceptance Yes/No

3a. Do you currently expect to have any significant (eg more than £5,000) underspend in your budget for this year?

Yes No Estimated underspend: £0

3b. If yes, then you need to consider your project budget needs carefully as it is unlikely that any requests to carry forward funds will be approved this year. Please remember that any funds agreed for this financial year are only available to the project in this financial year.

If you anticipate a significant underspend because of justifiable changes within the project and would like to talk to someone about the options available this year, please indicate below when you think you might be in a position to do this and what the reasons might be

4. Are there any other issues you wish to raise relating to the project or to IWT challenge Fund management, monitoring, or financial procedures?