



EkoCalendar 2022



Dear Colleagues

The past two years of COVID-19 pandemic have taught us to adjust to the new normal but with a lot of suffering and disruptions to our personal lives and livelihoods. We do hope that we will tide over by staying together and supporting each other. For the last two decades however we are realizing the immense challenges and a looming threat due to impact of climate change. Indeed, we have very good reasons to take immediate, sustained and collaborative actions to safeguard our planet and us, on a scale never before.

Although COVID-19 is likely the biggest global crisis since the second world war, it is still dwarfed when compared to the long-term risks posed by climate change. Unfortunately, not so many see that climate change is a much bigger threat that is coming and is setting its stage. The irony is that we know it is coming but we seem to be still not convinced enough to act and be prepared for it.

At 2021 United Nations Conference of Parties (COP 26), Nations adopted the Glasgow Climate Pact, aiming to turn the 2020s into a decade of climate action and support. The outcome consisted of a range of agreed actions to curb greenhouse gas emissions and to provide the necessary finance. But will the promises made and the targets set be honoured?

Let us therefore play our part on climate action and contribute in different ways - big and small - to safeguard our future. In this year's EkoCalendar, we take you through some of the key strategies that we could consider. We hope these ideas will motivate you to be the change and inspire others around you to follow.

We wish you a very happy, healthy, and a low carbon 2022.

With compliments from,

Dr Prasad Modak and Team EMC LLP -Ekonnect

When you think about practising sustainability, talk to us.

Illustrations by Manish Rangnekar





Global Warming

Since the pre-industrial period, human activities are estimated to have increased Earth's global average temperature by about 1 degree Celsius, a number that is currently increasing by 0.2 degrees Celsius per decade.

Since the beginning of the industrial era (1850), human activities have raised atmospheric concentrations of CO₂ by nearly 49%.



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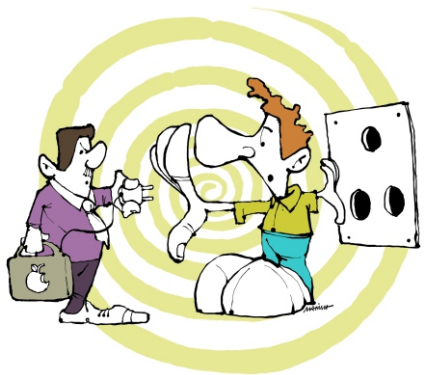
January

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04 - EMC turns 26

05 - National Bird Day

31 - International Zebra Day



Reduce Electricity Consumption

- Choose LED bulbs
- Unplug idle electronics
- Turn off the lights when not required
- Clean or replace air filters in air-conditioners regularly
- Do full loads of washing machines and dishwashers
- Invest in energy-efficient appliances

Reduce GHG emissions and save money



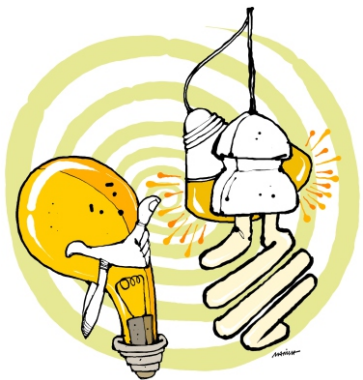
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February

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02 - World Wetland Day
27 - International Polar Bear Day



Energy Efficiency

Energy efficiency refers to using less energy to provide an energy service. Improving the energy efficiency has the potential to significantly reduce GHG emissions.

Government of India enacted the Energy Conservation Act, 2001 and established the Bureau of Energy Efficiency in March, 2002. The Bureau initiated the Standards and Labeling programme in 2006 to provide the consumer an informed choice and effectively help in reducing GHG emissions.



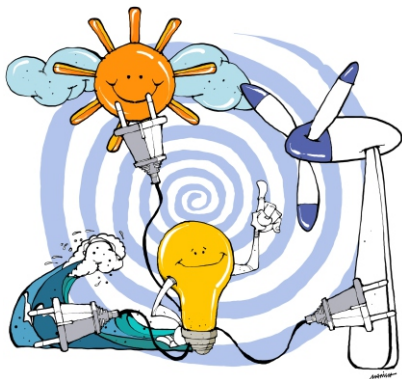
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March

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03 - World Wildlife Day
 18 - Global Recycling Day
 21 - International Day of Forest
 22 - World Water and Sanitation Day
 26 - Earth Hour



Renewable Energy

Renewable energy is generated from sources such as sunlight, wind, rain, tides, waves, and geothermal heat.

Prime Minister of India made two significant announcements at the climate summit in Glasgow (COP26):

- India will get its non-fossil energy capacity to 500 gigawatt by 2030
- The country will meet 50% of its energy requirements from renewable energy by 2030.



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April

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07 - World Health Day

18 - World Heritage Day

22 - Earth Day

28 - World Day for Safety and Health at Work



NetZero Buildings

A NetZero Building has net zero energy consumption, meaning the total amount of energy used by the building on an annual basis is equal to the amount of renewable energy created on the site.

The Indira Paryavaran Bhavan in Delhi is one of the first buildings in India to have deployed energy efficiency and renewable energy technologies at a large scale.



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May

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08 - World Migratory Bird Day, 8 May

20 - World Bee Day, 20 May

22 - International Day for Biological Diversity, 22 May



Clean Fuels

Clean fuels produce much lower GHG emissions than traditional fuels on a life-cycle basis. There are many types of clean fuels, including biofuels such as cellulosic ethanol, renewable diesel, synthetic fuels and sustainable aviation fuel, as well as gaseous fuels such as green hydrogen and renewable natural gas.

Government of India announced in August 2021, the nation's ambitions to become a global hub for green hydrogen production and export.



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June

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03 - World Bicycle Day

05 - World Environment Day

08 - World Oceans Day

15 - Global Wind Day

17 - World Day to Combat Desertification and Drought



Sustainable Transport

Sustainable Transport refers to any means of transport that has low impact on the environment.

Examples of sustainable transport include walking, cycling, public transit, carpooling and *green* vehicles.

Oddly, transport was not identified as a distinct sustainability goal, even if it accounts for about a quarter of global carbon dioxide emissions!



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July

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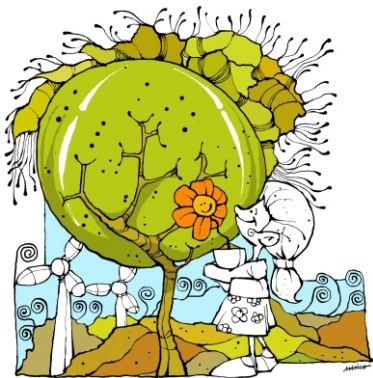
03 - International Plastic Bag Free Day

11 - World Population Day

26 - International Day for the Conservation of the Mangrove Ecosystem

28 - World Nature Conservation Day

29 - International Tiger Day



Low Carbon Living

Adopting to low carbon living may be considered as a small step or something impossible for many of us. But what is needed is a commitment to bring in the desired behavioural change in the society.

Taming the greed to cut down unnecessary consumption and opting for reuse, refurbish and recycle may be considered as the pillars for low carbon living. Like you will check your body temperature, keep checking carbon footprint of your lifestyle and keep improving.



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August

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09 - International Day of the World's Indigenous People

12 - World Elephant Day

20 - Renewable Energy Day

20 - World Mosquito Day



Climate Smart Agriculture

Climate Smart Agriculture involves agriculture based practices that have the potential to sustainably achieve food security, increase resilience of farmers and farming systems to adapt to climate change.

Department of Agriculture, Government of Maharashtra rolled out Project on Climate Resilient Agriculture (PoCRA). The Project aims to enhance climate resilience and profitability of 700,000 small and 10,00,000 marginal farmers in 5000 villages.



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September

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07 - International Day of Clear Air for Blue Skies

16 - World Ozone Day

22 - World Car Free Day

26 - World Environmental Health Day

28 - Green Consumers Day



Carbon Sequestration

Carbon sequestration is the process of capturing and storing atmospheric carbon dioxide. It is one method of reducing the amount of carbon dioxide in the atmosphere with the goal of reducing global warming.

Government of India has made a commitment to restore 26 million hectares of degraded land by 2030 through afforestation. This is estimated to contribute to additional 2 billion tonnes of carbon sequestration.



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October

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04 - Animal Welfare Day, 4 October

06 - World Wildlife Day, 6 October

24 - International Day of Climate Action, 24 October

31 - World Cities Day, 31 October



Climate Vulnerability

Vulnerability is the degree to which a system is susceptible to, or unable to cope with, due to adverse effects of climate change.

The climate variability and extremes make cities, infrastructure, coastal areas and agriculture vulnerable causing economic damage, social disruptions and environmental stress including loss in biodiversity.

Council on Energy, Environment and Water prepared India's first-of-its-kind district-level climate vulnerability assessment for planning adaptation measures.



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November

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06 - International Day for Preventing the Exploitation of the Environment in War and Armed Conflict

12 - World Birds Day

14 - World Energy Conservation Day



Just Transition

In the process of decarbonization, we expect to see transformation in the energy, transport and agricultural sector where millions of workers and small businesses will be impacted.

During COP26 in Glasgow, more than 30 nations, including core coal producing countries, signed a Declaration on Just Transition.

This Declaration will help ensure that no one is disadvantaged by the transition to low carbon economies.



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December

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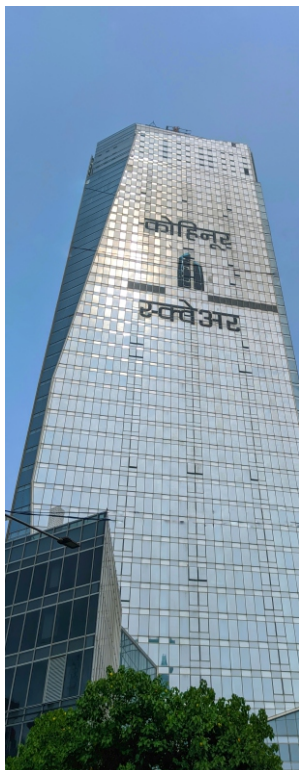
02 - National Pollution Prevention Day

05 - World Soil Day

14 - National Energy Conservation Day



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Meet us at

1308, Wing B, Kohinoor Square, N. C. Kelkar Road, Shivaji Park, Dadar (West), Mumbai 400 028

Environmental Management Centre (EMC) LLP

Environmental Management Centre LLP (EMC) is a strategic management consulting company established by Dr Prasad Modak in 1996. Over the past 25 years, the organization has positioned itself as a niche player in environmental management consulting on a global basis. EMC has conceived, developed, and executed several national, regional, and international assignments that have set several "firsts." Many have stimulated action leading to policy reforms, sustainable investments, and long term capacity building

Visit www.emcentre.com to know more.

Ekonnect Knowledge Foundation (Ekonnect)

Established in 2012, Ekonnect is a Section 8 not-for-profit company offering awareness, training, and education programs in the domains of environmental management and sustainability. Ekonnect engages in practice research, operates knowledge and innovation networks and facilitates eco-entrepreneurship. Ekonnect also undertakes action-based projects with community-orientation to catalyse innovations and foster greener investments. This year Ekonnect celebrates its 10 years!

Visit www.ekonnect.net to know more.

