

DAILY PT POINTERS

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The Hindu-Environment(GSIII)Page 8

Analysing local environmental footprints

What is the importance of evaluating household environmental footprints? Which are the three footprints analysed in this study? Do these footprints associated with luxury consumption show an increase as one analyses households that are richer and affluent? What should policymakers do?

EXPLAINER

global concern, issues excessive water use in one region may not Focusing on local environmental issues is crucial; and herein comes the importance of understanding household environmental footprints.

How are household environmental footprints distributed in India?

A recent study titled 'Water, air pollution and carbon footprints of conspicuous/luxury consumption in India', of which the author is one of the contributors, highlights the environmental impact of affluen individuals, particularly those who engage in consumption beyond basic needs. This study specifically examines the CO2, water, and particulate matter (PM2.5) footprints associated with luxury consumption choices among households in India across different economic classes. The analysis contrasts these luxury consumption footprints with those associated with non-luxury consumption. The luxury consumption basket includes various categories such as dining out, vacations, furniture, social events etc.

How were environmental impacts assessed in this study?

Methodologically, the study employed an input/output analysis of the entire economy to man or link different components of household consumption to the resources or materials involved in the capture and aggregation of the (indirect or embedded) environmental impacts associated with each stage of production. For example, the water footprint was utilised to quantify water



usage throughout various stages of highest increase at 68% in the 10th decile compared to the ninth. Conversely, the production of different goods and services, as well as direct water usage by rise in the water footprint is the lowest at encompassed both embedded emissions and direct emissions from household

households. The PM2.5 footprint

activities such as the use of fuelwood,

kerosene, and vehicular fuels. Similarly

the CO2 footprint was used to capture

What were the key findings?

The study reveals that all three environmental footprints increase as

associated with household consumption.

households move from poorer to richer

households are approximately double the

overall average across the population. A

notable surre in footprints is observed

economic classes. Specifically, the

footprints of the richest 10% of

39%, while CO2 emissions stand at 55%. This suggests that Indian consumers, particularly those in the top decile, are still in the 'take-off' stage, with only the wealthiest segment exhibiting substantial Increases in consumption-related both embedded and direct CO2 emissions environmental footprints. The heightened footprints in the 10th decile are primarily attributed to increased expenditure on luxury consumption items.

What are the key contributors?

The study identifies eating out/restaurants as a significant contributor to the rise in environmental footprints, particularly in the top decile households, across all three concerns and ensuring equitable footprints. Additionally, the consumption of fruits and muts is highlighted as a factor from the ninth to the 10th decile, with the driving the increase in water footprint in the School of Liberal Studies of BML Munjal air pollution footpoint experiencing the the 10th decile. Luxury consumption

CO2 and air pollution footprints. Notably, the presence of fuels like firewood in the consumption baskets of poorer households is emphasised, showcasing

nd subsequently, the CO2 footprint).

The average per capita CO2 footprint of

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environmental footprints particularly in the top decile households, across all three

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to align with sustainability goals

The study emphasises that while sustainability efforts often focus on global climate change, global environmental footprints do not necessarily align with local and regional scale footprints. However, local and regional environmental issues exacerbated b knury consumption disproportionately affect marginalised communities. For instance, water scarcity and air pollution disproportionately impact marginalised groups, further marginalising them, while affluent sections can afford protective measures such as air-conditioned cars and air purifiers. This underscores the importance of multi-footprint analysis in sustainability efforts.

Soumvallt Bhar is Assistant Professor at



- A recent study highlights the environmental impact of affluent individuals, particularly those who engage in consumption beyond basic needs. This study specifically examines the CO2, water, and particulate matter (PM2.5) footprints associated with luxury consumption choices among households in India across different economic classes.
- The luxury consumption basket includes various categories such as dining out, vacations, furniture, social events.
- The study reveals that all three environmental footprints increase as households move from poorer to richer economic classes.
- Specifically, the footprints of the richest 10% of households are approximately double the overall average across the population

The Hindu-Economy(GSIII)-Page 8

RBI's proposed framework to administer project financing

What are some of the more important provisions recommended by the Reserve Bank of India?

Saptaparno Ghosh

The story so far:

o strengthen the existing regulatory framework around long-gestation period financing for projects in infrastructure, non-infrastructure and commercial real estate sectors, the RBI issued draft regulations for consultation earlier this month. Comments on the draft direction are solicited until June 15.

What is purpose of the framework?

Infrastructure projects usually have a long gestation period, with a higher probability of not being financially viable. Depending on scale and technology, these projects may require a loan with a longer tenure. Such projects may also face multiple obstacles leading to delays or cost-overruns. The Ministry of Statistics and Programme Implementation's March review of 1,837 projects observed that 779 of them were delayed and 449 faced cost overruns. The review attributed the delay of the projects observed that the delay of the projects observed the projects observed the delay of the projects observed the projects observed the delay of the projects observed the projects observ

to land acquisition, obtaining forest/environment clearances, changes in scope (and size) etc. These factors are dampeners for banks, which would have priced the risks associated with the project in a certain way on their books.

What are the key revisions? The RBI's focus is on mitigating a 'credit

event', that is, a default or a need to extend the original Date of Commencement of Commercial Operations (DCCO) or infuse additional debt, and/or diminution in the Net Present Value (NPV) of the project. One the more important revisions concerns 'provisioning', that is, setting aside some money ahead of time to compensate for a potential loss. The proposed framework recommends that, at the construction stage (that is, when the financial assessment is finalised and before DCCO). a general provision of 5% is to be maintained on all existing and fresh exposures. This is a revision from the

erstwhile 0.4%. According to CareEdge

Ratings, this would "dampen the bidding appetite from infrastructure developers in the medium term".

This 5% provisioning would be implemented in a phased manner.

What about prudential conditions?

The framework seeks that all mandatory pre-requisites must be in place before financial closure (that is, before the finalising of financial conditions). The indicative list must provide environmental, regulatory and legal clearances relevant to the project. The DCCO must be clearly spelt out. Financia disbursals would be made and the progress in equity infusion agreed to based on the stages of completion. The onus is on the bank to deploy an independent engineer or architect who would be responsible for certifying the project's progress.

RBI proposes to mandate that a positive NPV be a prerequisite to obtain project finance. It also seeks that lenders get the project NPV independently re-evaluated every year. This is to help them avert the possibility of any build-up of stress and have an action plan in place.

Can repayment norms be revised? Ves However the framework proposes

Yes. However, the framework proposes that the original or revised repayment tenure, inclusive of the moratorium period, must not exceed 85% of the economic life of the project.

RBI's proposed framework also

recommends certain criteria for evaluating a change in repayment schedule due to an increase in the project outlay if there's an increase in scope and size of the project. This revision will have to take place before the DOCO, after lenders offer a satisfactory re-assessment about the viability of the project, and if the risk in project cost, excluding any cost overrun, is 25% or more of the original outlay. Significantly, the framework also introduces guidelines to trigger a standby credit facility. This is to be sanctioned at the time of financial closure to fund

What have initial observations been?

overruns arising due to delays.

Ratings agency ICRA observed in a report that higher provisioning requirement for projects under implementation would impact the near-term profitability of non-banking financial companies (and infrastructure financing companies). In their recent earnings call, the SBI, Union Bank of India and Bank of Baroda expressed confidence in the proposal not having any "significant" impact.

THE GIST

The Ministry of Statistics and Programme Implementation's March review of 1,837 projects observed that 779 of them were delayed and 449 faced cost overruns.

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- The Reserve Bank of India (RBI) issued a draft framework for lenders' financing of projects in infrastructure, noninfrastructure and commercial real estate sectors even as it prescribed norms for restructuring of their exposure in projects under implementation on account of change in date of commencement of commercial operations (DCCO)
- These regulations include higher provisioning during construction phases and classification of delayed projects as non-performing assets.
- However, banks and NBFCs fear these rules may hinder project viability and impede India's capital expenditure momentum.
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 Commencement of Commercial Operations (DCCO) or
 infuse additional debt, and/or diminution in the Net
 Present Value (NPV) of the project.

The Hindu- Art and Culture(GSI)

Men don women's attire to honour Gangamma in Tirupati's 'Ganga Jatara'

A.D. Rangarajan TIRUPATI

At this time of the year in Tirupati, scores of devotees dressed up in peculiar and flamboyant costumes are a fairly common sight as the centuries-old folk festival 'Ganga Jatara' observed at the ancient Thathayagunta Gangamma temple is in motion.

The unique annual festival, which began on May 14, ends by the early hours of Wednesday. Revered as the 'Grama Devatha' (village goddess), Gangamma is locally believed to be the sister of Lord Venkateswara. While visiting the temple by smearing chalk, sandal, kumkum and charcoal



Men dressed for 'Ganga Jatara' on their way to Gangamma temple in Tirupati on Tuesday, SPECIAL ARRANGEMENT

regular practice, the last day is dedicated to donning the guise of a woman.

According to ancient folklore, a local chieftain (palegadu) misbehaved with Gangamma, Taking

paste all over the body is a offence to his behaviour, Gangamma took a vow to kill him. Fearing for his life, the rogue Palegadu went into hiding. To lure him out, Gangamma went to town in different guises and donned unusual at-

tires. When Gangamma arrived dressed up as an attractive damsel on the last day, he came out of hiding, only to be slaved.

With the demise of the rogue ruler, the entire village of Tirupati was grateful to Gangamma. Replicating this narrative, male devotees started turning up in the guise of a woman to invoke her blessings.

However, over time, the ancient practice has been modernised - silk saris gave way to churidars and skirts, and traditional tufts were replaced by modern hair-dos and during the festival, make-up artists rake in profits by opening 'Jatara Special' branches in the temple's vicinity.



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- Revered as the 'Grama Devatha' (village goddess), Gangamma is locally believed to be the sister of Lord Venkateswara.

The Hindu- Environment(GSIII)

30 flamingos fall dead, rammed by jet on glide path to Mumbai airport





- The flamingos migrate from Siberia to Mumbai via the Rann of Kutch in Gujarat.
- Between November and May, they make the wetlands and mudflats on Mumbai's eastern coast their home and feed on algae and small organisms.

Indian Express-GS2(Governance)Page 1

No error: SC rejects pleas to review its Art 370 order

NEW DELHI MAY 21

THE SUPREME Court has dismissed petitions seeking review of its December 2023 judgment upholding the government's August 2019 decision to end the special status of the then State of Jammu and Kashmir by abrogating Article 370 of the Constitution.

"Having perused the review petitions, there is no error apparent on the face of the record. No case for review under Order XLVII Rule 1 of the Supreme Court Rules 2013. The review petitions are, therefore, dismissed," a five-judge bench, presided by Chief Justice of India D Y Chandrachud, said.

The bench also comprised Justices Sanjiv Khanna, B R Gavai, Surya Kant and A S Bopanna.

The petitions were dismissed on May 1 and the copy of the order was uploaded Tuesday on the court's official webpage.

CONTINUED ON PAGE 2



- A Constitution Bench had upheld the abrogation of Article 370, an event which had led to the reorganisation of the full-fledged State of Jammu and Kashmir to two union territories
- The judgment, in November 2023, had confirmed that the President could "unilaterally issue a notification that Article 370 ceases to exist".
- The court had held that the President has power to abrogate Article 370 if "special circumstances warranted a special solution".

Indian Express-Environment(GSIII)-Page 2

UN report: Indian pastoralists need better access to land, recognition of rights

NIKHIL GHANEKAR

MAY 21, NEW DELHI

MILLIONS OF pastoralists in India who rear livestock and depend on grasslands, shrubs and plateaus for sustenance need better recognition of their rights and access to markets, says a new United Nations report on degradation of rangelands.

According to the report by the UN Convention on Combating Desertification (UNCCD), almost half of the world's rangelands are degraded due to climate change, population growth, land-use change and growing farmlands.

Rangelands cover 80 million sqkm, which is 54% of the earth's land surface. They are characterised by low vegetation and comprise grasslands, shrublands, wetlands, desert, semiarid land, mountain pastures, plateaus and tundra. These rangelands, the report says, are an important ecosystem to fight against climate change as they little public reaction," said UNCCD executive secretary Ibrahim Thiaw.

Though their exact numbers in India are not known, the population of pastoralist communities, comprising groups such as Maldharis, Van Gujjars, Rabaris, among others, is estimated to be 20 million or more.

The report highlights that pastoralists are a marginalised community with little influence on policy decisions, resulting in uncertainty over access to common land and land rights. "Although grasslands are considered threatened ecosystems in India, they have been virtually overlooked in environmental conservation and ecosystem restoration policies in favour of forestrybased interventions, which includes converting natural grasslands into plantation forests or other uses," the report said.

"Less than 5% of India's grasslands fall within protected areas, and the total grassland area declined from 18 to 12 million hectares between 2005 and



- The rangelands category of Earth's land cover consists mostly of the natural grasslands used by livestock and wild animals to graze and forage.
- They also include savannas, shrublands, wetlands, tundra and deserts.
- Added together, these lands constitute 54% of all land cover, account for one sixth of global food production and represent nearly one third of the planet's carbon reservoir.
- Millions of pastoralists in India who rear livestock and depend on grasslands, shrubs and plateaus for sustenance need better recognition of their rights and access to markets

Indian Express-S&T(GSIII)-Page 14

EU's Copernicus emergency service, called in to locate Raisi's chopper

ALIND CHAUHAN

NEW DELHI, MAY 21

Raisi's helicopter crashed on Sunday, the its rapid mapping service work? European Union (EU) activated its rapid satellite mapping service to help search efforts, What is the Europe Union's Copernicus following a request for assistance from Iran. programme, to begin with?

Janez Lenarcic, European Commissioner The Copernicus programme is part of the

The wreckage of the helicopter was found such as ground stations.

crucial components of the Emergency Management Service (EMS), which comes under the EU's Copernicus programme. SOON AFTER Iranian President Ebrahim What is the Copernicus EMS, and how does

for Crisis Management, posted on X: "Upon EU's space programme and aims to monitor Iranian request for assistance we are activat- the Earth and its environment by collecting ing the EU's @CopernicusEMS rapid response data from a set of satellites known as the At the site of the crash. Reuters mapping service in view of the helicopter ac-Sentinels. It also gets data from contributing cident reportedly carrying the President of missions (existing commercial and public



on Monday after an overnight search in bliz- The data are processed and analysed to the marine environment, the atmosphere, cies, and humanitarian crises.

change, according to the website of the ice: the mapping component and the early quires, processes, and analyses satellite im-

gramme was earlier called Global Monitoring time assessment of forest fire impacts. for Environmental Security (GMES). Currently, The mapping component has two mod-choose while requesting the service.

satellites) and in situ or non-space sources be used for a wide range of applications in sensing and in situ data sources to help manness, disaster risk reduction, and recovery. many areas. These include land management, age natural disasters, man-made emergen-

generate value-added information, which can emergency response, security, and climate There are two components of the serv- To provide maps quickly, the service ac- after the disaster has taken place.

it is implemented by the European ules:rapid mapping (RM); risk and recovering Commission (EC) with support from the ESA mapping (RRM). The RM, which was activated formation on the area of interest and assets and the European Environment Agency (EEA). to look for Raisi's crashed helicopter, provides before the emergency/disaster takes place. maps within days or hours, anywhere in the First Estimate Product: It provides a world. The RRM delivers maps that are requick assessment of the most affected loca-The Copernicus EMS has been in opera-quired for disaster management — and not for tions after the disaster has taken place. tion since 2012, and provides geo-spatial information derived from satellite remote months. It is used for prevention, prepared-mation on the impact, extent, and update or

How does the rapid mapping work?

European Space Agency (ESA). Users get the warning component. The former provides agery, geospatial data, and social media wher information on a "full, open, and free-of-maps and analysis based on satellite im-required. According to the Copernicus webagery; the latter issues alerts about floods, site, the RM service can supply four different Launched in 1998, the Copernicus pro- droughts, and forest fires, and gives near-real "products" - each one of them provides

■ Reference Product: It gives quick in-

■ Grading Product: It provides damage

assessment, spatial distribution, and extent



- The Copernicus programme is part of the EU's space programme and aims to monitor the Earth and its environment by collecting data from a set of satellites known as the Sentinels.
- It also gets data from contributing missions (existing commercial and public satellites) and in situ or nonspace sources such as ground stations.
- The data are processed and analysed to generate valueadded information, which can be used for a wide range of applications in many areas.
- These include land management, the marine environment, the atmosphere, emergency response, security, and climate change

PIB-Education(GSII)

Ministry of Education

Shri Sanjay Murthy along with Shri T. G. Sitharam launch the portal for nominations for National Awards to Teachers (Higher Education) 2024

Awards will be conferred on teachers of technical and non-technical higher education institutions and Polytechnic Institutions

Last date for nominations is 20th June 2024

- Secretary, Higher Education Sanjay Murthy launched the portal for nominations for National Awards to Teachers (Higher Education) 2024. The awards will be conferred on teachers of technical and non-technical higher education institutions and Polytechnic Institutions.
- The award is open to all the faculty members of colleges, universities, higher educational institutions and polytechnics.
- the nominee should have at least five years of full-time teaching experience at the Undergraduate and Postgraduate level.
- The purpose of the National Award to Teachers 2024 in Higher Education Institutions is to recognise the distinctive contributions of some of the finest faculty members in the country and honour them for their dedication and hard work, particularly in teaching and pedagogy, and its impact which have not only improved the quality of higher education but also enriched the lives of their students.

N NEXT DDS

AIR-Culture (GSI)

250th Birth Anniversary Of Saint Lalon Shah Fakir Being Celebrated In Bangladesh



- Lalon is revered as a great mystic saint, philosopher and social reformer of his time.
- He composed thousands of songs which were later compiled by his disciples. His songs celebrate the spirit of humanism blending elements of Islam, Vaishnavism, Sahajiya Buddhism and Jainism.
- Fakir Lalon Shah is considered the most prominent figure
 of the Baul tradition of Bangladesh and India. Born in
 1774 at Horishpur in Jhenaidah district of modern
 Bangladesh. He inspired and influenced people like
 Rabindranath Tagore, Kazi Nazrul Islam and the American
 poet Allen Ginsberg among others.