

## Summer Field School [Online] on MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT Ivano-Frankivsk Region, Ukraine :: 19-28 September, 2021

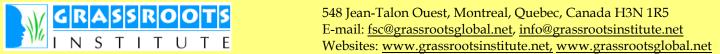
## **DELEGATE PARTICIPANT'S PROFILE**

	Mr. Kinley Dorji
Ann Adella A.	Programme Leader
The state of the s	School of Environmental Management
	Royal Thimphu College
	Thimphu, Bhutan
	Tel: +975 173282610
	Email: <u>kinleydorji@rtc.bt</u>
Highest Education	Master of Science in Environmental Management (with
liighest Eddeution	specialization in Natural Resources Management and Climate
	Change)
Personal Statement	Dear Friends,
l'ersonar Statement	To further introduce myself, I am a lecturer in Royal Thimphu
	College, which is under Royal University of Bhutan. I head the Department of Environmental Management.
	I studied Bachelors of Science in Sustainable Development and Masters of Science in Environmental Management with specialization in Natural Resources Management and Climate Change. I teach subjects like Biodiversity Conservation and Management, Restoration Ecology, Resources Management, Climate Change, Geographic Information Sciences, Urban Ecology and Environmental Leadership.
	Although my researches have always been in the field of resources management – especially water resources and forest resources – and climate change, my interest has inclined towards the study of environmental humanities. I am also planning for a PhD in the field of environmental humanities focusing on multi-species study.



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	I have few researches done in the field of water resources
	management, ecosystem services and climate change.
Paper/Presentation Title	Climate Change and it's Impacts on Provisional Ecosystem Services
(Unpublished Research or	vis-à-vis Livelihood of Two Highland Communities of Merak and
Review or Field Work)	Sakteng in Bhutan
Keywords	Climate change; Livelihood; Ecosystem Services
Abstract (100-300 words)	Biodiversity is increasingly affected by global environmental
,	changes, challenging ecosystems to perform its basic
	functions. The environmental changes and its impacts have
	been highly felt by the mountain ecosystems. The disruption
	in the functioning of mountain ecosystems thus affects agro-
	ecosystem based livelihood, of the rural people. While the
	impacts are highly felt by the rural people, they have the least
	capacity to adapt and cope up with the impacts. This
	participatory research conducted using mixed methods
	involving questionnaires surveys and focus group discussion,
	(1) documents provisional ecosystem services to priority rank
	the services based on its utility for the local community, (2)
	determines economic value of these provisional ecosystem
	services, (3) assesses the agro-ecosystem based livelihood of
	the people and (4) studies the people perception of climate
	change and it's impacts on their livelihood.
	The water as an ecosystem has the highest utility with the
	average scoring od 10.77 in both the places. It has the total
	economic value (TEV) of Nu. 1431546 (US\$22,201.4), which is
	14% of overall TEV. The pasture is one of the important
	resources with 30% of the total TEV, which is a direct
	translation of pasture being the primary source of fodder for
	these two livestock dependent communities. Nearly 90% of
	the community people depended on the livestock for their
	primary income. The research also found that the average
	annual income to have increased over last few decades. The
	increase was mainly due to the improvement of facilities and
	developmental infrastructures. The diversification of vocation
	was apparent in these communities and was of huge
	advantage to increase the household income.



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	The impacts of climate change were visibly felt in these two
	communities of Bhutan. Despite no recorded indication of
	changing climate, people's experience posited that the change
	was rapid and fluctuation of weather variable becoming
	visible and more prominent. It was observed that these
	impacts are increasingly exposing the poor people to
	uncertainties and stresses beyond their adaptive capacity. Yet,
	surprisingly, 91% of the total interviewed people had a
	positive outlook towards climate change.
More Information	Website of the organization and my profile:
(weblinks)	https://www.rtc.bt/index.php/academics/profile?id=123