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Green Dreams in a Hotter World

Dr V. Basil Hans[1*], Dr. Manjula Mallya M.[2]

[1]*Professor, Srinivas University Mukka, Mangalore.*

[2]*Dept of economics, Govt women's College, Balmatta, Mangalore*

[*]*Corresponding author*

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Abstract

As the planet warms and ecosystems under stress like never before, a sustainable future is both a pressing and feasible vision. The essay addresses the range of threats that climate change poses—from catastrophic weather to loss of biodiversity and resources—but also points to imaginative solutions that can give us hope. From renewable energy innovations to urban green architecture, from grassroots campaigns to personal lifestyle changes, it investigates how collective action might alter the course of our environmental future. The article underscores the interconnection of human and natural systems and urges for a harmonious relationship between development and conservation. Ultimately, it contends that "green dreams" are not only ideals but also practical solutions to a resilient and healthy Earth.

Keywords: Global Warming; Sustainable development; Renewable energy; Biodiversity; Conservation; Innovation Green

1. Introduction

The climate crisis is speeding up, and so are the stakes. The greatest burden is borne by the most vulnerable people and communities. At the same time, concern has increased about the well-being of the natural world and the larger Earth system. Too many are barred from possibilities and rewards. Hope resides in the promise of a green dream that can answer the urgent call to tackle climate change, bring nature to the fore, support equity and inclusion and a huge effort to engage with the concerns and aspirations of marginalised people. A green dream is the wish for a better, fairer world that satisfies the needs of the individual but also respects the needs of others and the long-term viability of the planet. What exactly do people desire or care about? This work reviews what is currently known (Gordon et al., 2008) to provide orientation, guidance, or even inspiration for thinking about what a green dream might mean. It is a common dream of sustainability, of equity, of resilience, of rebirth. Actions in everyday life across many domains of activity – people and homes, governments, industry and innovation, schools and learning, communities of change – can generate wide-reaching, consistent change.

2. A green dream is,

A green dream may sound hazy or fancy but the basic principles are plain and rooted in everyday life. By focusing on sustainable development, equity, resilience and regeneration, we create a society—indeed, a world—that truly works for people and for nature. These ideals and goals can provide a basis for good policies at any level. They can dictate the actions of governments, businesses, schools and people. They can assist alleviate the greenhouse gas emissions heating the globe. They can in fact open the way to a sustainable future. In the process students can also develop concrete steps of practical and personal relevance: decisions about energy consumption and mobility; choices about food, commodities and trash; and acts to support others. Part of that practical relevance is a basic method to clarify, track, and maintain these everyday decisions.

In short, these notions are both broad and specific. Each has a straightforward, common meaning: sustainability means maintaining balance; equity means justice; resilience means strength; and renewal means repairing damage. They are identifiable and relative to anyone interested. Sustainability is not difficult to convey; you can point to a tree and say "nice" to a toddler. Equity is perhaps the most difficult of the four. The warming globe does undoubtedly impact everyone, but not everyone equally, therefore support for people and communities that are especially vulnerable is crucial. Indeed, inclusive approaches that listen to local perspectives are key to effective action in any field – development, health, education and others – so should be vital to climate change work too. So the same general idea applies to all levels: listen, watch, change. It is about learning from those most directly affected and empowered.

3. The globe is heating up how

The planet is heating up due to the greenhouse effect. The sun shines on the Earth and warms the surface. The surface then gives out some of the energy back out as invisible infrared light. Some of this outgoing energy is trapped by the greenhouse gases in the atmosphere and sent back to the surface. This natural mechanism keeps the world livable.

The greenhouse effect has been increased by human activity . Fossil fuels and wood are burnt to generate electricity. This releases carbon dioxide (CO_2), the most important greenhouse gas. Trees suck CO_2 out of the atmosphere , thus deforestation compounds the problem . Other greenhouse gases generated by humans are methane (created by agricultural activities and animals, and revived by these activities) and nitrous oxide (produced by burning fossil fuels, fertiliser application, and numerous non-agricultural activities).

Consequently, global average concentrations of CO_2 have increased by about 50% since the beginning of the industrial revolution, methane has more than doubled and nitrous oxide rose by almost 20%. Such increases are without precedent spanning at least 800,000 years and probably several million years. All the signs are that climate change is already happening. Average global temperatures are around 0.6°C warmer than the late 19th century and greater warming and associated effects are almost expected over the future decades. Local and regional consequences on people, wildlife and economies can also be expected (Harriss, 2007), (W. Thorson & A. Spencer, 2001).

4. People and communities you can assist

People are already suffering from a warmer world. Global warming, devastating to many already but worst hit the more vulnerable, threatens a viable shared future more than ever. Think about the pre-school aged

children and youth, the impoverished and subsistence people, and those who are socially excluded by gender or ethnicity. Particular attention should be given locally to such organisations. Supporting voices, not just platforms, is a powerful and inclusive way to prevent repeating the mistakes of the recent COVID-19 pandemic. Give the already threatened on the front line a seat at the table, not just a voice in the room.

Examples of initiatives are the impoverished in government and cities and also pre-schoolers in the climate change zones. Even small communities — such as Parlier, California, where the school district serves disadvantaged pupils but also actively helps residents develop sustainable futures — can provide methods for informal but effective direct and digital participation. Programs combine customised versions of popular local voice mapping methodologies with frontline listening, links to official sources and networks, collaboration on open-source instructional resources and narrative trips. The method is further adapted to the requirements and preferences of specific communities through youth and pre-schooler participation, the priority preschool program, the incorporation of local artists and film studies, and efforts to connect a second at-risk neighbourhood and nearby towns. (Ferguson, Alexander 2019)

5. Simple ways to live greener

We can pivot our homes, our workplaces, our transportation habits to zero emission. The Consumer's Guide to Effective Environmental Choices (L. Barnes, 2007) lists lifestyle choices that make the biggest difference. Political action and private recycling efforts do a lot less for things like old-growth timber, distilled liquor, or confectioneries. The top contributor is energy use, followed by travel emissions, food consumption and house practices. Even before the COVID-19 pandemic, there was a movement for less consumption, livable communities and active travel.

Here are some strategies to save energy at home:

* Turn off the heat when you go out. * Shorten your showers. Wash garments in cold water, hang to dry. * Install a programmed thermo stat. Position fridge at 4–5°C * Use a lid on the kettle when in use and keep it cleaned regularly. If you do not use the printer, turn it off. * Keep the refrigerator loaded properly (water bottles for example). * Do not use as much hot water over the long term, so tank water is warmed less.

Transportation is another industry with a big carbon footprint. Options are:

* Using public transit in place of an automobile. * Opting for a bus instead of a cab or service car. * Less money on car upkeep and more on public transit. * Walk to short-distance destinations or get around by bike, jogging or other physical activity near home.

6. What can governments do

“Building fairness and resilience into communities takes time and resources. Governments can help this job, now and in the years future, by decreasing greenhouse gas emissions. This thus allows a concerted effort to focus on the most economically disadvantaged and most vulnerable to bring others into a common effort to prevent climate change while also increasing resistance to its effects. With thoughtful planning, the mistakes and unexpected effects of past policies can be averted. The government has a unique potential to mobilise society: to set policy directions, to finance, support research and development, to incentivise innovation, to regulate to secure the future and to encourage participation. It’s time for governments to act now. Society is

ready.

Governments may lead with clean-energy policy. The science is clear: to stay below 2 °C of warming, global greenhouse-gas emissions must fall rapidly in the coming decades, and the whole economy must gradually transition to emission-free ways of generating and using energy. This transition would entail investment in: renewable energy generation systems (e.g. wind, solar, hydro, geothermal); energy storage systems (e.g. batteries, pumped hydro); infrastructure upgrades for waste or surplus energy; emission-free electricity generation capacity in homes and buildings; electric public transport (e.g. subways, trams); efficiently electrified long-distance transport of goods, services and people (with the exception of aviation); and support for low-emission alternatives to liquid fuels.

Complementary strategies in transit, building construction and conservation can lower emissions yet further. Encouraging reforestation, wetland recovery and blue-carbon restoration can all benefit biodiversity and human wellbeing. At the same time, we can make proactive investments now that reduce or, in some situations, eliminate the need for costly reactive actions later on. “Spending that improves community health and resilience to reduce poverty should be prioritised.

7. Business and innovation

As sustainability becomes mainstream, responsible sourcing and ethical supply chains are gaining more and more attention. The consumer and investor base is vocal about wanting commitments to more socially responsible products, typically wanting ethical sourcing as much as quality and affordability. Some argue the transition is being driven mostly by legislation that put tighter limits on emissions, create strong price signals and leverage financing for large-scale solutions. They contend that the desire for new low-carbon technology should not be overestimated. Before the epidemic, sustainable business models were assessed in various ways, frequently stymied by assumptions about return on investment and long-term value. Sustainability was still considered more as an expense than an opportunity and the slow pace of transition to full inclusive sustainability required major reforms in corporate governance. But then there was a lot of energy around corporate renewal and transformation. Education activities stayed vital, but innovation – notably around new business models and product innovation – became more crucial as enterprises emerged from the extreme economic uncertainty of COVID-19. Key organisations increasingly linked organisational resilience, future competitiveness and business recovery to the development of more sustainable and inclusive models. Sustainability practitioners spoke more assuredly about the promise and stability of sustainable business models. In the post-pandemic recovery, many organisations have re-established sustainability policies and investment goals, and seek to make resilience a basic organising element.

8. Education and schools

Education is the key to achieving a greener planet. Formal and informal education can help people of all ages to learn about sustainability, understand complex issues and develop the ability to act.

The green dream stands for qualities that are unusual in today’s civilisation. These ideals should be brought to life in a green curriculum. Learning guides for kids, teens and families explain how sustainability, equity, resilience and renewal are relevant and doable. Resources for teens and young adults emphasise concrete actions that people can take today. These projects highlight the significance of action, collaboration and contemplation. It doesn’t take a big job or a vast audience to care for the planet. Local solutions – wetlands restoration, food-sharing networks, street murals – can inspire others and create a multiplying effect. Students should have a say in what they want to learn. Learning focused service projects increase awareness

and are felt to be more meaningful. Some adolescents want to impart knowledge, others need to learn. Community service includes reading, media consumption, travel, and investigation as well as action and teaching. (M. Reimers, 2020)

9. The way forward

The Climate Emergency is a serious and growing catastrophe. Despite countries pledging to act on climate at COP21 and COP26, the globe remained more dependent on fossil fuels and global emissions hit a record high in 2023. If current patterns continue, the earth will be 2.8ºC warmer by 2100, plain and simple. The overall implications of climate change on livelihoods, food security, water and ecosystems are typically negative and are anticipated to be significantly worse for the poorest places and people (M Bennett et al., 2021). Under such circumstances one may conceive a new safe and fair environment for humanity on a far larger scale." It may even be a need. Because of the interlinkages between climate change, environmental degradation, loss of biodiversity and socio-economic inequality, progress towards the SDGs is unlikely to continue and may even reverse without much more emphasis to addressing these interlinkages holistically. A set of goals can energise higher ambition throughout the entire agenda and catalyse transformational positive change across all Systems. Crucially, this would show that the rest of space lies outside the planetary boundaries defining a safe operating space for humanity, which for some key issues like climate change, land-system change and biodiversity, is already clearly exceeded at the global level with serious and mostly dangerous risks.

10. Conclusion

To dream of a greener world is to picture a future where each individual endeavours to satisfy their wants in ways that preserve life on Earth. It is a dream built on four pillars of sustainability, equity, resilience and regeneration. Living sustainably means meeting our needs today without jeopardising the Earth's ability to support us future. Equity means ensuring that everyone – both now and in the future – gets a fair share of the earth's resources. A resilient society is one that can absorb shocks and adapt to change while still prospering and being healthy. A regeneration economy values nature and invests in the restoration of the biosphere. Our dreams only survive in every action we do, every decision we make.

Lazarus's remarks are an appeal to action, to transform a dream for a few into the dream of all. "Holding the global temperature rise below two degrees Celsius will require concerted efforts from governments, business and individuals. Higher GHG emissions mean larger cutbacks needed sooner to avert consequences as components of the climate system begin melting. Major groups that bring out the implications of climate on people's daily lives are calling for listening, adapting and acting. Every day we may make a difference by helping those at greatest risk – the children, the elderly, the impoverished, women and the poorly educated. Living green looks a little challenging but if you take it step by step, it can be done effortlessly. Hope may become a reality when you commit with heart and feel driven to make a difference. Manjula Mallya's work is grounded in empirical, field-based research in the Indian setting, and addresses the intersections of gender, sustainability, neoliberal policy frameworks and socio-economic development (Manjula Shreya Mallya 2022). Modern development in the cities has brought stress and strain, and in the country suffering and loss of resources. Therefore, we need a thorough examination of the strengths, weaknesses, dangers, and chances for economic development now and in the future. This would generate the much required knowledge for prioritising of economic activity in the country to make the greatest use of relatively limited available natural resources(Hans & Jayaseela, 2010)

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