



Impact of Climate Change on Everest (Sagarmatha)

Climate Change and its Repercussions

Table of content

Part 1 (Presentation)

- Self introduction
- List of Sustainable Development Goals
- Focusing on Climate Action
- Climate change and relation of other SDGs from perspective of Nepal
- Climate change and Sagarmatha
- Climate change and its repercussions in other

P A U S E

Part 2 (Discussion)

- Interaction on how Climate change can be controlled, and its impact can be minimized? (In Nepalese context)

Self introduction

Rajendra
Panta

Origin: Lumbini, Nepal

Education: Master of Agricultural Sciences in
Tropics and Subtropics, University of Hohenheim



List of Sustainable Development Goals



SUSTAINABLE DEVELOPMENT GOALS



13 CLIMATE ACTION

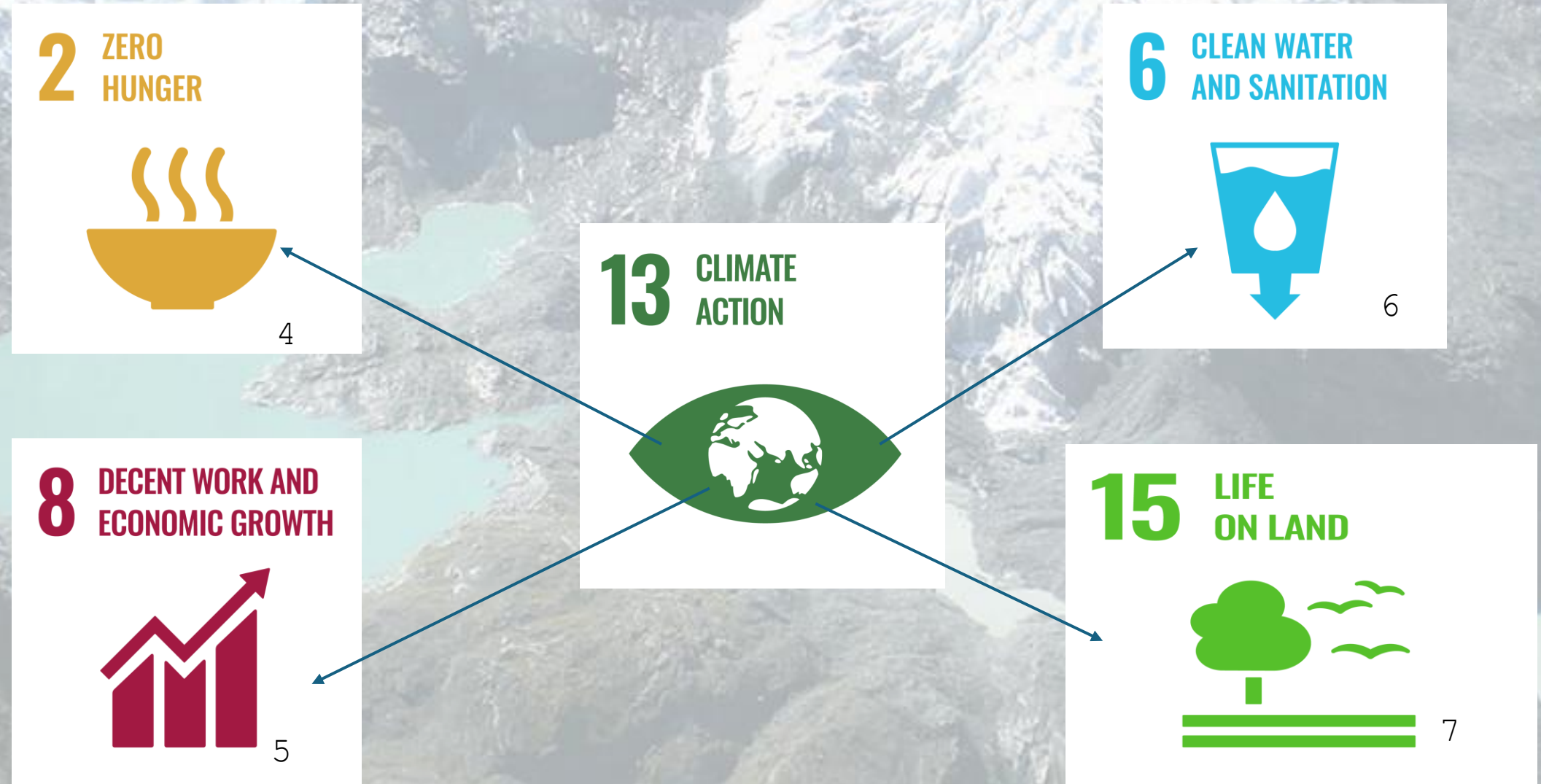


3

1. COP 29 (Baku, Azerbaijan): November 11-24, 2024

2. **Developed countries** agreed to mobilize **at least \$300 billion per year by 2035** to support climate action in developing countries (UN Climate Change Conference, Baku)

Climate change and relation of other SDGs from perspective of Nepal



Climate Change and Sagarmatha

MIG TV

CLIMBING MOUNT EVEREST: THEN & NOW



Climate Change and Sagarmatha



9



1
0

Climate Change and Sagarmatha

<https://www.youtube.com/watch?v=TieV2X>

+ TECH + NEWS + SCIENCE

News

Opinion

Sport

Culture

World UK Climate crisis Ukraine Environment Science Global development

Environment

This article is more than 18 years old

Everest ice for warming, says

Jonathan Watts in Beijing

Wed 30 May 2007 10.03 CEST

Share



The Rongbuk glacier on the north side of Mount Everest

One of the world's most spectacular glaciers near Mount Everest's base is warming, **Greenpeace** said.

Before and after photograph shows how the past 40 years of climate change are transforming the Himalayan landscape as ancient glaciers melt and retreat higher up the slopes.

The first photograph, taken in 1968, shows a long valley filled with white ice. The second photo shows a much narrower, more fragmented and rocky stream of ice.

Climate Change Is Melting Everest

Research shows that higher temperatures around the world's tallest peak are thawing its glaciers, which could spell doom for villages in the Khumbu Valley

Published: Apr 12, 2016



Anna Callaghan

Follow



times

h About E360

Nepal (The land of peace)

Quiz

S.N	Questions
1.	What is the distance between Frankfurt and Kathmandu?
2.	What is the name of killer mountain of the world?
3.	What is the percentage of Earth covered by Nepal?
4.	What is the percentage of flora and fauna harboured by Nepal?
5.	For which two things Nepal is mostly known in the world?

→ 6000km

→ Manaslu

→ 0.03%

→ 3.2% and 1.1%

→ respectively Mount Everest and Lord Gautam Buddha



Climate Change and its effects on linked goals

2 ZERO HUNGER



4



14

Grain crops such as wheat, barley and sorghum, which are traditionally grown in the Everest region, are no longer being produced as before. Local farmers say that farming has been affected due to irregular weather, effects of temperature increase, unseasonal rains and dry weather.

Impact of Climate Change: Challenges to Food Security and Women's Nutrition in the Everest Region

फाल्गुन २४, २०८१ | रासस



13

Climate Change and its effects on linked goals

8 DECENT WORK AND
ECONOMIC GROWTH



TOP ADVENTURE ACTIVITIES TO TRY IN NEPAL 17 (BESIDES TREKKING)



WHITE WATER RAFTING



PARAGLIDING IN POKHARA



MOUNTAIN BIKING



JUNGLE SAFARI IN CHITWAN

Climate Change and its effects on linked goals

6 CLEAN WATER AND SANITATION



As the earth warms and glaciers melt, the risk of glacial lake outburst floods grows

● Marissa Taylor, June 9, 2022, Khumbu

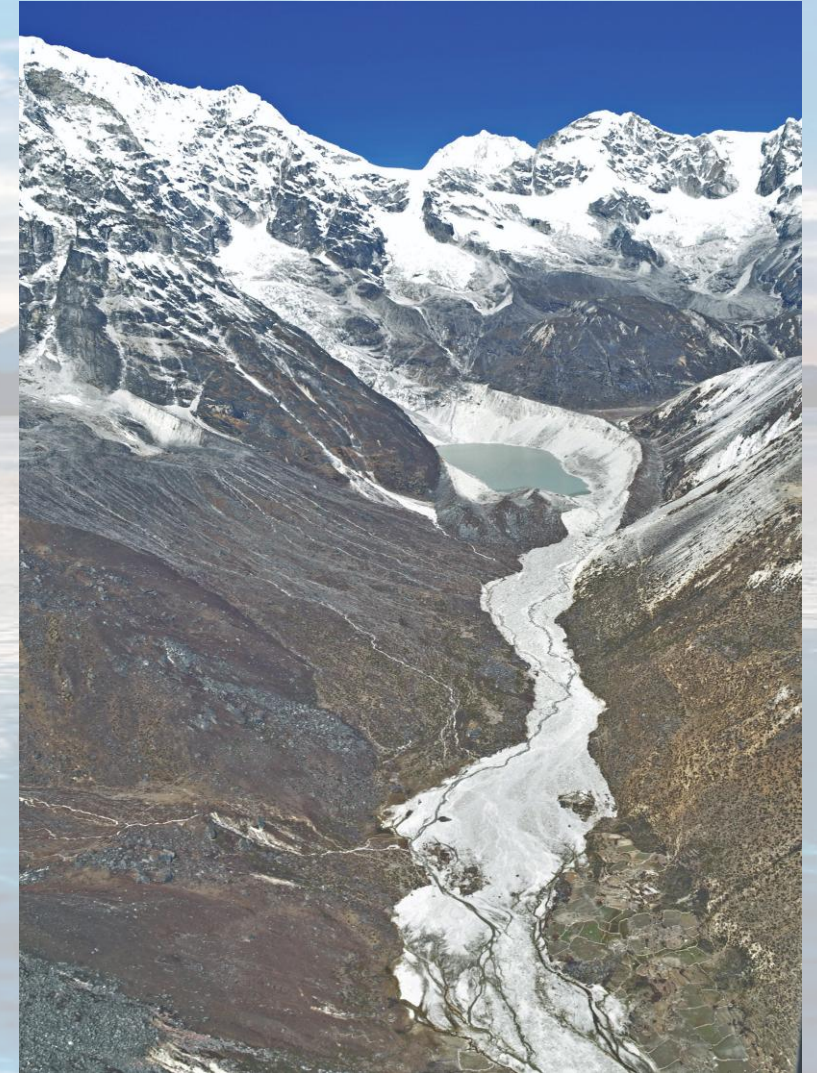


The risk is most acute for residents of the Khumbu region, which hosts a majority of the country's glaciers and has settlement areas close to retreating glaciers.



Among a total of 1,541 glacial lakes in the country, 234 lie in the Dudh Koshi sub-river basin, around the Everest region. Several of these glacial lakes have the potential to burst. (Photo: Sharad P Joshi)

18



19

Climate Change and its effects on linked goals

15 LIFE
ON LAND



A Khumbu Glacier outburst refers to a recent Glacial Lake Outburst Flood (GLOF) event on August 16, 2024, when a glacial lake outburst occurred in the Khumbu region of Nepal, damaging the Sherpa village of Thame and disrupting power to



2
1

Discussion (Interactive session)

Question : How can impact of Climate change be minimized to boost agricultural productivity, water availability, economic growth leading to Sustainable Development?



22



23

Sources of pictures

Picture number	Source
1.	https://www.alamy.com/stock-photo-the-german-temple-lumbini-nepal-54459429.html
2.	https://www.un.org/
3, 4, 5, 6, 7	https://dns-indikatoren.de/en/
8.	https://mediaindia.eu/tv-video/climbing-mount-everest-then-now/
9.	https://de.pikbest.com/photo/snowy-summit-of-mount-everest-under-a-cloudy-veil_11087054.html
10.	https://madisonmountaineering.com/everest-base-camp-awaits/
11.	https://www.nzz.ch/reisen/manaslu-die-suche-nach-dem-gipfel-beim-achttausender-bergsteigen-ld.1648757
12.	https://www.istockphoto.com/de/foto/goldenen-buddha-tempel-in-der-tigerh%C3%B6hle-thailand-gm483657213-20106308?searchscope=image%2Cfilm
13.	https://ekantipur.com/en/koshi-pradesh/2025/03/08/impact-of-climate-change-challenges-to-food-security-and-womens-

Picture number	Source
15, 16	https://nepalitimes.com/here-now/peak-tourism-in-2023-9ukoi8iz
17	https://explorealaboutnepal.com/adventure-activities-to-try-in-nepal/
18, 19	https://www.recordnepal.com/as-the-earth-warms-and-glaciers-melt-the-risk-of-glacial-lake-outburst-floods-grows
20	https://www.icimod.org/press-release/glof-from-thyanbo-glacial-lake-sweeps-away-thame-village/
21	https://risingnepaldaily.com/news/47597
22	https://www.insidehighered.com/opinion/career-advice/2024/03/06/taking-interdisciplinary-approach-teaching
23	https://www.dreamstime.com/group-people-various-occupations-professions-group-people-various-occupations-professions-worlds-most-demand-image221333089

Other source

- <https://www.c2es.org/document/key-negotiations-related-outcomes-of-the-un-climate-change-conference-in-baku/>
- <https://www.youtube.com/watch?v=TieV2XksrMc>

THANK YOU