

Monitoring and Patrolling in Hin Nam No NPA

or monitoring for effective management in
Nature Conservation with SMART

National Protected Areas are legally protected through laws and agencies that enforce these laws. In practice nature conservation is given very little priority when livelihoods of people are not ensured and development of the country can be done with the exploitative use of the natural resources.

Patrolling and
wildlife monitoring
thus has to be
done cost
effective!



Patrolling



For capturing poachers of wildlife and logging, bigger groups with arms and with authorities

Wildlife Monitoring

Small groups of villagers for detection of animals and signs of threats



Database and Spatial Information Development

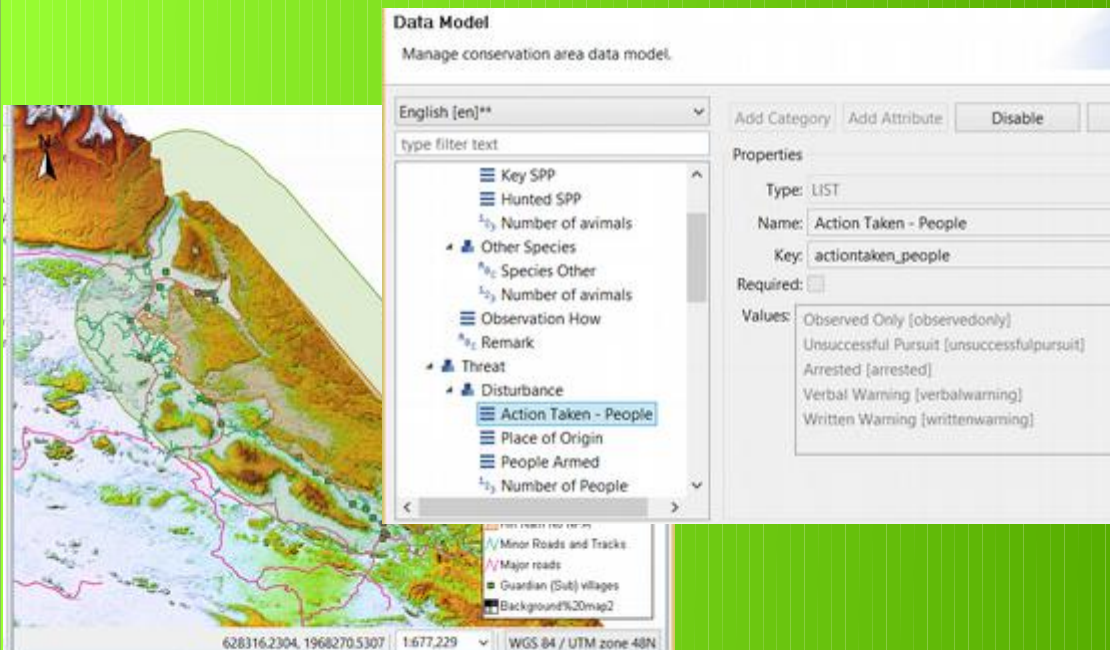


The SMART login interface features a logo on the left showing a tiger silhouette inside a shield. To the right of the logo, the word "SMART" is displayed in a large, blue, sans-serif font. Below the logo and text, there is a "Conservation Area:" dropdown menu with "HNN-T - Hin Nam No NPA" selected. Underneath are input fields for "User Name:" and "Password:". At the bottom right, there is a blue link for "Advanced..." and two buttons: "Exit" and "Login".

SMART =
Spatial Monitoring and
Reporting Tool



It's a suite of best practices aimed at helping protected area and wildlife managers better monitor, evaluate and adaptively manage patrolling activities



The image shows the "Data Model" configuration window in SMART. The window title is "Data Model" and the subtitle is "Manage conservation area data model." On the left, there is a map showing a terrain with various features. The main area is a tree view of data categories. The "Action Taken - People" category is selected and highlighted in blue. To the right, the "Properties" panel for this category is visible, showing fields for "Type" (LIST), "Name" (Action Taken - People), "Key" (actiontaken_people), and "Required" (unchecked). The "Values" list includes: "Observed Only [observedonly]", "Unsuccessful Pursuit [unsuccessfulpursuit]", "Arrested [arrested]", "Verbal Warning [verbalwarning]", and "Written Warning [writtenwarning]". At the bottom, there are coordinates and a coordinate system selector: "628316.2304, 1968270.5307 1:677.229 WGS 84 / UTM zone 48N".



Trails over limestone formations

Very difficult terrain and conditions for rangers



Evidence of poaching

Open air camp sites



Swollen rivers



Limited water supply

National Protected Areas Management thus has to be effective and cost efficient



Data form development

<p>ເວລາເວົ້າ/ເວລາຂຶ້ນທາງ ຊື່ບຸກຄົນ:</p> <p>ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____</p>	<p>ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____</p>	<p>ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____ ຊື່ບຸກຄົນ: _____</p>
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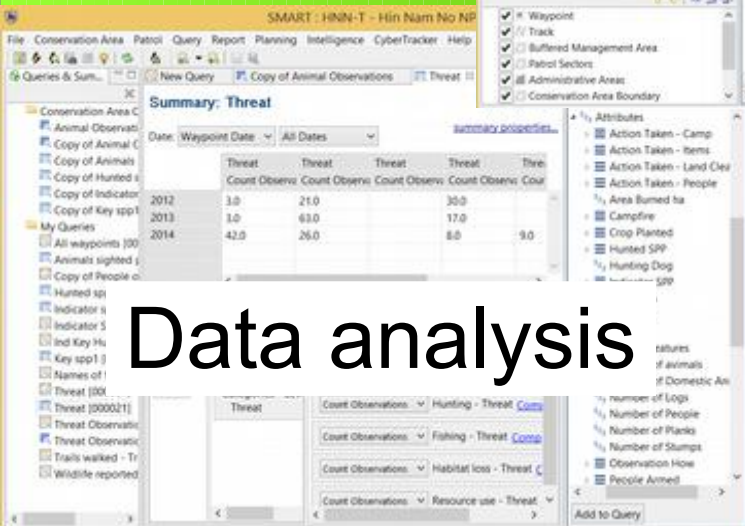
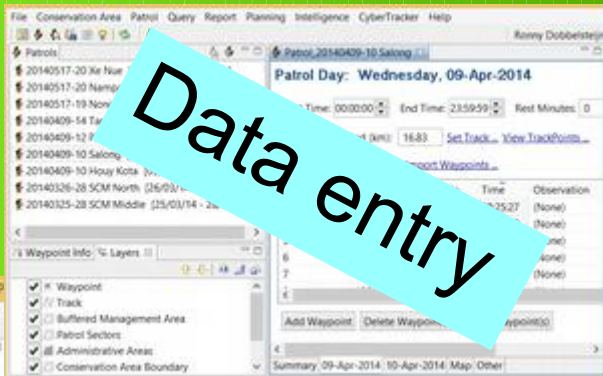
Field data capturing

Training of villagers on data capturing



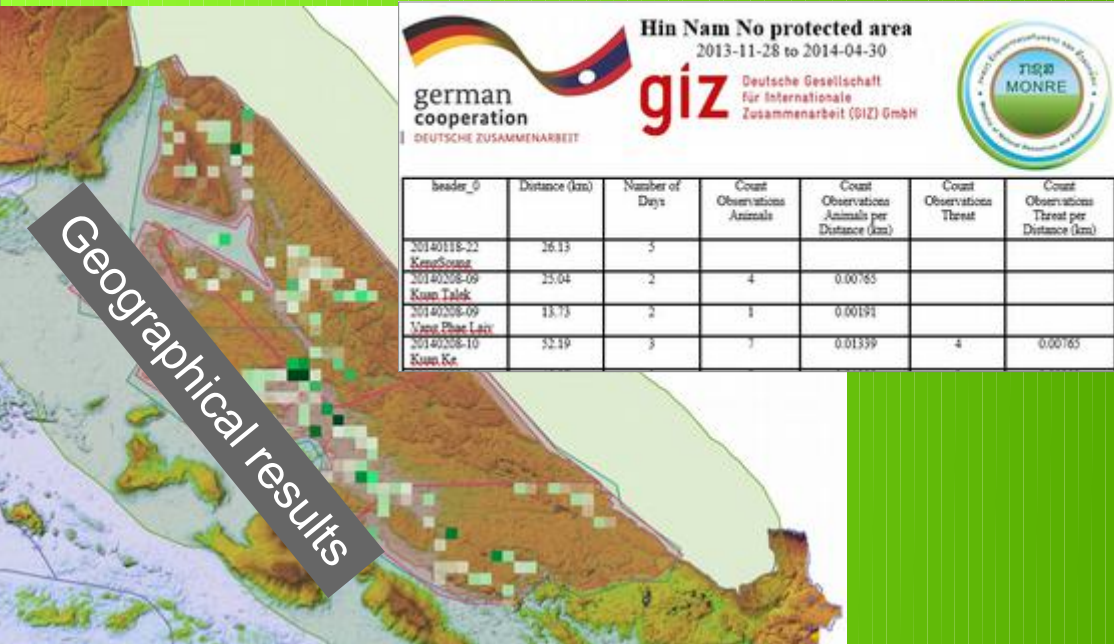
07/02/2014

Data entry



Data analysis

Tabular results



Geographical results

All these results in SMART are used to empower conservation managers with timely and accurate information, guide their strategy in the most effective manner, ensure accountability and good governance and motivate the staff and villagers for practical conservation efforts.



Hin Nam No NPA