

CONSERVATION EDUCATION: A study case in Khau Ca Species and Habitat Conservation Area, Ha Giang Province, Viet Nam

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Outline

- Khau Ca Species Habitat Conservation Area (SHCA)
- Objectives and Methodology
- Findings
 - Awareness and Attitude toward Biodiversity
 - Awareness, attitude divided into groups of Objects
 - Useful & Harmful activities
 - Opportunities to participate in conservation education
- Recommendations
- Conclusion

Khau Ca Species Habitat Conservation Area (SHCA)

Priority Villages in buffer zone of Khau Ca SHCA



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Khau Ca Species and Habitat Conservation Area (SHCA)



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- 2024 ha, sub-tropical limestone forest in Northern of Vietnam
- Being home to the biggest population of Tonkin Snub-Nose Monkey (TSNM) (*Rhinopithecus avunculus*)

Khau Ca Species Habitat Conservation Area (SHCA)

Ethnicities element

Tay	Dao	H'mong
77.61%	15.20%	6.62%

Percentage of poor stakeholder : 34.9%



Objectives and Methodology

Objects

- Adult people who are above 18 years old in 8 villages

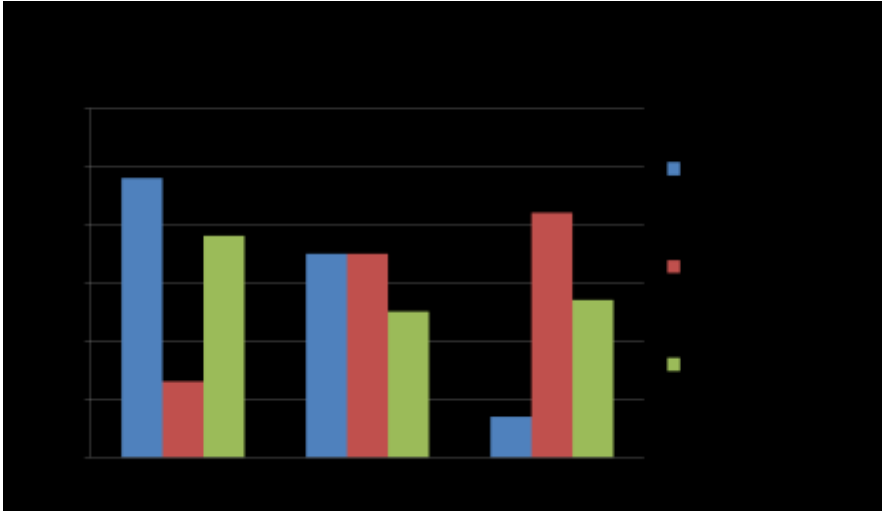
Methodologies

- Semi-structured interview
- and structured interview

Objectives

Assessing the awareness of local people and the opportunity to participate in the conservation education programs
 →Contributing to conservation of Snub-nosed monkey at Khau Ca SHCA

Findings/Awareness and Attitude toward Biodiversity



Findings/Awareness, attitude divided into groups of Objects

Order	Variable	P - value	Conclusion
1	Commune	0.384	No Difference
2	Age	0.303	No Difference
3	Education	0.000	Difference
4	Job	0.000	Difference
5	Income	0.000	Difference
6	<i>Gender</i>	<i>0.047</i>	<i>Difference</i>
7	Ethnicity	0.020	Difference

Findings/ Awareness, attitude according to gender



A regular meeting which is organized by Khau Ca Management Board



A man is taking care of his children in Khuay Loa Village, Minh Son Commune

Findings/ Awareness, attitude according to gender

Awareness problem	Result	Location	Year	Author
Natural Resources and Snub-nosed monkey	Male has better awareness than female	Ha Giang, Viet Nam	2010	Nhai Nguyen
Environmental problems	Female has better awareness than male	California	1994	Caro et al.
Golden Lion-Tamarin monkey	Male has better awareness than female	Brazil	2001	Engels and Jacobson
Black Lion-Tamarin monkey	No difference	Brazil	1994	Padua
Marine turtles	Male has better awareness than female	Sri Lanka	2009	Rajakarun a <i>et al.</i>

Findings/Useful & Harmful activities

Useful activities:

- Controllable fire-wood collection
- Paper works are required for logging for building
- Planting elephant grass

Harmful activities:

- Illegal fire-wood collection,
- Illegal hunting
- Illegal logging
- and collecting non-timber forest product



Findings/Opportunities to participate in conservation education

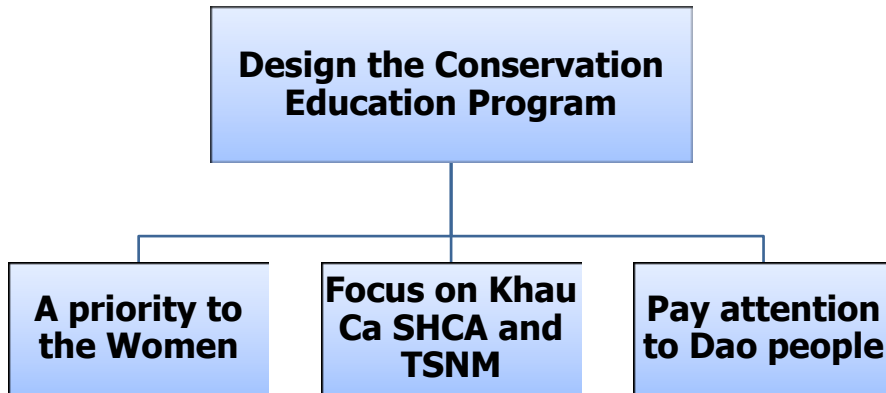


The environmental education programs for teachers

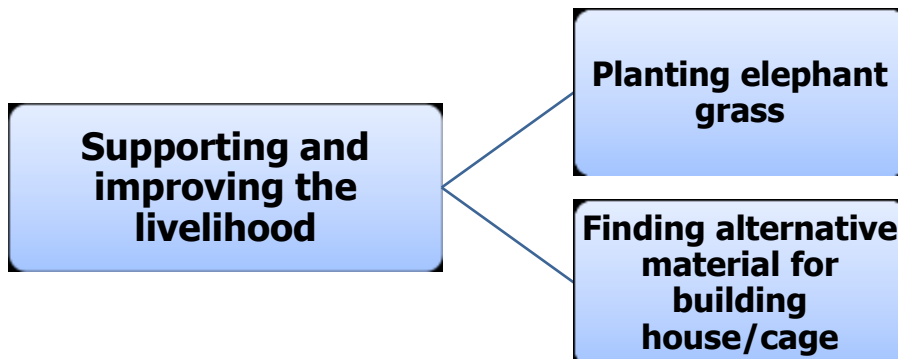


Community patrol team

Recommendations



Recommendations



Recommendations

Choose appropriate people for Collaborative Management Board



Establish Management Advisory Committee of Khau Ca Protected Area

Conclusions

- Awareness and attitude of local people on natural resources, environment are low, especially about TSNM and PA.
- Awareness and attitude on biodiversity's problems between gender, ethnic groups, knowledge, jobs and income have significant differences.
- Some useful activities have been implemented at a small scale while the harmful ones are much broader.

Conclusions

- In spite of some existent education programs, the community's members and the content are not comprehensively covered.
- Design new education programs; support and improve the local livelihood; and establish the Management Advisory Committee

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