



11 July 2024

National and International News

<p><b>Regional Analysis of Indian Ocean (RAIN)</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>The Indian National Centre for Ocean Information Services (INCOIS) has recently upgraded its <b>Regional Analysis of Indian Ocean (RAIN)</b> system to enhance the collection of information on the health of the Indian Ocean.</li> </ul> <p><b>About RAIN:</b></p> <ul style="list-style-type: none"> <li><b>Developed by:</b> Indian National Centre for Ocean Information Services (INCOIS).</li> <li><b>Previous Version:</b> Utilized only <b>salinity and sea surface temperature</b>.</li> <li><b>Upgraded Version:</b> Now includes <b>sea surface height and Sea Surface Height Anomaly (SSHA)</b>.</li> <li><b>Observation Range:</b> <b>Surface to depths ranging from 3 metres to 2,000 metres</b>, depending on the requirement.</li> <li><b>Improvement:</b> Enhanced ocean current analysis due to the inclusion of additional information.</li> </ul>
<p><b>CubeSat Radio Interferometry Experiment (CURIE)</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li><b>NASA</b> is preparing to launch the <b>CubeSat Radio Interferometry Experiment (CURIE)</b> mission, which aims to explore and understand solar radio waves.</li> </ul> <p><b>About CURIE:</b></p> <ul style="list-style-type: none"> <li><b>Objective:</b> Investigate the <b>origins of radio waves from the Sun</b>.</li> <li><b>Technique:</b> Uses <b>low-frequency radio interferometry</b>, a first in space.</li> <li><b>Function:</b> Detects minute differences in radio wave arrival times to pinpoint their solar origin.</li> <li><b>Frequency Range:</b> Measures <b>radio waves in the 0.1 to 19 megahertz range</b>, which are <b>blocked by Earth's upper atmosphere</b>.</li> <li><b>Significance:</b> <ul style="list-style-type: none"> <li>Advances understanding of solar phenomena.</li> <li>Paves the way for future space-based radio astronomy.</li> </ul> </li> <li><b>Sponsorship:</b> Sponsored by NASA's <b>Heliophysics Flight Opportunities for Research and Technology (H-FORT)</b> Program.</li> </ul>
<p><b>Veerangana Durgavati Tiger Reserve</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>The <b>Madhya Pradesh government</b> has launched an investigation into suspected <b>tiger poaching and irregularities</b> at the newly established <b>Veerangana Durgavati Tiger Reserve</b>.</li> </ul>



	<p><b>About Veerangana Durgavati Tiger Reserve:</b></p> <ul style="list-style-type: none"> <li>● <b>Location:</b> Sagar, Damoh, and Narsinghpur districts, <b>Madhya Pradesh</b>.</li> <li>● <b>Includes:</b> <b>Nauradehi Wildlife Sanctuary</b> and <b>Durgavati Wildlife Sanctuary</b>.</li> <li>● <b>Tiger Reserve:</b> Seventh in Madhya Pradesh, <b>named for Rani Durgavati, the queen of the Gond people</b>.</li> <li>● <b>Rivers:</b> Parts of the <b>Narmada</b> and <b>Yamuna</b> River basins.</li> <li>● <b>Fort:</b> <b>Singorgarh Fort</b> located within the reserve.</li> <li>● <b>Vegetation:</b> Dry deciduous type.</li> <li>● <b>Flora:</b> Teak, Saja, Dhaora, Ber, Amla, etc.</li> <li>● <b>Fauna:</b> <ul style="list-style-type: none"> <li>○ <b>Large mammals:</b> Tiger, leopard, wolf, jackal, Indian fox, striped hyena, Nilgai, Chinkara, Chital, Sambhar, Black Buck, Barking deer, Rhesus Macaque.</li> <li>○ <b>Birds:</b> White-Rumped and Indian Vultures (critically endangered).</li> </ul> </li> <li>● <b>Development:</b> A <b>green corridor</b> linking Panna Tiger Reserve (PTR) with Durgavati for the natural movement of tigers.</li> </ul>
<p><b>Financial Inclusion Index (FI-Index)</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>● The <b>Reserve Bank's FI-Index, capturing the extent of financial inclusion</b> across the country, rose to 64.2 in March 2024, showing growth across all parameters.</li> </ul> <p><b>About FI-Index:</b></p> <ul style="list-style-type: none"> <li>● <b>FI-Index Value:</b> <ul style="list-style-type: none"> <li>○ Rose to <b>64.2</b> in March 2024.</li> <li>○ Increased from <b>60.1</b> in March 2023.</li> </ul> </li> <li>● <b>Growth Factors:</b> <ul style="list-style-type: none"> <li>○ Growth observed across all sub-indices.</li> <li>○ Improvement mainly due to the usage dimension, indicating deepening financial inclusion.</li> </ul> </li> <li>● <b>Parameters:</b> <ul style="list-style-type: none"> <li>○ Comprises three broad parameters: <ul style="list-style-type: none"> <li>■ Access (35%)</li> <li>■ Usage (45%)</li> <li>■ Quality (20%)</li> </ul> </li> <li>○ Each parameter consists of various dimensions based on multiple indicators.</li> </ul> </li> <li>● <b>Conceptualization:</b> <ul style="list-style-type: none"> <li>○ Introduced in August <b>2021</b>.</li> <li>○ Designed as a <b>comprehensive index</b> covering <b>banking, investments, insurance, postal, and pension sectors</b>.</li> </ul> </li> <li>● <b>Features:</b> <ul style="list-style-type: none"> <li>○ Responsive to ease of access, availability, and usage of services.</li> <li>○ Quality parameter uniquely captures financial literacy, consumer protection, and service inequalities and</li> </ul> </li> </ul>



	deficiencies.
<p><b>Prime Minister's Science, Technology &amp; Innovation Advisory Council (PM-STIAC)</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>● <b>25th Prime Minister's Science, Technology &amp; Innovation Advisory Council (PM-STIAC) Meeting Discusses Carbon Capture Utilisation &amp; Storage (CCUS) and Carbon Credit in India.</b></li> </ul> <p><b>About PM-STIAC:</b></p> <ul style="list-style-type: none"> <li>● <b>Council Role:</b> <ul style="list-style-type: none"> <li>○ PM-STIAC is an <b>overarching council supporting the Office of the Principal Scientific Adviser (O/o PSA)</b> to the Government of India.</li> <li>○ <b>Facilitates assessment of specific science and technology domains</b>, understanding challenges, and formulating interventions.</li> <li>○ <b>Develops a futuristic roadmap</b> and advises the Prime Minister accordingly.</li> <li>○ <b>Oversees implementation of interventions by concerned S&amp;T Departments</b>, agencies, and other government Ministries.</li> </ul> </li> <li>● <b>'9 National Missions' under the PM-STIAC:</b> <ul style="list-style-type: none"> <li>○ Natural language translation</li> <li>○ Quantum frontier</li> <li>○ Artificial intelligence</li> <li>○ National Biodiversity Authority</li> <li>○ Electric vehicles</li> <li>○ Bioscience for human health</li> <li>○ Waste to wealth</li> <li>○ Deep ocean exploration</li> <li>○ AGNIi</li> </ul> </li> <li>● <b>Initiatives of the Office of the PSA:</b> <ul style="list-style-type: none"> <li>○ City Research Clusters</li> <li>○ I-STEM (Indian Science, Technology and Engineering Facilities Map)</li> <li>○ Brahmaputra River System</li> <li>○ Energy Security</li> <li>○ R&amp;D in India</li> <li>○ Jal Jeevan Mission</li> <li>○ Space Reforms</li> </ul> </li> </ul>



తెలుగు

ADDAPEDIA

Daily Current Affairs Encyclopedia

To get free Live Classes,  
Materials Scan this QR Code &  
Download our Adda247 App



**Copyright © by Adda247**

*All rights are reserved. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission of Adda247.*