



About CSE and its work in Global South

Sonia D.Henam
Deputy Programme Manager
(Waste Management)



About us and our work

- Set up in 1980.
- Independent public interest organisation that works for policy change, advocacy and research on environmental sustainability and good governance.
- An institution to bridge the gap between information and knowledge; between knowledge and public awareness; to influence public policies and practices for sustainable development.





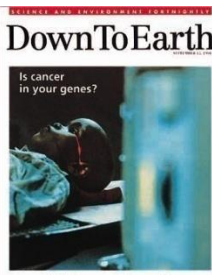





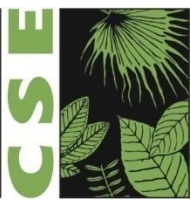


- CSE's work is widely acknowledged for its intellectual leadership and the institution has grown into one of the most influential and highly vocal environmental organisation globally.
- Some prominent domestic and international awards include the 2005 Stockholm Water Prize and the Prince Albert II of Monaco Foundation Water Award in 2008.
- CSE tops the list of 100 most influential environmental organisations globally
- Sunita Narain, the present CSE director, received the prestigious Padma Shri from the Government of India in 2006.



37 years, 170+ staff, learning, sharing & pushing for change in Global South

Policy research & advocacy	Documenting to build knowledge	Disseminating knowledge	Training & education
Sustainable mobility & Clean Air 	Knowledge portal	Down To Earth	Green School Programme
Sustainable habitat	Climate change Resource Centre	Gobar Times	Media Resource Centre
Sustainable industrialisation 		CSE Websites	
Sustainable urban & rural water management 		Books 	Anil Agarwal Green College
Climate change		Films 	Regulators training
Renewable energy			South-South Learning, training and capacity building
Food safety & toxins			



Our purpose as a top-rated environmental think-tank

- To understand the emerging issues of environmental management
- To understand what efforts are being made by government, businesses and people and what can be done further
- To identify possible areas of work and collaboration

Our common objective: Securing a clean and healthy environment as countries grow economically



National Programme

- Ministry of Urban Development, Govt. of India
- Ministry of Environment, Forests & Climate Change, Govt. of India
- Ministry of Rural Development, Govt. of India
- Various state/ UT Governments
- Other stakeholders: Consultants, Academicians, students



CSE's Global Presence

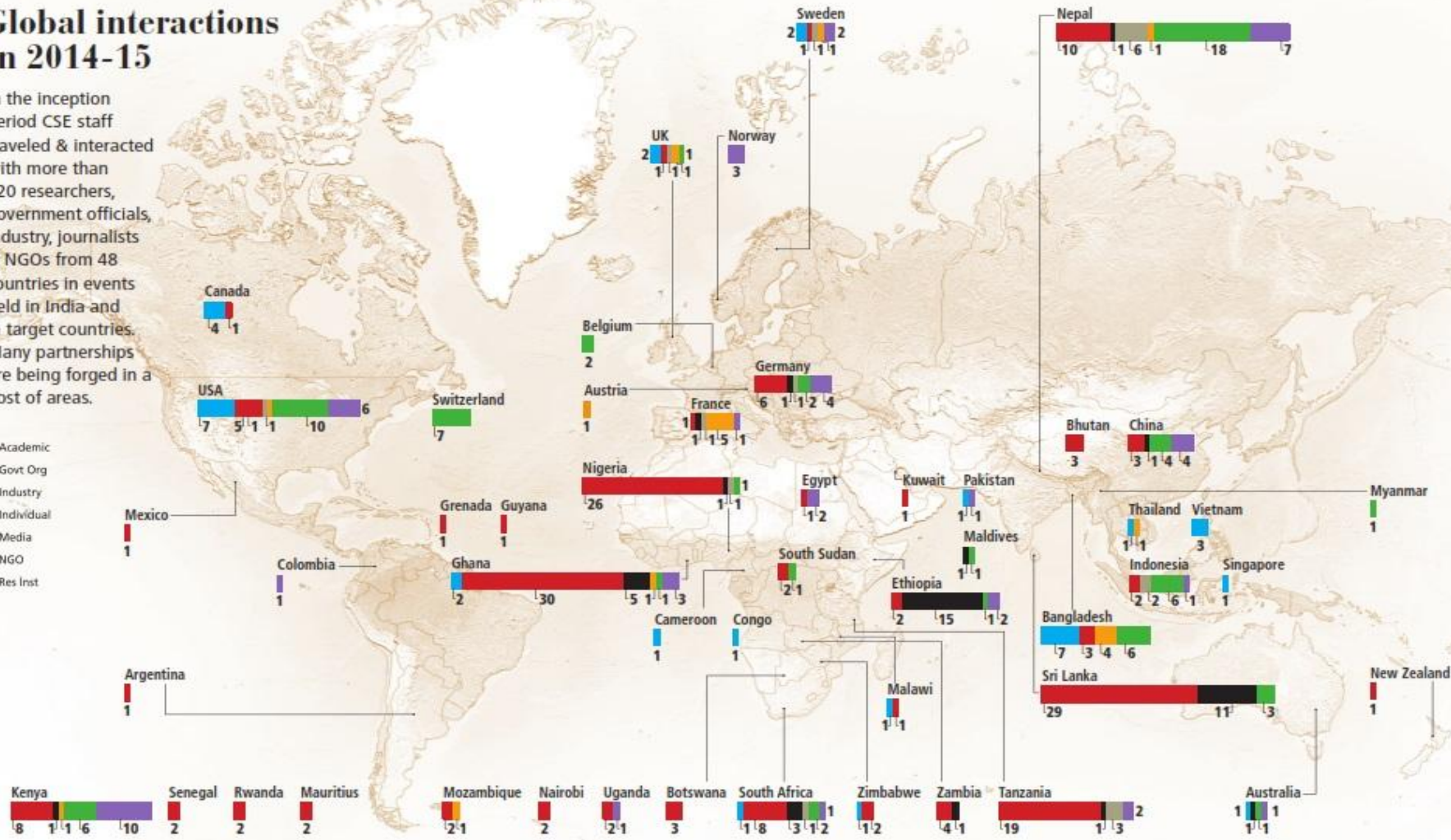


Global Interactions (2014 – 15)

Global interactions in 2014-15

In the inception period CSE staff traveled & interacted with more than 420 researchers, government officials, industry, journalists & NGOs from 48 countries in events held in India and in target countries. Many partnerships are being forged in a host of areas.

- Academic
- Govt Org
- Industry
- Individual
- Media
- NGO
- Res Inst





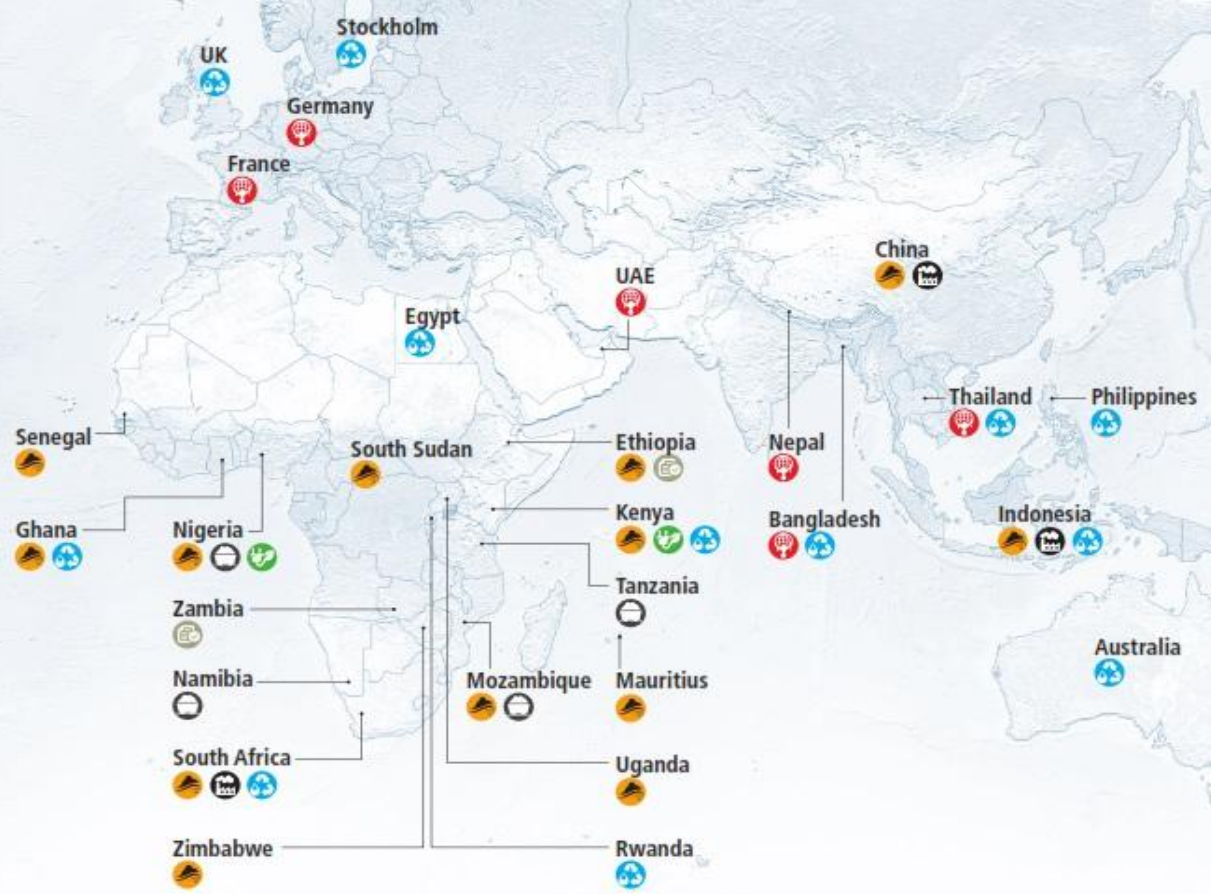
Global Engagements (2015 – 16)

PROGRAMME

- Clean air and clean diesel**
Ethiopia, Nigeria, Kenya, South Sudan, Ghana, Uganda, Senegal, Mozambique, South Africa, Zimbabwe, Mauritius, China, Indonesia
- Industry and environment**
Thermal power plant
Indonesia, South Africa, China
- Mining and EIA**
Tanzania, Mozambique, Nigeria, Namibia
- Compliance**
Ethiopia, Zambia
- Renewable energy**
Nigeria, Kenya
- Climate change**
Germany, France, Thailand, UAE, Bangladesh, Nepal
- Water management**
Rwanda, Ghana, Kenya, South Africa, Egypt, Indonesia, Thailand, Philippines, Australia, UK, Stockholm, Bangladesh

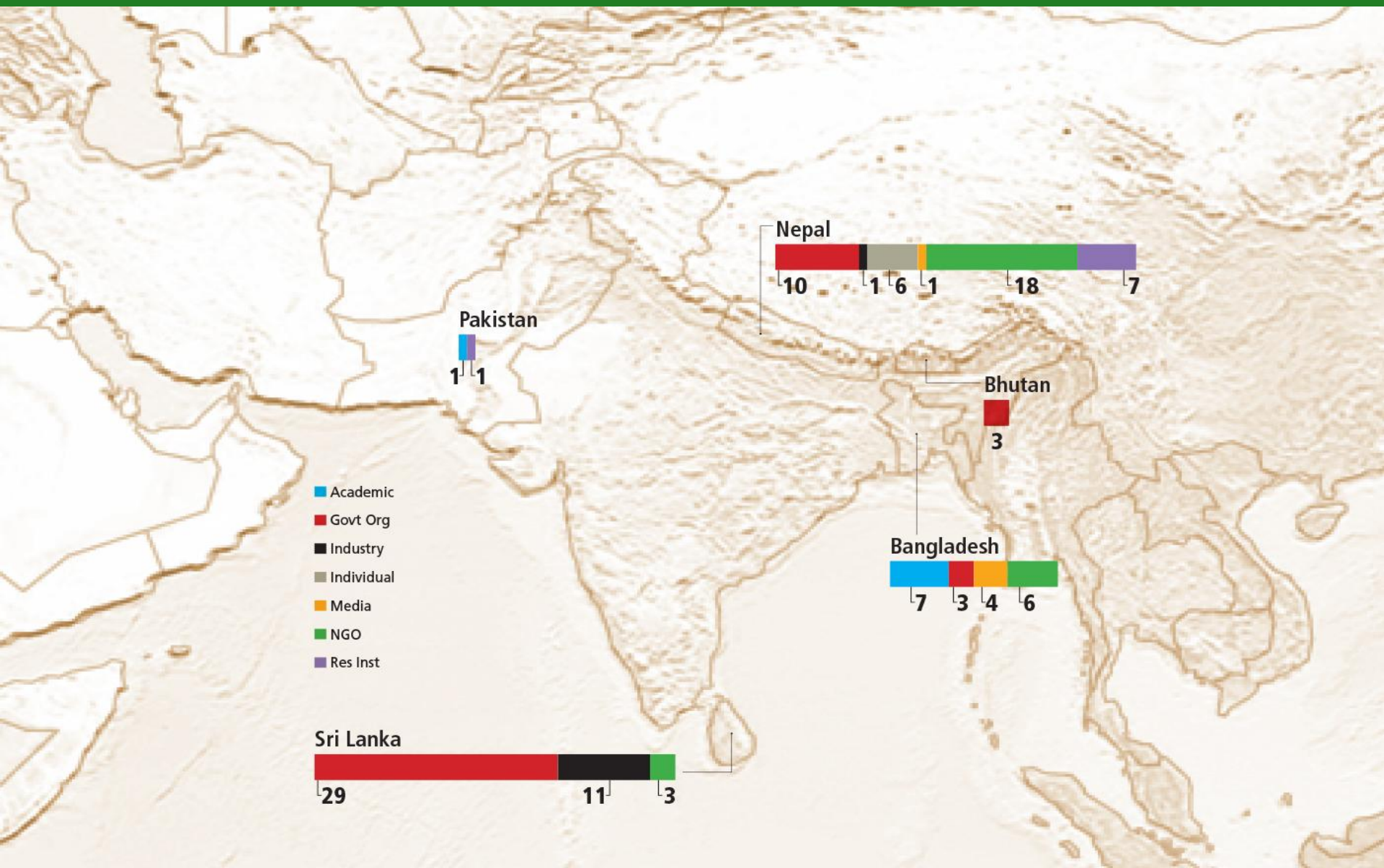
Global engagements for 2015-16

CSE teams will directly engage in activities and/or conduct programmes in 26 countries spread across Africa, Asia, and selectively, in Europe and Australia.





Outreach in South-Asia





ASSOCIATIONS

- Department of Environment (DoE)
- Dept. of Transportation
- Chittagong Municipal Corporation
- WaterAid-Bangladesh (WAB)
- Bangladesh Poribesh Andolan (BAPA)
- Coastal Development Partnership (CDP)
- Work for Better Bangladesh Trust (WBB Trust)
- Bangladesh Centre for Advanced Studies (BCAS)
- Bangladesh Institute of Planners (BIP)

WORK

- **EIA Rules** and 4 sector specific EIA guidelines.
- **Policy level intervention** - meetings, roundtables, seminars and workshops on:
 - ✓ Lake conservation & management
 - ✓ Urban sewage treatment
 - ✓ Air Quality and Sustainable Transportation.
- Capacity building of various stakeholders
 - ✓ More than 100 trained on EA

Sri Lanka



EIA Guidelines on - Cement, Textile, Pharmaceutical, & Coal Mining



EIA Guidelines for Cement Industry

Department of Environment

Ministry of Environment and Forest,
Government of the People's Republic of Bangladesh
January 2010



EIA Guidelines for Textile Industry

Department of Environment

Ministry of Environment and Forest,
Government of the People's Republic of Bangladesh

March 2009



EIA Guidelines for Pharmaceutical Industry

Department of Environment

Ministry of Environment and Forest,
Government of the People's Republic of Bangladesh

March 2009



EIA Guidelines for Coal Mining



Department of Environment

Ministry of Environment and Forests, Bangladesh

March 2009

Bhutan

WORK

- Environment Assessment (EA) guidelines for eight sectors in Bhutan.
- Guidelines for vehicle washing facilities for NEC.
- Inspections of Pasakha industrial estate
- Capacity building
 - ✓ 350 NEC and other regulatory officials in Bhutan on EA, inspection and monitoring.

ASSOCIATIONS

- National Environment Commission (NEC)
- Bhutan Power Corporation (BPC)

■ Industry
 ■ Individual
 ■ Media
 ■ NGO
 ■ Res Inst

Sri Lanka



Nepal

Bhutan

3





དཔལ་ལྷན་འབྲུག་གཞུང་།
རྒྱལ་ཡོངས་མཐའ་འཁོར་གནས་སྤངས་ལྷན་ཚོགས།

Royal Government of Bhutan
National Environment Commission



Every Bhutanese is a trustee of the Kingdom's natural resources and environment for the benefit of the present and future generations and it is the fundamental duty of every citizen to contribute to the protection of the natural environment, conservation of the rich biodiversity of Bhutan and prevention of all forms of ecological degradation including noise, visual and physical pollution through the adoption and support of environment friendly practices and policies - Article 5.1, Constitution of Bhutan

Home

About NEC ▾

Commission Members

Environment Clearance ▾

Climate Change ▾

Waste

Water ▾

Publications ▾

Youth Action for ARs ▾

Archive

» Environment Clearance » EC Application Guidelines and Forms

EC Application Guidelines and Forms

EC Application Sectoral Guidelines:

Name	Type and Size
Guideline for Forestry	.pdf 1.16MB
Guideline for General	.pdf 1.13MB
Guideline for Highway and Road	.pdf 1.23MB
Guideline for Hydropower	.pdf 1.18MB
Guideline for Industry	.pdf 1.41MB
Guideline for Mining	.pdf 1.20MB
Guideline for Tourism	.pdf 1.12MB
Guideline for Transmission	.pdf 1.13MB



May 2012

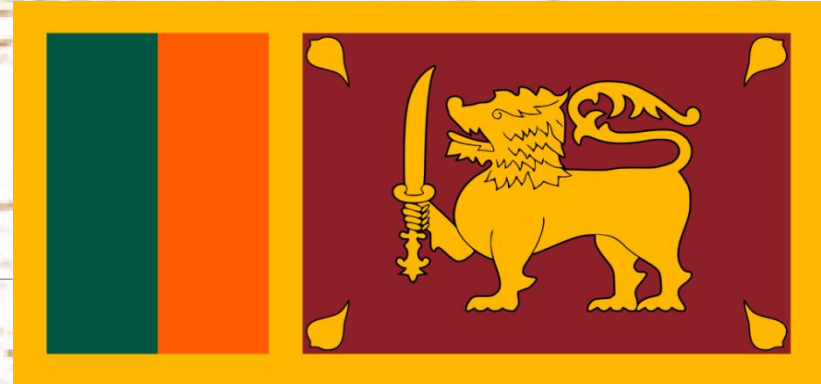
ENVIRONMENTAL ASSESSMENT GUIDELINE FOR HYDROPOWER PROJECTS

National Environment Commission
Royal Government of Bhutan
P.O. Box 446, Thimphu : Bhutan
Tele: 00975-2-323384/324323 Fax: 00975-2-323385
www.nec.gov.bt

Sri Lanka

WORK

- Detailed studies on:
 - ✓ Mobile tower radiation in collaboration with CEA
 - ✓ CKDu study in the north central region of Sri Lanka
- Capacity building of various stakeholders
 - ✓ More than 450 trained on EA, mine management and waste management.



ASSOCIATIONS

- Central Environment Authority (CEA)
- Ministry of Water Supply
- Ministry of Education
- Lunawa Environmental Improvement & Community Development Project (an NGO-Government initiative)
- Ministry of Industry and Commerce
- Lanka Rain Water Harvesting Forum (NGO)
- Television Trust for the Environment-Asia Pacific (TVE-AP)
- Centre for Environmental Justice (CEJ)
- Geological Survey and Mines Bureau (GSMB)

Academic
 Govt Org
 Industry
 Individual
 Media
 NGO
 Res Inst

Sri Lanka



WORK

- Workshops with MoPPW on “*Air Pollution and meeting transport challenges*” CSE flagged key concern areas for the government – helped in revising the ambient air and vehicle emission standards in Nepal. Additional workshops were organized in collaboration with MoPIT.
- Purbanchal University - collaborative research and scientific capacity building activities.
- Guidelines on water, waste, green building and transport planning for all municipalities for KDVA.
- Capacity building in Water & wastewater.



ASSOCIATIONS

- Ministry of Physical Planning and Works (MoPPW)
- Ministry of Education
- Purbanchal University, Nepal
- Centre for Integrated Urban Development (CIUD)
- Environment and Public Health Organization (ENPHO)
- Guthi (NGO)
- Nepal Forum of Environmental Journalists (NEFEJ)
- Ministry of Physical Infrastructure and Transport (MoPIT)
- Katmandu Valley Development Authority (KDVA)





Mobile tower radiation study in India and South Asia

- Commissioned study on radiation from mobile tower in India, Bangladesh, Sri Lanka – to see impact as well as to come out with guideline





CSE'S PRESENCE IN GLOBAL SOUTH



Experience Sharing Workshops:

- First Experience Sharing Workshop on EIA and SIA was conducted in September 15-26, 2014
- 17 participants attended the training programme of which five participants were from South Asia- Bhutan, Bangladesh, Sri Lanka and Mauritius. Rest of the 12 were from Africa, Ghana, Ethiopia, Kenya, Gambia, Nigeria, Botswana, Mozambique, Tanzania, Zambia and Egypt
- Second Experience Sharing Workshop was held on Mining in April 13-18, 2015.
- 14 participants attended the training programme of which five participant from Sri Lanka, Ethiopia, Kenya, Nigeria, Botswana, Mozambique, Tanzania, and Zambia.



Experience Sharing Workshops:

- Third experience sharing workshop was conducted on waste management in Colombo, Sri Lanka, 25-27 February, 2016.
- 11 African countries participated- Ghana, Egypt, Ethiopia, Swaziland, Malawi, Nigeria, Botswana, Tanzania, Mozambique, Kenya and Gambia
- Fourth experience sharing workshop was conducted on compliance and enforcement in Nairobi, Kenya, 14-16 March, 2016. 12 African nations participated

EFFECTIVE AND AFFORDABLE WASTE MANAGEMENT POLICIES AND PRACTICES IN GLOBAL SOUTH: INTERVENTIONS IN GLOBAL SOUTH



Africa-South Asia Conclave on Waste Management in Sri-Lanka, 25-27 February, 2016





Three Day conclave discussed practices in Waste Management, 15 countries, 11 from Africa participated

CSE received request from Swaziland, Malawi, Zanzibar and Namibia





Zanzibar

- **Conducted scoping study in Zanzibar in August, 2016**
- **Presented paper to Secretary, Ministry of Environment**
- **Signed MoU with Zanzibar Environmental Management Authority (ZEMA) on co-operation for reforms in waste management on 27 January, 2017**
 - ✓ **To develop Integrated Waste Management Policy**
 - ✓ **To set up pilot on waste management**
 - ✓ **Help island adopt segregation guidelines**



CSE-ZEMA MoU signing





First bilateral collaboration for Zanzibar

ZEMA, CSE sign MoU on promoting environmental governance in Isles

THE Zanzibar Environmental Management Authority (ZEMA) and Centre for Science and Environment (CSE) of New Delhi in India have signed a Memorandum of Understanding (MoU) that shall focus on strengthening environmental governance in the island.

At the signing ceremony

here, ZEMA Director, Mr Sheha Mjaja, said that the purpose of the MoU was to engage with CSE in a series of capacity building programmes on waste management and environmental compliance.

He said; "under this association, CSE shall closely work with municipal bodies

as well, to improve the status of waste management in the island." It is estimated that Zanzibar generates 270 metric tonnes of garbage per day out of which only half the amount is treated.

"The island depends heavily on tourism and we can't afford to spoil the pristine beauty of this island. Through

CSE's co-operation, we shall be able to work towards solutions for a cleaner Zanzibar," said Mr Tahir Abdulla, the Deputy Principal Secretary, Ministry of Water, Energy and Environment.

He also said that this was the first of its kind bilateral co-operation between India and Zanzibar and he is hope-

ful that this collaboration shall help in national development and shall curb poverty and push for better environment.

Mr Chandra Bhushan, Deputy Director General, CSE highlighted that waste cannot be wasted in our countries and that it was high time we work on decentralised solutions.

"Waste management has to be a routine habit such as that of brushing your teeth," Mr Bhushan said, adding that under the co-operation, CSE will start working on reforms concerning solid waste in Zanzibar and will also closely work with authorities for better compliance and enforcement.



NAIBU Katibu Mkuu Wizara Ardhi, Maji , Nishati na Mazingira, Tahir Mohammed akihutubia katika mkutano wa utaji saina makubaliano ya usimamizi wa mazingira baina ya Mamlaka ya Usimamizi wa Mazingira Zanzibar (ZEMA) na Kituo cha Sayansi na Mazingira cha New Delhi India (CSE), makubaliano hayo yalitiwa saina katika Hoteli ya Zanzibar Beach Resort iliopo Mazizini. (PICHA NA HAROUB HUSSEIN).



wa Mkutano wa utaji saina makubaliano ya usimamizi wa mazingira baina ya Mamlaka ya Mazingira Zanzibar (ZEMA) na Kituo cha Sayansi na Mazingira cha New Delhi India (CSE) a mgeni rasmi.



MKURUGENZI Mkuu wa Mamlaka ya Usimamizi wa Mazingira Zanzibar (ZEMA), Sheha Mjaja akitiliana saina mkataba wa usimamizi wa mazingira na Naibu Mkurugenzi Mkuu wa Kituo cha Sayansi na Mazingira cha New Delhi Nchini India. Chandra Bhushan. mkataba huo ulitiwa saina katika Hoteli ya Zanzibar Beach Resort iliopo



Workshop on Framework for Decentralised Waste Management in Zanzibar, 27th January, 2017





INDIAN and Zanzibar officials pose after the signing of the MoU in Zanzibar yesterday on waste management, which will focus on strengthening environmental governance in the Isles. (Photo by Issa Yussuf)



Swaziland

- Received request from Swaziland Environment Authority for signing MoU
- Conducted scoping visit in October, 2016
- Followed by workshop on waste management for ULBs of Swaziland
- MoU signed between **SEA and CSE on 27 October, 2016**
- To work on adoption of decentralised waste management in one city, **Swaziland pledged to become zero landfill country by 2022**



One day workshop on Waste Management in Swaziland, October, 2016





MoU signing between CSE-SEA





DG - CSE presenting at the WASTE INDABA, Swaziland





SWITCHING TO AN INTERACTIVE INTERPHASE TO SHARE BEST PRACTICES WITH GLOBAL SOUTH



CSE Website

CSE WEBNET [Down To Earth](#) [Gobar Times](#) [Rain Water Harvesting](#) [CSE Store](#) [India Environment Portal](#) [Renewable Energy](#) [Green Clearance Watch](#) [ICRN](#)



Centre for Science and Environment

[ABOUT CSE](#)

Who we are

[DONATE](#)

Support CSE

[JOBS](#)

Work/Volunteer/Intern

[BLOGS](#)

CSE Bloggers

[PRESS](#)

CSE in news

[CONTACT US](#)

Forum

Latest News > [er institute in Lucknow](#) [Plan for free generic drugs scheme shelved](#) [Spotted a dying tre](#)

Search

[Home](#) | [Air Pollution](#) | [Water Management](#) | [Industry & Environment](#) | [Education & Training](#) | [Food safety and toxins](#) | [Climate Change](#) | [Media](#) | [Renewable Energy](#) | [Sustainable Building](#) | [Knowledge Dissemination](#)



LATEST CSE PRODUCTS

FIRST FOOD: A Taste of India's Biodiversity

Authors: Sunita Narain & Vibha Varshney

Pages: 168

Price: Rs. 950.00 (US \$60)

[READ MORE >](#)

Pause

1 2 3 4 5

Call for Abstracts

Fourth National Research
Conference on Climate Change



[LEARN MORE](#)

Rate your city

Air quality and mobility



TAKE THE
SURVEY

[Top Down To Earth Stories](#)



Announcements

Media Briefing Workshop:
Environmental remediation in and
around the Union Carbide factory in
Bhopal

Date: August 1, 2013

**Training programme on 'Designing of
Rainwater Harvesting for
Sustainable Drinking Water Supply
System' for UP Jal Nigam and WSSO
officials**

Date: August 5-8, 2013

**Conference on 'Mini-grid
development in India', Raipur**

Date: 12 - 14 August, 2013

**BUILDING BETTER: Certificate Course
for Sustainable Building Practices
and Policies**

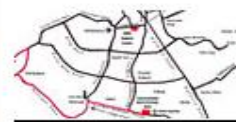
Date: September 2-6, 2013

CSE Annual South Asian Media

Follow us on

Centre for Science
and Environment

Right To Clean Air
Campaign



**Roadmap to CSE
offices**

Green Clearance Watch

A public information
system to track
environmental and
forest clearance of
industrial and
development
projects in key
sectors from April
2007 till date

[VISIT SITE](#)



Down to Earth website

CSE WEBNET

CSE

Down To Earth

Gobar Times

Rain Water Harvesting

CSE Store

India Environment Portal

Renewable Energy

Green Clearance Watch

ICRN

[Log in](#) | [New user \(Subscribe here\)](#) | [Renew subscription](#) | [Forgot your password?](#)

Follow us on



SCIENCE AND ENVIRONMENT ONLINE
Down To Earth

[Home](#)

[News](#)

[Analysis](#)

[S & T](#)

[Editorial](#)

[Columns](#)

[Blogs](#)

[Food](#)

[Interviews](#)

[Book Review](#)

[Photo Gallery](#)

[Print Archive](#)

[E-Magazine](#)

The big challenges for Telengana

As the Congress-led United Progressive Alliance meets to decide on the demand for a separate state of Telengana, a look at some of the uphill tasks the new state will face

[READ MORE](#)

Photo: Reuters



EU, China settle row over solar panel dumping

MoEF's forest panel rejects Dibang, Tipaimukh hydel projects

MERS virus may spread to India post Haj

Participation or takeover?

Rs 27 per day: India's new rural poverty line

Search



Latest Issue

July 31, 2013

COVER STORY

Dark twist to bright tale

[Subscribe here](#)





Multimedia

Africa Environment News, Global Warming
Issues, Reports, Articles

MULTIMEDIA

PHOTO
GALLERY

VIDEO
INTERACTIVES



**Problems faced by the Bahima, a
nomadic pastoral community of Uganda**



**Antimicrobial
resistance in
Kenya: interview
with Samuel
Kariuki**

Samuel Kariuki is professor
and head, Centre for
Microbiology Research at



**Remote Sensing:
the biggest tool to
study climate
change**

Jadu Dash is a professor of
remote sensing at the faculty
of social, human and
mathematical sciences within
research and environment at



Best practices and case studies

RELATED

SOLID WASTE

WASTE TO ENERGY CONVERSION

WASTE TO ENERGY RECYCLING

ZANZIBAR

GARBAGE

CAPITAL WASTE

CAN DEVELOPMENT
(AFDB)

TE

Africa's waste challenge

Swati Singh Sambyal

@swatissambyal

Wednesday 15 March 2017

For Africa, solid waste management is becoming a major concern. The writer reports from Zanzibar and Swaziland on how two contrasting scenarios are offering solutions



In Zanzibar (extreme left), authorities collect only 40 per cent of garbage.





Indian Environmental Portal

CSE WEBNET

CSE

Down To Earth

Gobar Times

Rain Water Harvesting

CSE Store

India Environment Portal

Renewable Energy

Green Clearance Watch

ICRN

Managed by the Centre for Science and Environment | Promoted by the National Knowledge Commission

India Environment Portal

KNOWLEDGE FOR CHANGE

Follow us on



About Us

Contact Us

Newsletter

Home | News | Topic Tree | Resources | Indepth | Climate Change | Renewable Energy | South Asia | Directory | Blogs | Multimedia |

Search

Select Language ▼

Browse by subject

Environment

Water Pollution

Air Pollution

Forests

Land

Agriculture

Animal Care

Food Policy

Mining

Water Resources

Dams/ Irrigation

Fisheries

Atmosphere And
Ozone Layer

Climate Change

Natural Disasters

Health

SPECIALS



Defeat for Vedanta as tribals rejects mine plans in Niyamgiri

The overwhelming rejection by Dongria Kondh tribals, of a proposal to mine their sacred lands in Niyamgiri Hills is an unprecedented victory for indigenous rights in the face of business interests. Read this press release by Amnesty International.

Tags: Vedanta Aluminium, Kalahandi, Mining, Bauxite, Orissa, Dongria Kondh, Tribals

See Also

- In-court: Supreme Court judgement on Orissa mining Corpn. dated 18/04/2013.
- Report: Lanjigarh development story.
- Report: Vedanta's perspective uncovered
- Document: Expansion of Alumina refinery and power plant at Lanjigarh.
- Report: EIA report for expansion of Alumina refinery from 1 MMTA to 6 MMTA...
- Report: Expansion of Alumina Refinery from 1 MTPA to 6 MTPA.
- In-court: Orissa High Court judgement on Vedanta, July 19, 2011.

IN DEPTH
MINING



Energy

Gujarat Wind Power Policy 2013



Gujarat Chief Minister

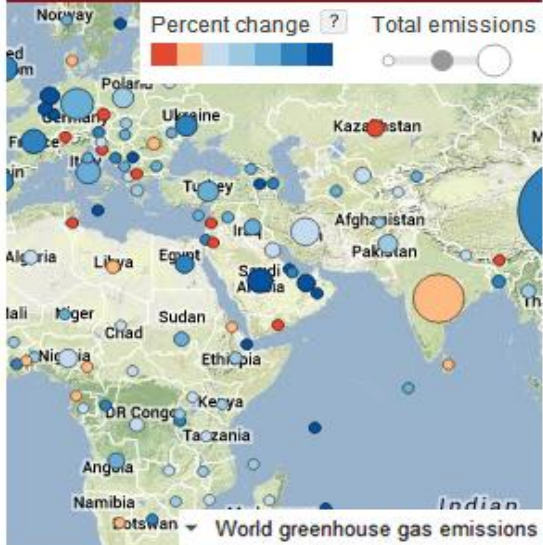
Energy

The world nuclear industry status report 2013



This World Nuclear

WORLD CO2 EMISSION BY COUNTRY



Newsletter Sign-Up

Email *

Sign up for weekly alerts from the India Environment Portal to keep up with the state of

The background of the slide is a solid light green color. Overlaid on this background are several stylized, dark green line drawings of foliage. At the top center is a large, fan-shaped frond, likely from a palm or a similar tropical plant, with many fine, radiating lines. In the bottom left corner, there are two smaller, elongated leaves with distinct, rounded lobes. In the bottom right corner, there is a larger, more complex leaf with a prominent network of veins. At the very bottom center, there is a small, delicate fern frond with several small, pointed leaflets. The overall aesthetic is clean and naturalistic.

Thank You