

21-07-2023

Dear Climate Leader,

Congratulations! Your university/institute is now officially part of a National Movement of Net Zero university campus. Thank you for confirming it through the Google form. Recognised as U75, this movement of Carbon Neutral Campus is being launched on the occasion of the 75th Anniversary of India's Independence -*Azadi ka Amrit Mahotsav*. The movement is inspired by our **Hon'ble Prime Minister Narendra Modi's Mission LIFE and his declaration of making India Net-Zero.**

Indeed the Net-Zero target, as per the Paris Climate Agreement, is now urgent and your endeavour would be a nationwide skill-building exercise to make youth climate-ready to achieve the global goal.

Our mentors, Eric Solheim, former Under Secretary General of the United Nations, former Minister of Environment, Norway and Prakash-Ji Javadekar, MP, former Minister of Education have appreciated your Net-Zero ambition. **AICTE, UGC, NBA and Niti Aayog** are now well aware of the movement of U75. Green TERRE Foundation, a Not-for-Profit organisation along with its partners and associates would stand with you to enable you to realise the carbon neutrality in your campus.

The action begins NOW! The next step is to draft an action plan for Net-Zero. We request you to :

- Nominate one faculty-focal point and one student-focal point to attend the regional meet that would be addressed by the mentors and guided by the experts from the Ministry of Energy, UNDP, UNEP, UNESCO and IT (digital technology). The regional meet would be the first step towards drafting the realistic roadmap towards Net zero.
- Study the start-up booklet attached to get ready for action.
- Start compiling your initiatives already in place on the campus that contribute to emission reduction including energy efficiency, renewable energy, water conservation, waste minimization and electrical mobility.

I would like to emphasize that transforming your campus to Net-Zero is a unique initiative with participative management. The world's top-class expertise, tools and digital tools and creative practices would be available to you to strengthen your institute's innovative potential.

We will soon be informing you of the dates for the regional meeting with logistic arrangements.

My Warm Regards,



Dr Rajendra Shende,
Founder Director, Green TERRE Foundation
Former Director, UNEP

Contact : Durga Kamat, Project Coordinator - 8928418360

Not Zero-Net Zero

Pledge for Carbon Neutrality



FIRST BABY STEPS FOR BOLD FUTURE

A SIMPLE GUIDE FOR MAKING CAMPUS OF
EDUCATIONAL INSTITUTES 'CARBON NEUTRAL'

More than 100 countries are championing the cause.

They have pledged carbon neutrality by year ranging from 2030 to 2070.



ACT NOW!

GLOBAL COALITION OF EDUCATION INSTITUTES:

SMART CAMPUS CLOUD NETWORK

SCCNHUB.COM



*By the year 2070,
India will achieve the target of Net Zero*

- H.E. Narendra Modi

Hon'ble Prime Minister of India





EMISSIONS

-



REDUCTION

-



OFFSETS

=



NEUTRALITY

COMMON SOURCES OF UNIVERSITY GREENHOUSE GAS EMISSIONS

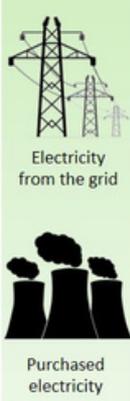
SF₆ CH₄ N₂O CO₂ HFCs PFCs

SCOPE 1



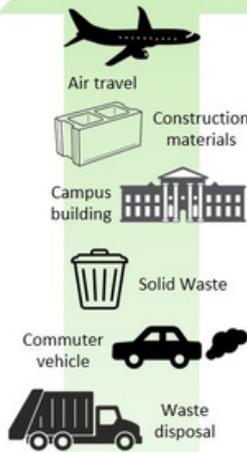
Direct Emissions

SCOPE 2



Indirect Emissions-Use of Electricity

SCOPE 3



Indirect Emissions-Use of fossil-fuels

WHAT IS CARBON NEUTRALITY?

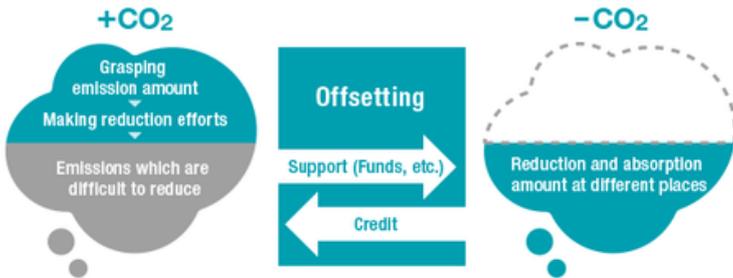
INTRODUCTION

Climate change is a planetary crisis, caused primarily by the emission of human-induced greenhouse gases, mainly carbon dioxide released from burning fossil fuels like oil, coal, and gas. It results in global warming.

CO₂ emissions need to fall to zero or net-zero by around mid-century to limit global warming to 2 deg C by end of this century. The longer it takes to do so, the more will be global warming.

Carbon neutrality refers to achieving net-zero carbon dioxide emissions by balancing human-induced carbon dioxide emissions with removal (often through carbon offsetting or carbon sink) and/or simply eliminating anthropogenic carbon dioxide emissions over a specified period.

A **carbon offset** or **Carbon Sink** is a reduction in emissions of carbon dioxide or other greenhouse gases made to compensate for ("offset") an emission made elsewhere or by creating a sink e.g. Tree Plantation.



WHY EDUCATIONAL INSTITUTES ?

The campuses of educational institutes are the spaces where students' minds get moulded, and their ambitions are shaped. Emission reductions and offsetting the residual emissions if practised on the campus would serve as Campus Determined Contributions for reducing global warming. This would trigger actionable awareness. More than that, it would be the skill development for students towards a carbon-neutral future.

Green TERRE Foundation, in collaboration with **UNESCO, AICTE and EESL**, on **12 December 2021**, launched the campaign Not Zero-Net Zero, a pledge for Carbon Neutrality for educational institutes. From 12 pledges on opening day, the number of institutes has grown to nearly 250+. It has become a mass movement on carbon neutrality.



ROAD MAP FOR CARBON NEUTRALITY

ESTABLISH

The first step is to establish a core group or a carbon team to undertake proactive actions in the university campus

IDENTIFY

The next step is to identify all the direct & indirect sources of CO₂ emissions of the Educational campus.

CALCULATE

Measure the CO₂ emissions based on accurate and complete raw data. It will give the carbon footprint of the campus.

PRIORITIZE

After understanding the carbon footprint, start implementing a Carbon Reduction Plan through prioritization. (Easy First)

REDUCE

Identify opportunities and implement CO₂ emission reduction activities in the campus. (Energy Efficiency)

OFFSET

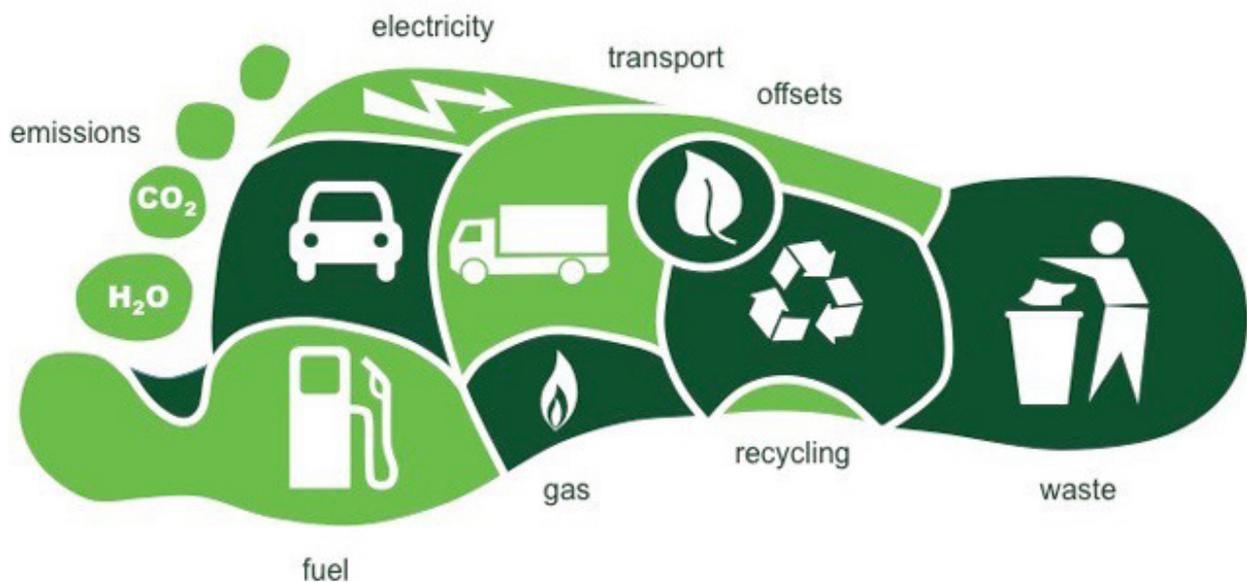
Any remaining CO₂ emissions should be offset by purchasing certified carbon credits or creating a sink (Tree Plantation)

DOCUMENT

Document and Validate all Carbon Neutral standards require a standard-compliant declaration of achievement of neutrality.

SUSTAIN

Device monitoring structure to sustain Carbon Neutrality on the university campus.



STEPS TO REDUCE CAMPUS CO2 EMISSIONS



1

Educate, Engage, and Encourage:

- Form a group of students to map out the Carbon Neutral Campus.
- Conduct an Energy and Carbon Audit.
- Educate students and staff on the harmful effects of GHG emissions and approaches to reduce them.
- Engage students and staff in moving to a greener lifestyle.
- Encourage carbon footprint reduction with incentives such as a monthly contest.



2

Choose Energy-Efficient Appliances:

- Prepare instructions and advice for energy-saving behaviour.
- Aim to replace old appliances with energy-efficient alternatives.
- Purchase BEE - Energy Star label appliances.
- Take advantage of natural light as much as possible to save energy.



3

Switch to Low-Carbon Energy provider:

- Sign up to get electricity from clean energy through a local utility or a certified renewable energy provider.
- Invest in On-Site clean energy or Off-Site large scale renewable energy.
- Consider Waste-to-Energy Project. (Bio-gas)



4

Travel Less and Wisely:

- Choose for train travel over plane travel.
- Choose a holiday destination closer to home.
- Coordinate carpooling between employees.
- Replace unnecessary air travel with virtual meetings and online training sessions.



5

Consider Alternative Mode of Transport:

- Ride a bike to work (also helps to improve health).
- Choose public transport or switch to an electric or hybrid vehicle.
- Work from home if able to do so.



6

Use Less Water: (This will save energy needed for pumping)

- Use low-flow water fixtures.
- Turn off the taps to avoid water running.
- Adopt rainwater harvesting techniques.
- Monitor the water consumption and any leakages.



7

Eating more Plant-based Food:

- Giving up meat for one day of the week.
- Replacing one meal a day with a plant-based option.
- Aim to eat things that are as low as possible on the food chain.
- Grow vegetables and fruits in the garden.



8

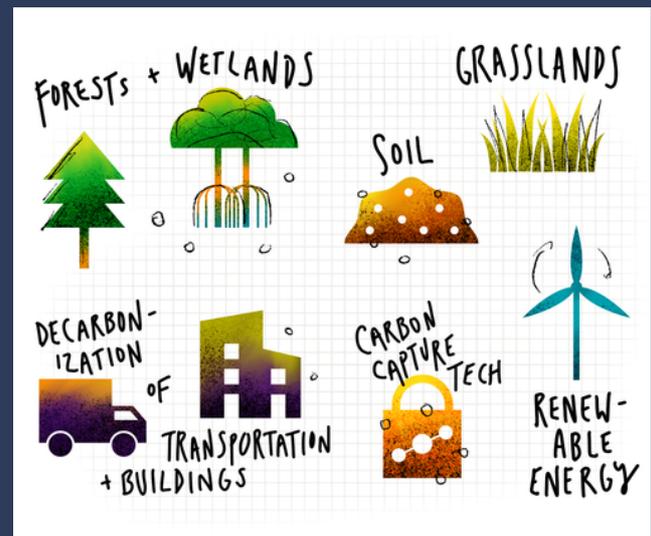
Rethink Consumption Patterns:

- Buy clothing from companies that are eco-friendly and/or organically certified.
- Consider buying second-hand clothes or joining a clothing swap group.
- Practise consumption patterns that emit minimal CO2.

CARBON OFFSETS & CARBON SINKS

Reducing emissions should be a priority before considering offset & Sink to achieve Carbon Neutrality. Carbon offset schemes allow institutions to invest in environmental projects around the world in order to balance out their own carbon footprints.

- Sustainable reforestation and restoring existing forest areas and biodiversity.
- Developing new sources of income for rural communities.
- Investing in agricultural activities that store carbon in soils.
- Investing in landfill projects that convert waste into clean fuel.
- Investing in Renewable Energy projects and Renewable Energy Credits.
- Tree Plantation in Urban areas, supporting urban forests.



SCCN HELPS YOU TO MAKE YOUR CAMPUS CARBON NEUTRAL

- Register your campus with sccnhub.com
- Take a carbon neutrality pledge: **Not Zero - Net Zero**. The campus is awarded a certificate.
- Form a **core group** or **carbon team** and send us a success story
- Refer to **SCCN tool-kit**, **Carbon Neutral Campus guidelines**
- Consult the SCCN team to initiate a **baseline survey** on your campus. SCCN has also developed a **Carbon Calculator** for campuses to calculate CO2 emissions.
- Set Campus **target** to achieve Carbon Neutrality.
- SCCN connects you to other stakeholders for **guidance and implementation** to achieve Net - Zero Targets.
- Document the success story and share it on the SCCN **Cloud Dashboard**.



5th Industrial Revolution digitally Interlinked man and machine.

6th Industrial Revolution would Creatively Delink Life on Earth from Excess Carbon Emissions.

Youth need to Relink our Planet to build Carbon Neutrality.

- Dr Rajendra Shende, Founder Director, Green TERRE Foundation
Prime Mover, SCCN | Former Director, UNEP





Smart Campus Cloud Network

The Hub That Connects Students, Faculties & Universities



ABOUT SCCN

SCCN, an abbreviation for Smart Campus Cloud Network, is one of the flagship projects of the Green TERRE Foundation. It is a global network of educational campuses of schools, colleges, institutes and universities committed to making a tangible contribution to the United Nations (UN) Sustainable Development Goals (SDGs). SCCN is strongly supported by UNESCO-Paris and, University Grants Commission, AICTE and the Ministry of Human Resource Development-India

Want to make your Campus Carbon Neutral?
Drop us a mail at sccn.team@gmail.com



unesco

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**NOT ZERO
NET ZERO**

**CARBON NEUTRAL
CAMPUS GUIDELINES**

Ride on Smart Campus Cloud Network

HERE IS HOW...

The graphic features a large green circular brushstroke containing several icons: a lightbulb with a leaf inside, a tree silhouette, a savanna scene with animals, a chicken, a cow, a pig, a fish, a bicycle, a water drop, a recycling symbol, a city skyline, and a footprint.





Smart Campus Cloud Network

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