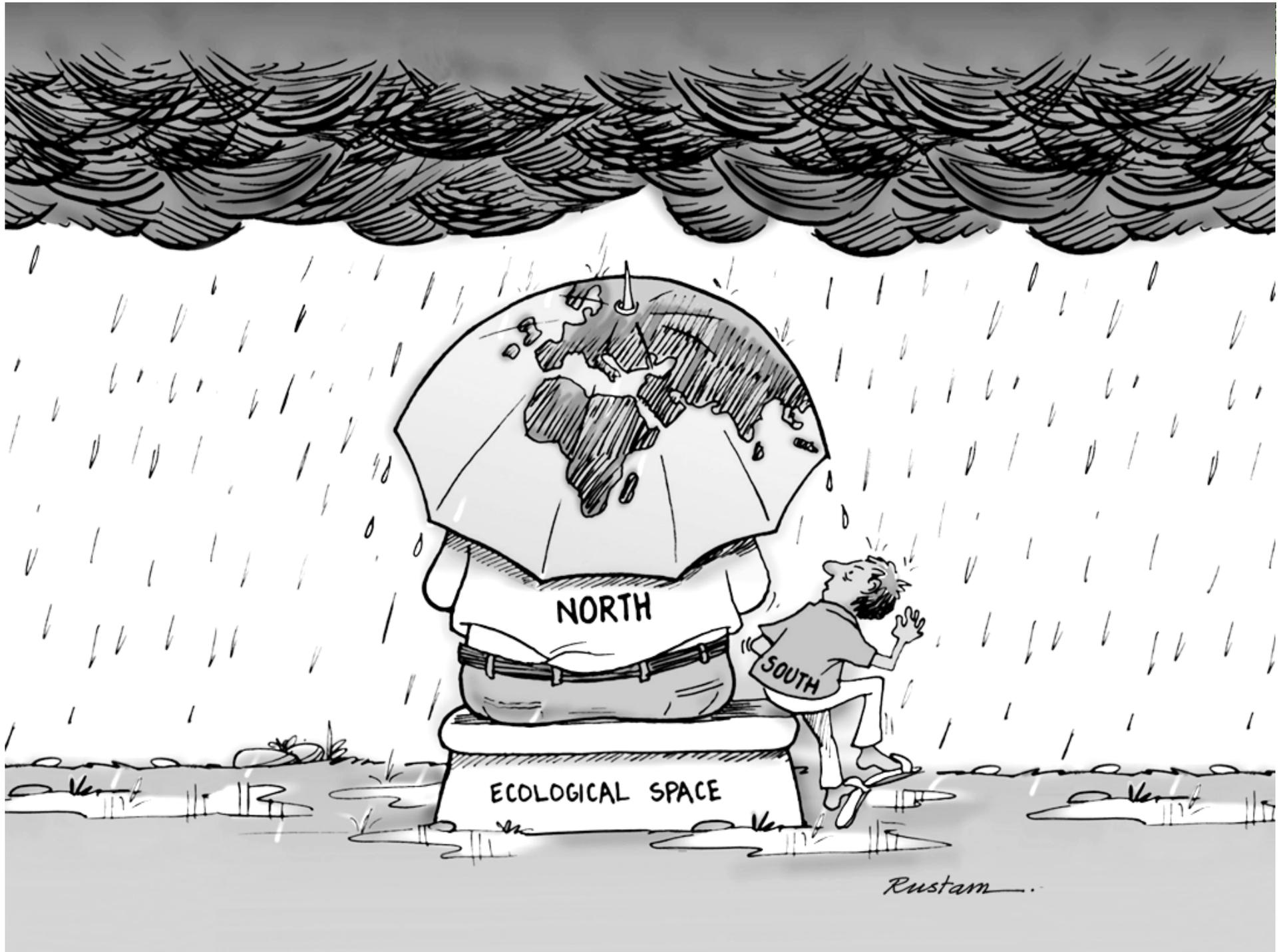




CSE's Regional Programme

'Catalysing sustainable
environmental practices in south
Asia'

December 30, 2013



Challenges facing the South



Environment as a development challenge

Poor live on their environment. Environment is biggest **asset for economic growth**. But its “sustainable” use demands new management systems – use environment to build assets, regenerate resource base to build livelihoods

Development as an environmental challenge

Wealth creation (economic growth) leads to environmental degradation. Don't have money or resources to 'fix' problem. Cannot afford pollution. **Need to leapfrog to new answers.**

Environmentalism of the poor



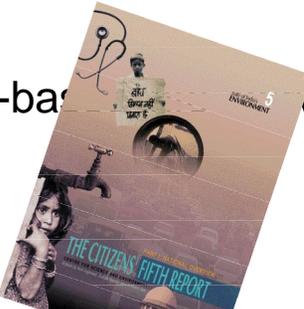
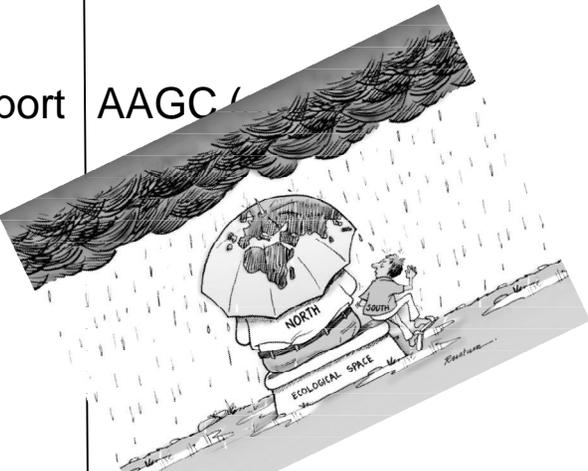
Industrialised world's movement responded to waste created by economic growth. After society was rich. Spent billions to perfect waste management

Indian (and Southern) movement is when countries are still **poor but getting rich**. Economic growth costs borne by environment and poor communities

People are demanding change. New ways of growth. New ways of progress. About **deepening democracy** to secure rights and **access to resources** . About **building institutions** from national to local levels. About strengthening **regulatory** measures for environmental protection

CSE: Structure of current activities



Awareness Raising & Documentation	Research & Policy Advocacy	Training & Outreach
Down to Earth Programme 	Water Management (Rural, Urban & Rivers)	Green Schools'
Gobar Times	Sustainable Industrialization (Green Rating Industry & EIA)	Media Outreach
State of India's Environment Reports (SOE)	Air Pollution & Mobility (Sustainable Cities)	Regulators' programme
Books, Documents, Journals, Databases	Green Buildings (Sustainable Cities)	Environment Training Institute (ETI)
Environment Portal	South Asia Programme Policy Research & Community Support	AAGC (
Web-based services 	Pollution Monitoring Laboratory Food Safety & Toxins Climate Change & GEG	

Advocacy, information dissemination



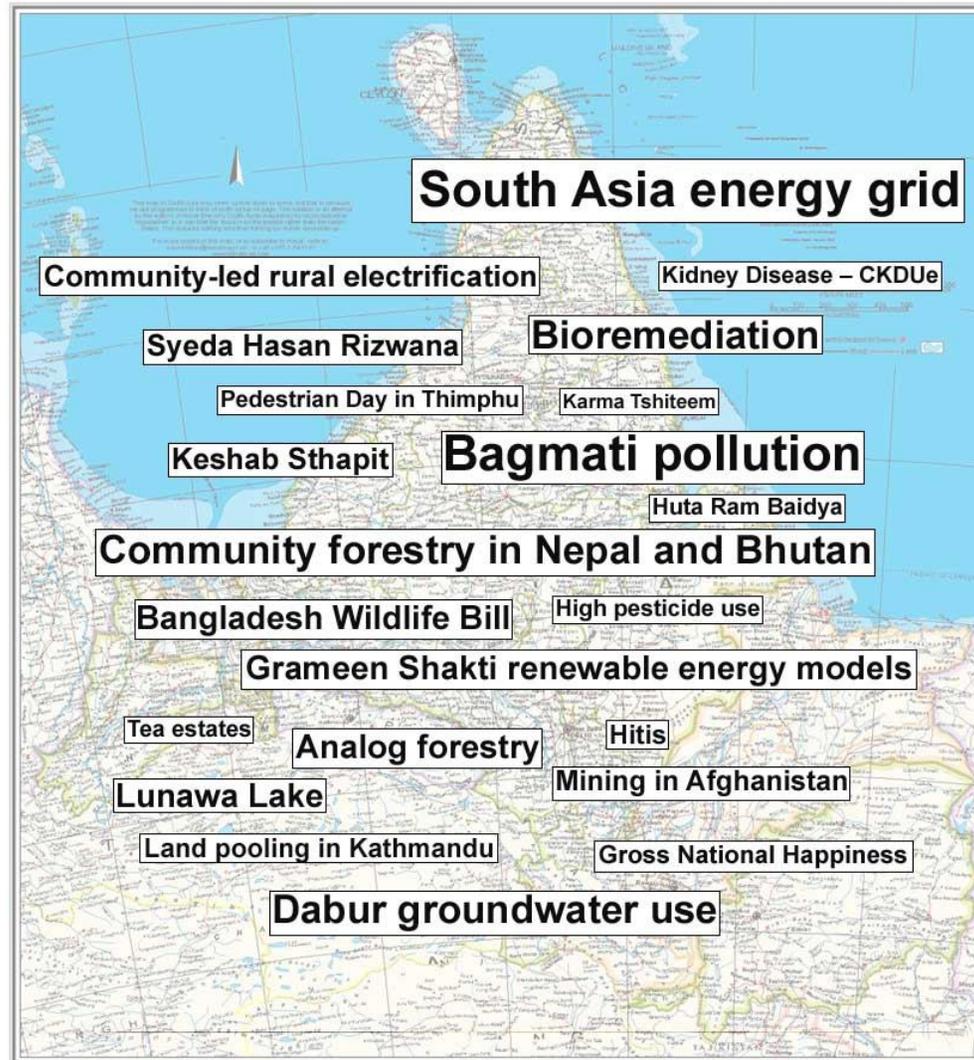
Collated, classified & structured environmental information

- **The South Asia Environment Portal (SAEP):** Documented 1,07,000 records on a host of environment-development issues
- Environment News Service for south Asia: 90,000 news clippings sourced from 26 South Asian newspapers
- 17,000 reports, documents & policy papers by south Asian organisations
- Monthly 'South Asia Green Files' (key news, features): 150 subscribers
- Information managers from south Asia - interested in digital literacy training

Dissemination environment, development challenges

- **CSE Media team:** Partnered with leading regional media associations; Fellowships, Pan-regional events; country media briefings; **South Asia Media briefing on climate change;** National Research Conference on Climate Change (with IISc-Bangalore, IIT-Delhi & IIT-Madras).

Down To Earth



Alliances, forums to facilitate information flows, learning within region



Urban Air Quality & Mobility programme

Nepal: work with Ministry of Physical Planning & Works & Transport Management led to **revision in ambient air quality norms** & vehicle emissions standards for country; invited by the **Sajha Yatayat** (cooperative public transport service) board to help restart this affordable public transport service in the valley.

Bhutan: National Environment Commission (NEC) started implementing a plan prepared by CSE on clean air and sustainable mobility in Thimphu

Bangladesh: 'Citizen's survey' in Dhaka on air quality & mobility with Work for a Better Bangladesh Trust (WBB)

Sri Lanka: CSE asked by Sustainable Energy Authority & Air Resource Management Centre to help set fuel economy standards for country

Alliances, forums to facilitate ... (Cont)



Sustainable Industrialisation

Bhutan: Capacity building, monitoring & compliance of development projects (i.e. EIA); lab support for pollution monitoring; prepared Environment Assessment (EA) guidelines for 8 sectors (industry, forest, roads & highways, hydropower, mining, tourism, transmission lines); guidelines for principal industrial sites in Bhutan

Sri Lanka: Central Environment Authority (CEA) asked CSE to create a 'Compliance Assurance Manual' to evaluate development and infrastructure projects; Orientation on biomedical waste in Kandy led to country's first clinical waste management project

Toxins and the Pollution Monitoring Laboratory

Sri Lanka: Water quality tests with Centre for Environmental Justice (CEJ) in Anuradhapura, Polonnaruwa districts to understand the kidney/renal failure

Green Schools Programme (GSP)

Sri Lanka: Ministry of Education formally adopted GSP as a part

Develop capacities, training



Training now an important component of all CSE teams

- From 2010-13, a total of 161 trainings conducted, in which 2151 were trained from south Asia
- **1 in 3 trained was a south Asian** (Afghanistan, Bhutan; Bangladesh, Maldives, Nepal, Pakistan, Sri Lanka).
- Trainings in India & in host countries, **with partners**
- Anil Agarwal **Fellowships awarded** to 250 south Asians

Wide variety of stakeholders

- Training pollution control regulators
- Media trainings and capacity building: social media & Web 2.0;
- Urban water & wastewater management;
- How to green your schools;
- Air quality in cities;
- Interdisciplinary courses for students & young professionals

Country	South Asian agency	Work
	Central Environment Authority	Trainings for officials on EIA and SIA
	Lanka Rain Water Harvesting Forum	Trainings, rain & wastewater resource centre
	Ministry of Water Supply and Drainage	Training engineers, model projects, rain centre
Sri Lanka	Ministry of Education	TOTs, manuals, GSP in school curriculum
	Geological Survey and Mines Bureau	Joint research & institutional, staff trainings
	Lunawa Environmental Improvement & Community Development Project	Training on water, waste water and EIA
	Television Trust for the Environment-Asia Pacific	Training for south Asian journalists and communication managers
	Centre for Environmental Justice	Joint research on environmental health, toxins
Bangladesh	Department of Environment	Develop guidelines for industrial sectors, training govt. staff & pollution regulators
	Department of Transportation	Trainings on clean air initiatives
	Chittagong Municipal Corporation	Training water & waste engineers
	WaterAid-Bangladesh	Trainings, manuals, model projects and rain centre
	Bangladesh Poribesh Andolan	Training water and waste engineers
	Coastal Development Partnership	Research on coasts, climate adaptation
	Work for Better Bangladesh Trust	Training on air pollution and water issues
	Bangladesh Centre for Advanced Studies	Network partner on climate change adaptation
	Bangladesh Institute of Planners	Training on water and wastewater issues
Bhutan	National Environment Commission	Training pollution regulators, EIA guidelines
	Druk Green Power Corporation	Training on EIA and on hydropower sector
Nepal	Ministry of Physical Planning and Works	Training workshops for government engineers
	Ministry of Education	Training on environmental education and Green School Programme
	NGO Forum for Urban Water and Sanitation	Capacity building in water & sanitation sectors
	Purbanchal University, Nepal	Curriculum development and lab & student courses
	Centre for Integrated Urban Development	Workshops, manuals, model projects
	Environment and Public Health Organisation	Drinking water quality and water management
	Guthi	Capacity building on social media
	Nepal Forum of Environmental Journalists	Capacity building on reporting and news media



Partners

Big picture



- **Mature programme:** Spread & variety of engagements in the region, from sector capacity building, joint research, advocacy & information dissemination, policy interventions, & direct implementation. Beyond national capitals. Many CSE teams involved.
- **Variety of stakeholders:** NGOs & CBOs, government ministries, pollution regulators, municipalities, consultancies, research institutions, universities & school education authorities, industry bodies, students, news media...
- **Responding to demand:** Best validation of a South-South cooperation model. Demand existed despite presence of several INGOs & strong network of private consultancies in host countries.
- **Local solutions:** Strong on-ground partnerships helped assimilate local intelligence and deploy local research for local, site-specific solutions
- **Cross learning:** Sri Lanka (vehicle taxation to control dieselization; bonus grades in environment education to secure college seats); Bangladesh (social business & subsidies to push renewable energy); Nepal (community-led electrification on equitable energy access)
- **Training demand:** From 2010-13, a total of 161 trainings conducted, in which 2151 were trained from south Asia (1 in 3 of all people trained by CSE is from south Asia)

Environment Training Institute (ETI)



- Land: 11 acres in Tijara (2.5 hours from Delhi on Alwar Road)
- **State-of-art training** institute with residential facilities (150 ppl)
- **Green building** with measurable targets on how we can define what is green
- **Energy** (passive energy, building materials); **Water harvesting** (check dams to augment water); **Waste recycling & reuse**; **Green energy**
- **School of Regulators** (MoUs with CPCB, MoEF, South Asia)
- **School of Water and Waste** (Centre of Excellence @ MoUD, MoRD)
- **School of climate change** politics, policy (ICRN)
- **School of environmental communication** (development, science & environmental journalism)
- **Community college** (Green jobs in RWH, wastewater, renewable

Campus view



South Asia Water Programme



- **Nepal:** **MoU** valid for **3 year** signed on January 2012 between Ministry of Physical Planning and Works (**MPPW**) improved capacities of ministry officials in water/ wastewater.
- **Sri Lanka:** **Tri partite MoU** valid for **5 year** signed in 2010 between CSE – Lanka Rainwater Harvesting Forum (**LRWHF**) and Ministry of Water and Drainage (**MWD**) to setup Rain Centre, capacity development of government and non-government practitioners and model projects.
- **Bangladesh:** **MoU with WaterAid Bangladesh** in **2010** for training programmes and supporting model projects. Initial **annual MoU for 2 years** and in **2011-12 renewed MoU valid for 3 years** to continue ongoing activities as well as help in creating enabling environment for creating enabling environment, documentation and dissemination of applied research.

South Asia Water Programme - Overview



Capacity development

- Over **22 trainings** on Sustainable decentralised water management – focussed on Planning and designing RWH, DWWT 5-day duration in Sri Lanka, Nepal and Bangladesh

Total alumni = over 400

Stakeholder briefing workshops on RWH & DWWT (6)

- Bangladesh (3 in Dhaka on and 1 in Chittagong, including Dhaka Rain Convention); Sri Lanka (1 in Colombo); Nepal (1 in Kathmandu):

Total participants - Over 500

Policy workshops

- on Lakes and Groundwater Management (6) – Sri Lanka (3) and Bangladesh (2) including a S.A Lawyer's meet in Delhi on Legal Framework for Urban Lake Protection:

Total participants: Over 300

South Asia Water Programme – Overview



Model projects (rain centres & water innovation information centres)

- Bangladesh (6), Sri Lanka (2) and Nepal (Pilot projects by CSE alumni).

Total implemented = 5 completed and 3 in progress.

Applied research and knowledge dissemination

- Prepared **manuals** on RWH and DWWT in **Bangla**
- **Model Course Curriculum** on mainstreaming RWH & DWWT in Degree courses for Bangladesh.
- Helping partners in promoting best management practices and **documentation, web dissemination** including **social media for scaling up on BMPs as well as network** within country and across South Asia with practitioners.

Way forward



- Discussion with partners