

Climate-Proofing Energy Systems

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Low Carbon Development Strategies

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HELIO International

- HELIO International is an independent, international network of leading energy analysts whose common goal is to **promote sustainable and equitable development.**
- HELIO experts carry out **independent evaluations** of national energy policies and inform decision-makers about their effectiveness. They also analyse and advise on **ecodevelopment, participatory governance and climate stabilisation.**
- HELIO's core activity is **Sustainable Energy Watch**. SEW's objective is to measure progress towards sustainable energy and ecodevelopment practices nationally, regionally and globally.





Indicators: what to measure...

- Vulnerability
 - Country-level vulnerabilities
 - Individual energy systems vulnerabilities
 - Transmission and distribution weaknesses
- Capacity for Resilience (all forms of capital)
 - Technological/Environmental
 - Human / Social
 - Financial
 - Institutional
 - governance; decision-making; regulations; civil society



VAR Recommendations to Climate-proof Energy Systems

1. **Assess + monitor** energy systems to ensure systems can adapt to anticipated climate change impacts
2. Expand current assessment process for new energy systems
3. Develop medium- to long-term strategies for **decentralised**, low carbon energy supply system
4. Implement **energy demand management** as adaptation measure



VAR Recommendations to Climate-proof Energy Systems

5. Cultivate **in-country capacity** to evaluate/respond to energy needs from a climate perspective
6. Invest in **ecosystem services** that support existing and planned energy production
7. Establish **transparent** technology transfer and financing procedures
8. Develop **participatory governance** to truly understand energy needs and mobilise support to promote ecodevelopment

*We run carelessly to the precipice, after we have put
something
in front of it to prevent us from seeing it.
Pascal (Pensées)*

