What we Aspire to Do?

- Conduct Evidence-based research on energy & climate issues
- Capacity building through knowledge sharing & consultation dialogues
- Workshops on “Policy Tools” and “Assessment Frameworks” for CET
- Advocacy & communications outreach for energy & climate actions
- Support businesses and enhance bilateral co-operations
NCET Research Themes 2022

Energy Security

Annual State of RE Report (ASSR)
- Status of RE in 2022
- Policy Landscape for RE
- Market and Industry Trends
- Off-Grid Solutions
- Technology Outlook
- RE and Carbon Intensity

Pakistan Gas sector Strategy
- Initial Level Consultations
- Growth and Challenges
- Existing opportunities
- Just Energy Transition

Electric Vehicles
- Electric Vehicle Market Readiness of Pakistan
- Socio-Economic Impacts of Pakistan Electric Vehicle Policy
- Battery and Hydrogen Fuel Technologies

Pakistan Gas sector Strategy
- Technology Outlook
- RE and Carbon Intensity
NCET Research Themes 2022

Energy Governance and Market Reforms

- Competitive Trading Bilateral Contracts Market (CTBCM)
- Power Wheeling in Pakistan
- Competitive Bidding of RE
NCET Research Themes 2022

Energy Efficiency and Decarbonization

Energy Efficiency
- Efficient Lightening
- Industrial Efficiency
- Active and Passive Energy Conservation

Industrial Decarbonization
- Hard to Abate Sectors
- Industries in Transition
- Informal SMEs
- Just Energy Transition

Green Infrastructure
- Grid Modernization
- Energy Storage Technologies
- Climate Smart Houses
- Clean Cooking
NCET Research Themes 2022

Energy Finance

Green Financing Mechanisms
- Tools and Instruments
- Debt Swaps, Green Bonds, De-risking etc.
- ESG Reporting
- Carbon Markets
- Post COP opportunities

Greening CPEC
- RE Investments in CPEC
- Green Financing Guidelines
- Investment Framework for CPEC

Corporate Investments
- Regulatory Frameworks
- Ease of Green Business
- Economic Models for Green Projects
NCET Research Themes 2022
Climate Change and Ecological Assessment

Natural Capital Forest Restoration-Assessing the Climate Change Impacts

Ecological Assessment of Energy Sector Projects
<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Working Group</th>
<th>Key Research Themes</th>
</tr>
</thead>
</table>
| 1      | Renewable Energy Working Group    | • Annual State of Renewables Report.  
• Competitive Bidding of Renewable Energy.  
• Pakistan Gas Sector Strategies.  
• Green Infrastructure build-up.  
• Greening CPEC.  
• Energy Efficiency. |
| 2      | Corporate Sustainability Group    | • Competitive Trading Bilateral Contracts Market (CTBCM)  
• Power Wheeling in Pakistan.  
• Electric Vehicle Market Readiness.  
• Corporate Investments.  
• Green Financing Mechanisms.  
• Industrial Decarbonization. |
| 3      | Natural Capital Impact Group      | • Natural Capital Forest Restoration.  
• Ecological Assessment of Energy Sector Projects. |
NCET Research Outputs (2022)

<table>
<thead>
<tr>
<th>Working/ Policy Paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Annual State of Renewables Report.</td>
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<td>• Role of private sector in Clean Energy Transition of Pakistan: A case of (CTBCM)</td>
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<td>• Socio-Economic prospects of Electric Vehicle (EV) Policy 2019 and EV market preparedness of Pakistan</td>
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<tr>
<td>• Green financing guidelines and framework for China Pakistan Economic Corridor (CPEC)</td>
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<td>• Greening CPEC: Green Transitions in Pakistan</td>
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<td>• Role of Academia in Clean Energy Transition of Pakistan</td>
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<td>• Role of Start-ups in Clean Energy Transition in Pakistan</td>
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<td>• Green Financing to Support Energy Transition in Pakistan</td>
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<td>• Prospects of Green Bonds to support transition in Pakistan</td>
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<td>• Role of Chinese and local financing institutions in greening CPEC</td>
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<tr>
<td>• Lessons from China: The need to switch towards a greener future</td>
</tr>
</tbody>
</table>
Advocacy and Stakeholder Consultations (Feb – June)

Mid-February 2022
PPD on “Electricity Market: The Case of CTBCM”

March 2022
Quarterly Meeting of Founding Members
Goals and Progress

End April 2022
FGD on Role of Chinese & Local financing Institutions in Greening CPEC

Late February 2022
PPD on “Electric Vehicle Market Readiness of Pakistan”

Mid-April 2022
Capacity Building Workshop on “Green Financing Guidelines”

Mid June
Consultative Workshop on “Roadmap for SDG-7 in Pakistan”
Advocacy and Stakeholder Consultations (July – Dec)

- **Late July 2022**: National Roundtable on “Green Bonds in Pakistan and how they can support Energy transition”
- **August 2022**: Annual Renewables Conference
- **Sep-Oct 2022**: Result Validation and Consultation Sessions
- **November 2022**: National Conference on “Lessons from China: Need to Switch towards a Greener Future”
- **December 2022**: Quarterly Meeting of Founding Members
  - Key Takeaways and Policy Mapping
Communications and Outreach

- Op-Eds
- Talk Shows
- Energy Bulletin
- Podcasts

Outreach