



GHE

A world map where the landmasses are represented by a dense collection of white dots of varying sizes, resembling city lights at night. The background is a solid dark blue. The text "One Billion People Living in Darkness" is centered over the map in a large, white, sans-serif font.

One Billion People Living in Darkness











Current Problem of Remote Communities



Lack of Basic Facilities



Lack of Education & Livelihood

Results in



**Limited New Rural Destinations
“Migration of Tribes
& Lost Culture”**

A group of Buddhist monks and a young girl are shown in a temple, clapping and looking upwards with joyful expressions. The monks are wearing traditional maroon robes. The background features ornate Tibetan-style wall decorations, including a row of small framed paintings and a large, brightly lit ceiling light fixture. The scene is captured in a cinematic style with warm lighting.

Technology and Tourism to bring Development

Self – Sustainable, Smart and Carbon Neutral Villages

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS 2030



SOCIAL IMPACT VERTICALS



Solar Electrification

- Clean Energy Access to Villages



Digital Education

- Experiential Learning for Students



Solar Health Access

- Solar powered equipments for basic health



Carbon Neutrality

- Diesel with Solar
- Clean Cookstove



Homestay Development

- Meaningful Livelihood opportunities

SKILL DEVELOPMENT AND TRAINING AS THE BEDROCK

TRANSFORMING COMMUNITIES











1500 Year Old Village Electrified



VISIBLE IMPACT

A photograph showing three people in a dark room. A woman on the left wears a red headscarf. A man on the right wears a grey beanie. They are gathered around a small, glowing kerosene oil lamp. The room is cluttered with various items on shelves in the background.

Harmful Kerosene Oil Lamps

A photograph of a woman in a purple skirt and black top, bent over a stove in a kitchen. The room is brightly lit by a modern LED light fixture hanging from the ceiling. Shelves in the background are filled with various kitchen items, including pots, pans, and containers.

Impact of LED Lights







VILLAGERS EXPERIENCING LED LIGHT FOR THE FIRST TIME



Solar Electrification of Remote Garo Villages (Meghalaya)



600

Villages
Transformed

300,000

Lives
Impacted

5

Regions of
India



1300
Travellers

60
Countries



COMMUNITY EMPOWERMENT



Village Women Trained as Solar Engineers



Solar Training of Local Youth



Women Engineers Electrifying Villages



Digital Innovation Center



Providing Education Access to the Garo Communities

Students at the Digital Innovation Centres







SOLAR POWERED HEALTH CENTRES

- **Creating Solar Powered Health Centers with better medical equipments'**
- **Training of the local medical staff on the installed appliances**
- **Developing a sustainability model for smooth operations of Govt. Medical centres**





Solar Powered Primary Health Centre



**Providing the Basic Health Care Infrastructure along with
Solar Power Plant Providing Reliable Electricity**

Medical Equipment being Setup



Solar Powered Health Centre Setup in Ladakh - Durbuk (14300ft)



COVID Vaccination Drive at Sato Health Centre Medical Refrigeration



ACCESS TO CLEAN COOKSTOVES



Providing a Transformative Solution for the Rural Communities



Use of Traditional Cook- Stoves on Firewood



PROPOSED SOLUTION: CLEAN COOKSTOVES



- 80% reduction in smoke & toxic emissions
- 50% reduced cooking time
- 60% reduced fuel requirement
- 50% reduction in fuel costs
- 40% improvement in cooking efficiency

60% reduction in CO2 and 40% reduction of Black Carbon

Project Scenario for Carbon Offset Project

500,000 Households in India for Carbon offset Project



Households with Traditional Chulha



Clean Cookstoves



Carbon Offset and Impact

No. of Households
500,000

Lives Impacted
2,500,000
Women Empowered
1,000,000

Annual Carbon Offset
1.5 Million Tons
Carbon Offset Lifetime
7.5 Million Tons

Developing Climate Action Warriors in Tribal Communities



Community Empowerment

**No of People Educated
on Climate Action
1.5 Million**



Job Creation

**Total Youth Empowered
Climate Entrepreneurs
50,000**



Holistic Development

**Villages accelerating
on SDG Goals
15,000**



ENGAGING THE STAKEHOLDERS





Cookstove Distribution and Mobilisation





Creating Strong on ground Impact



SMART MONITORING AND ADOPTION

1. **Mobile App to register each stove and collect baseline data for each household at the start of the program**
2. **Train Volunteers on cookstove usage and implement educational campaigns through digital mediums**
3. **Work with Partners to monitor impacts and deliver carbon credits**



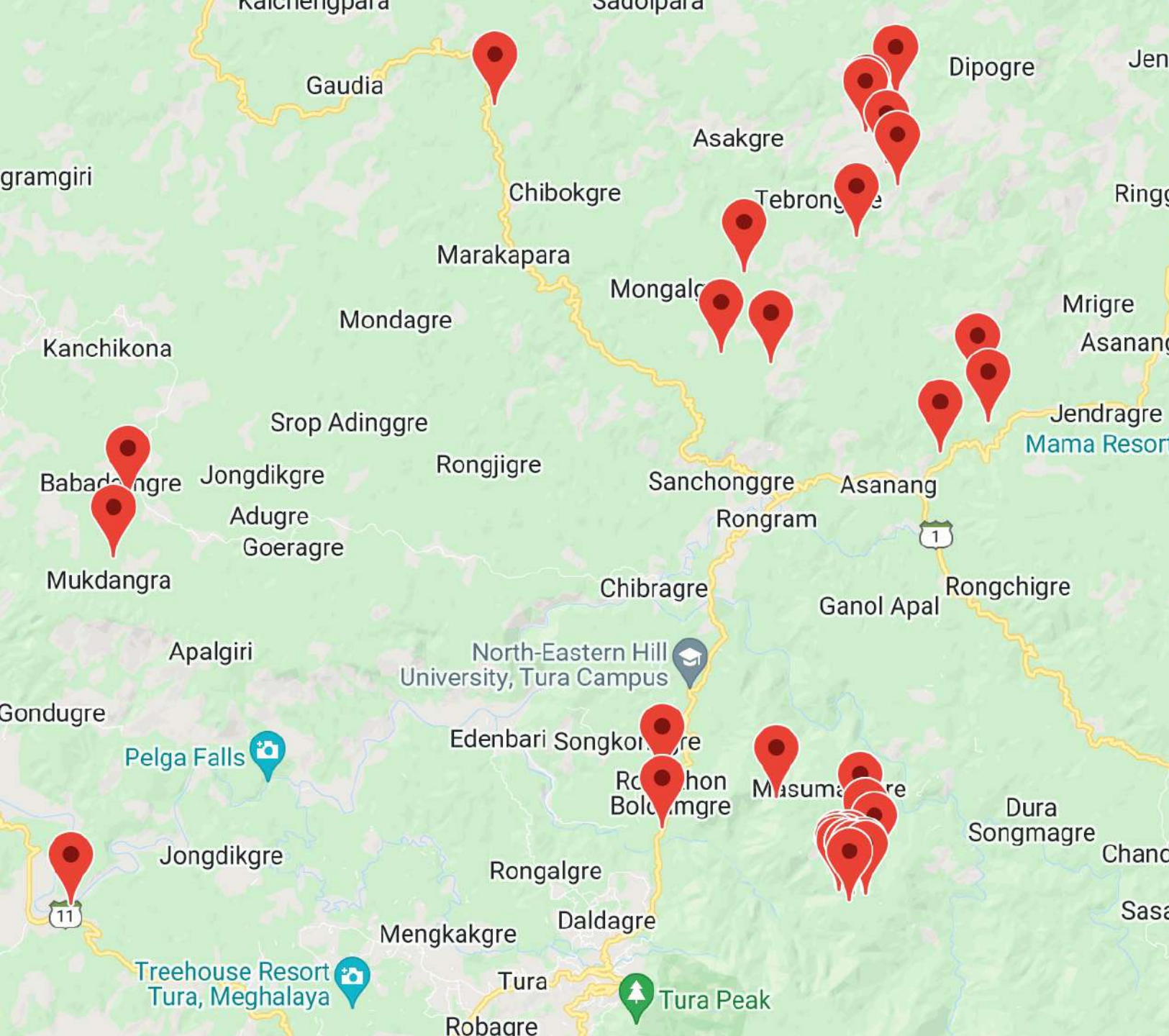
PROPOSED CARBON STANDARDS



Established by WWF, The Gold Standard is endorsed by more than 80 NGOs. Gold Standard is now certifying SDG contributions and impacts under the “Gold Standard for Global Goals” standard.



The VCS (“Verified Carbon Standard”) developed by Verra is the world’s most widely- used voluntary greenhouse gas reduction programme, with almost 1,500 certified projects.



GEO TAGGING FOR EACH BENIFICARY WITH UNIQUE DATA IDENTIFICATION DASHBOARD

An aerial photograph of a mountainous region. In the foreground, a small village with several buildings is visible, including a prominent two-story house with a flat roof and solar panels. The ground is dry and rocky, with some sparse vegetation. In the background, steep, rugged mountains rise, some with patches of snow. A large, semi-transparent white box with a thin black border is centered over the middle of the image, containing the text "CARBON NEUTRAL HOMESTAYS" in bold, white, sans-serif capital letters.

CARBON NEUTRAL HOMESTAYS



**Solar water
Heaters**



**Solar Powered
Houses**



**Reusable
Amenities**

Carbon Neutral Homestays



**Farm to Table
Food**



**Passive Solar
Homes**



**Water
filters**

Carbon Neutral Homestays



Organic Farming
with Greenhouse

Solar water heaters

Solar powered

Eco Friendly Dry Toilets

Reusable Amenities

Separate rooms
for travellers

Features of our Carbon Neutral Homestays in Ladakh



Setup in pre-existing traditional local houses

Solar Microgrid for uninterrupted power supply

Solar Water Heaters for 24x7 hot water

Organic, farm-to-table food experiences

Western style eco-friendly dry toilet

Water filters to avoid Single Use Plastic

Reusable Travel Amenities

CARBON NEUTRAL STAYS

Boutique Accommodations





From Diesel Power to



Renewable Energy



From Firewood to Solar Energy



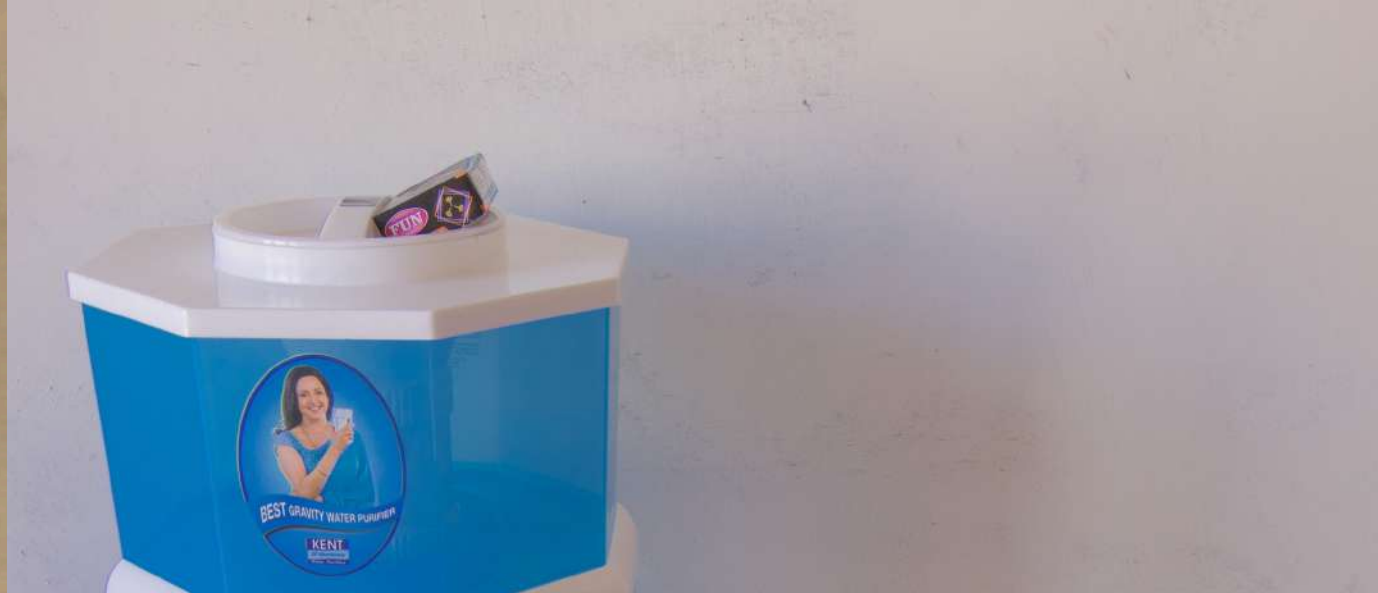
From Frequent Car Trips to Market to Growing Vegetables in the Backyard






From Wastewater Discharge to Compost-making Dry Toilets





From Plastic Amenities to Local Reusable Options





BEFORE
5,000 Kgs
carbon
emission
per household

**CARBON NEUTRAL
APPROACH**

AFTER
140 Kgs
carbon
emission
per household

CONTRIBUTE POSITIVELY

As a Traveler



Mountain Homestays



Leave Behind a Truly
POSITIVE FOOTPRINT

STAY WITH THE LOCALS

**CARBON NEUTRAL
ACCOMODATION**

**LOCALLY SOURCED
FOOD**

**SOLAR POWERED
HOMESTAYS**

REUSABLE AMENITIES

SOLAR WATER HEATERS

WATER FILTERS

TRADITIONAL HOMES



A night sky scene with a large telescope and people. The background is a dark, starry sky. In the foreground, a large telescope is mounted on a tripod. A person in a red hoodie is standing next to it, looking through the eyepiece. Another person is partially visible behind them. The ground is dark and rocky, with some distant lights visible on the horizon.

ASTROSTAYS

**Astronomy & Tourism as
gateways to holistic
community development**

COMMUNITY LED ASTRO-TOURISM

**Indigenous
Communities**

**Remote
Unmapped Areas**

**Lack of
Development**





BREAKTHROUGH

POWER TO THE PEOPLE



The BBC logo is displayed in white on a black rectangular background. It consists of the letters 'B', 'B', and 'C' separated by vertical bars. The entire graphic is set against a dark, semi-transparent banner that spans the top of the image.

BBC

FROZEN RIVER TREK TO POWER UP HIMALAYAS



AWARDS



Winner
Best Start-up in
Tourism 2019



Winner
World Tourism
Awards 2018



Winner
Community Tourism
Award 2018

RECOGNITIONS



Featured in Breakthrough
Series "Power to the People"



Documentary on GHE for
energy and education access



Documentary on Global
Himalayan Expedition in
winters



United Nations
Framework Convention on
Climate Change



**MOMENTUM
FOR CHANGE**

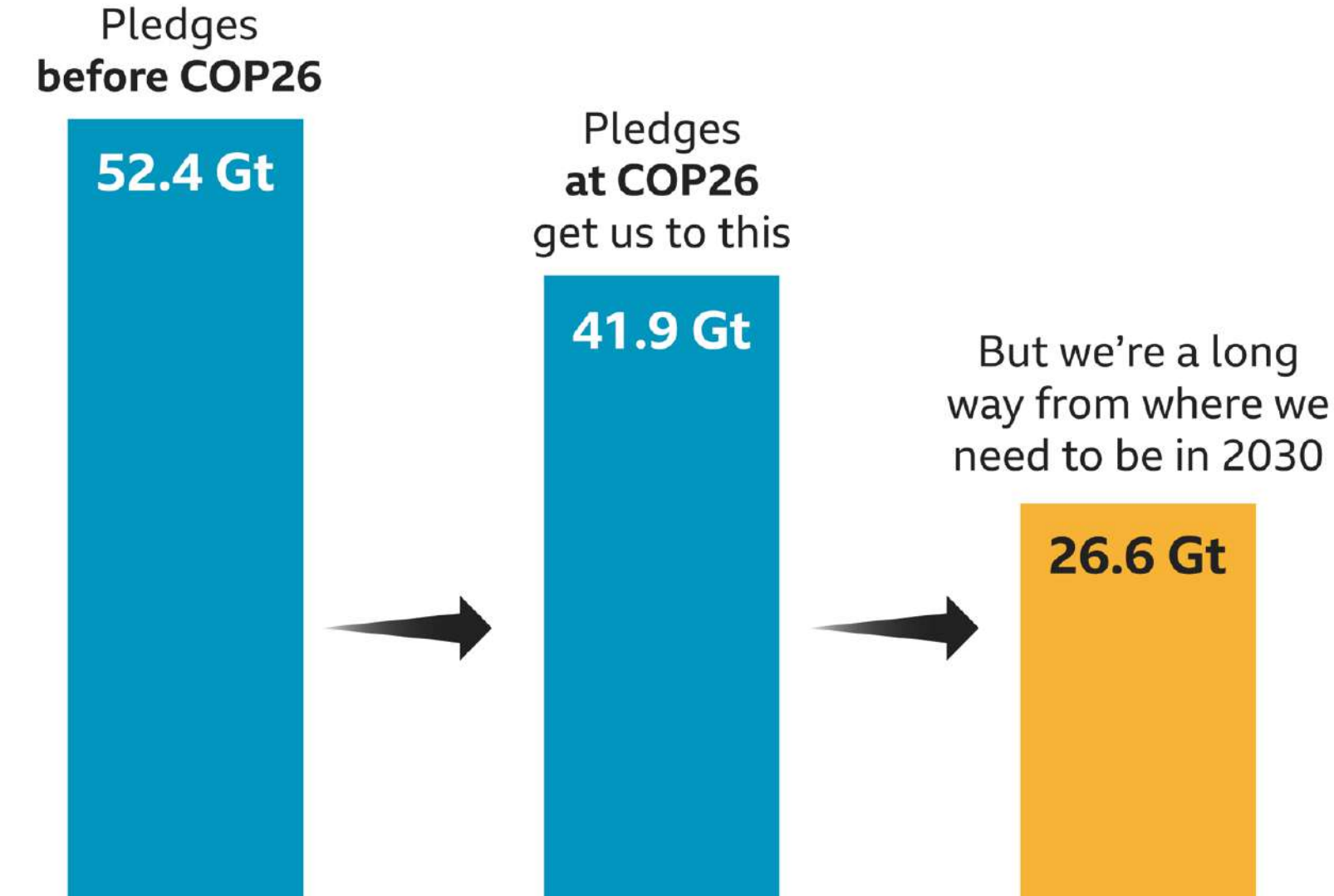
UNITED NATIONS GLOBAL CLIMATE ACTION AWARDS 2020



GLOBAL HIMALAYAN EXPEDITION

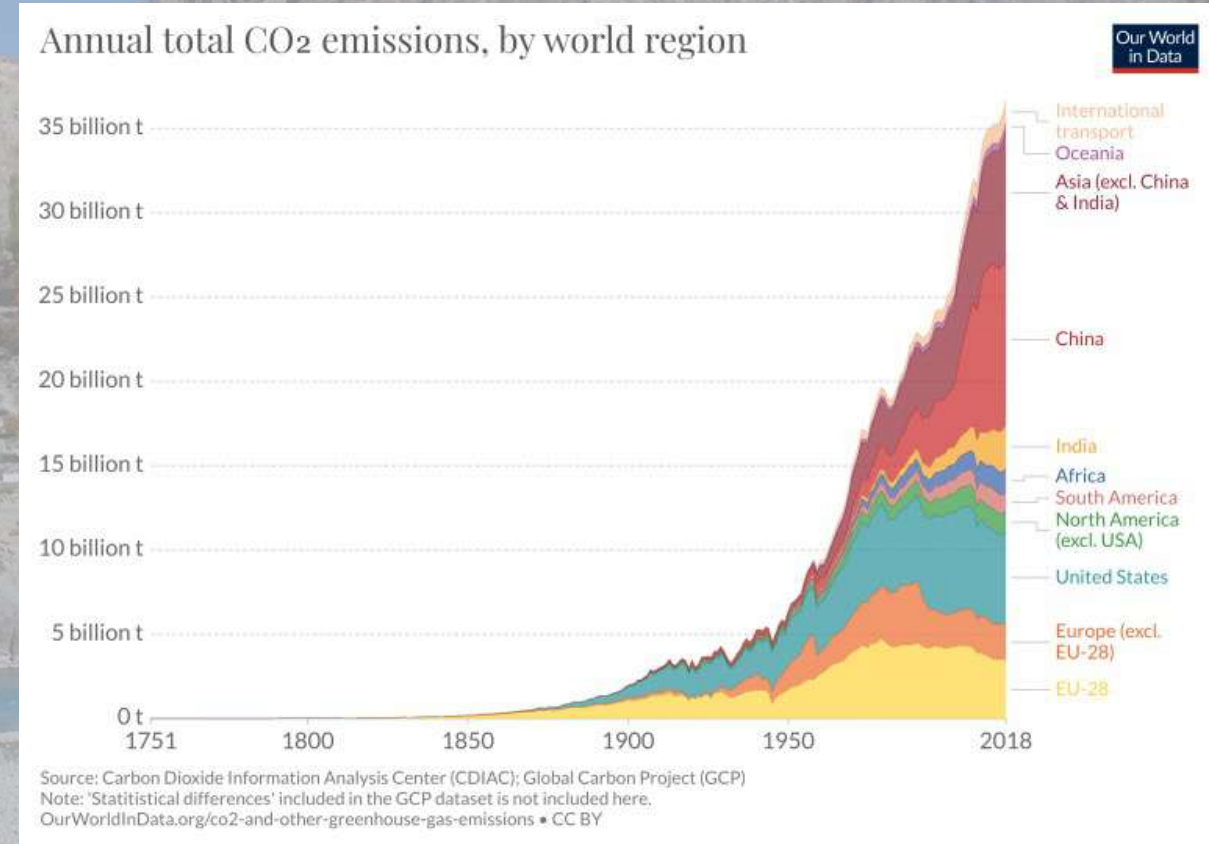
Big emissions cuts still needed to limit warming to 1.5C

Projected greenhouse gas emissions in 2030, gigatonnes



What is Carbon Emissions?

- CO₂ is one of the greenhouse gases that absorbs radiation and prevents heat from escaping our atmosphere.
- By increasing the amount of CO₂ in the atmosphere, we are increasing the heat that is prevented from escaping.
- This excess heat creates disrupted weather patterns, higher global temperature averages, and other changes in the climate.





FLOODS AND IRREGULAR RAINFALL PATTERNS



CYCLONES AND HURRICANES



FOREST FIRES



DROUGHTS



04:40

Himalayan village split in two by climate change



photo: William O. Field



photo: Bruce F. Molnia

Muir Glacier, Alaska: August 13, 1941 and August 31, 2004



CLIMATE 365

climate365.tumblr.com | go.nasa.gov/climate365

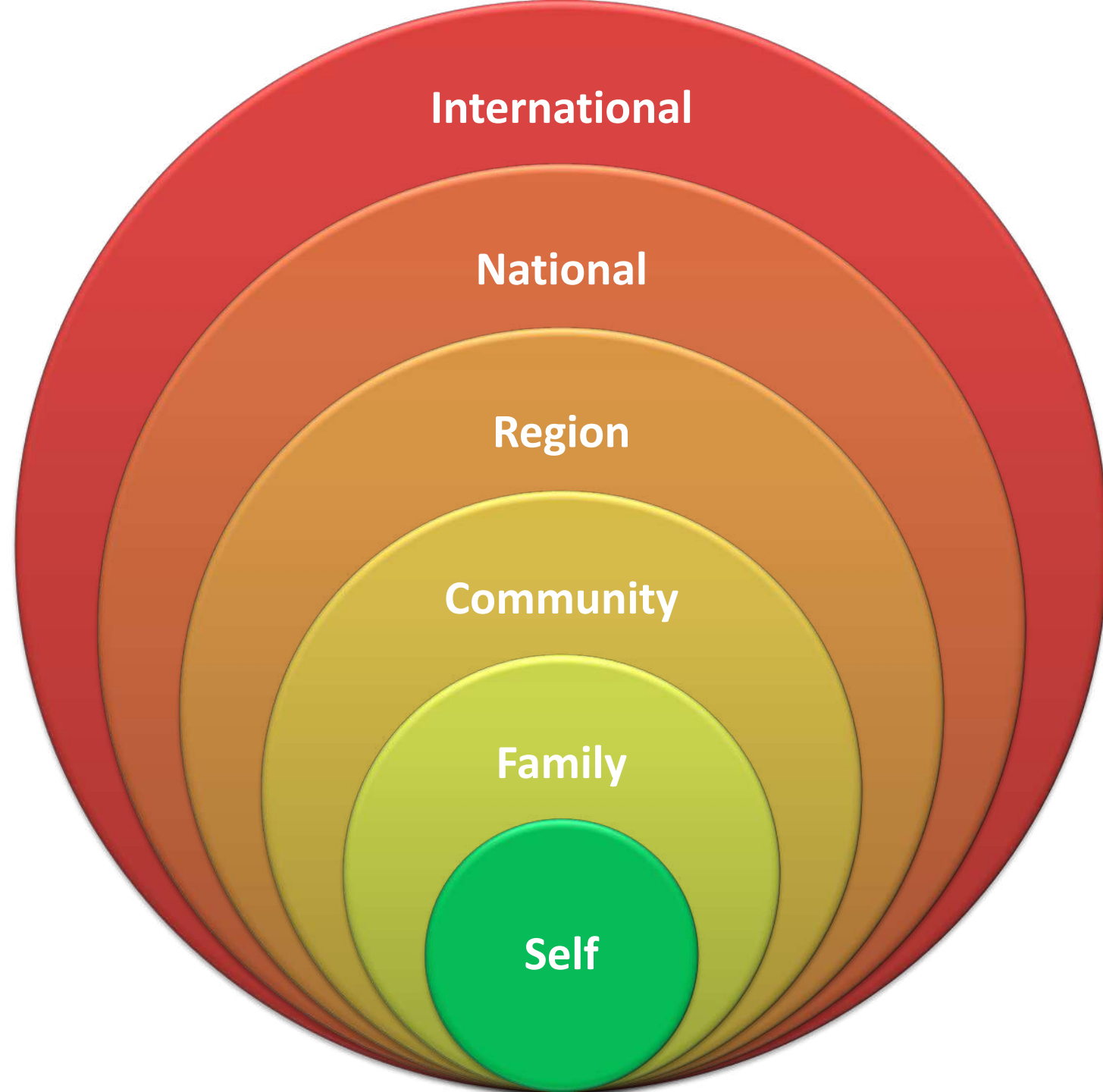
- 
- A scenic view of an Antarctic coastline. In the foreground, a large, fluffy snowdrift is partially covered by several penguins. Some penguins are standing on the snow, while others are on a rocky outcrop to the right. The middle ground shows a calm blue bay with several large, jagged icebergs floating in the water. In the background, a range of snow-capped mountains rises under a pale, overcast sky. The overall atmosphere is cold and serene.
- ✓ **CLIMATE ACTION IS THE BIGGEST LEVELER**
 - ✓ **IT DOES NOT SEE INDIA OR SWITZERLAND**
 - ✓ **IT DOES NOT SEE BIG OR SMALL**
 - ✓ **IT'S A GLOBAL CHALLENGE**



Be the change
you wish to see
in the world

**EVERYONE HERE
IS A LEADER
& WE NEED
COLLECTIVE
ACTION**





VUCA BECOMES VUCA

Volatile

Vision

Uncertain

Understanding

Complex

Clarity

Ambiguity

Adaptability



How can we Leverage Technology Further?



**Leveraging AI and
Blockchain to enable
funding access**

**5G Platform
Connectivity for Digital
Health Access**

**Empowering
Communities with the
right data and
protection**



Work

Assets

Family

Health

Planet

PLEASE

LEAVE

NOTHING

BUT

YOUR





**GHE IMPACT
VENTURES**

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