

Capability, Governance and Nanotechnology Developments: a focus on India



The present study is a three-year interdisciplinary project undertaken by the Science and Technology Area (RGS Division), TERI and supported by IDRC, Canada.

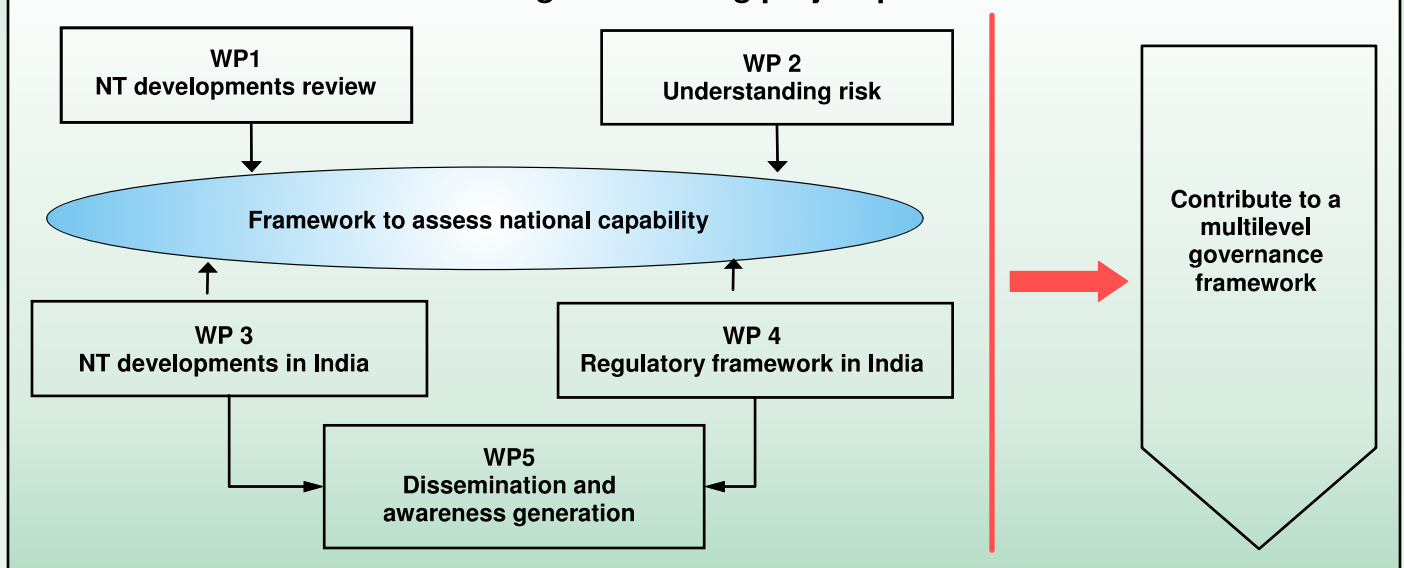
Based on the premise that revolutionary emerging technologies such as nanotechnology (NT) could pose several opportunities, risks and have far reaching implications to developing countries, the study seeks to examine various aspects of developing country

capability needed to (1) engage with NT developments and debates, (2) respond to NT challenges that are responsible in both its technological and product trajectories and biosafety issues, and (3) help establish an innovative governance framework. The project while focusing on national contexts, capacities and priorities, also intends to comprehend developments at the global and regional levels.

Objectives

- Achieve a better understanding of the opportunities and risks that NT presents to India and other developing countries.
- Assess key determinants of capability to respond to NT challenges.
- Provide a platform to share information on NT and policy issues; create dialogue between stakeholders in India to address opportunities and risks it presents.
- Contribute to a multi level governance framework.
- Contribute to shaping a responsive policy framework given that the technology is still evolving.

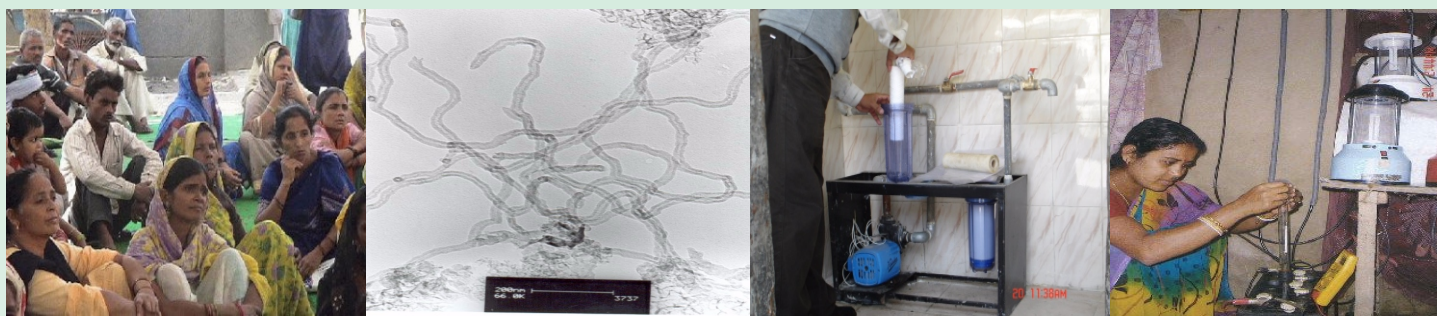
Flow diagram showing project process



The project connects with the “Global Dialogue for Nanotechnology and the Poor” (GDNP, Meridian Institute, Washington) and is being implemented by a multi-disciplinary project team, aided by a core group of experts and stakeholders.

Science and Technology Area

The Science and Technology Area (STA) of the Resources and Global Security Division of TERI (The Energy and Resources Institute) focuses on understanding the implications, opportunities and risks of emerging technologies. Furthermore, it aims at making scientific research, conducted predominantly by academic institutions, more community oriented, accessible and participatory in nature. The area also focuses on identifying opportunities for enhancing capacity through knowledge sharing in South Asia and Africa, in areas key to improving human well-being: health, water, energy, forestry, agriculture, and environment.



Source - TERI

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