

Institute for the Advanced Study of Sustainability



REGIONAL CENTRE OF EXPERTISE ON EDUCATION FOR SUSTAINABLE DEVELOPMENT

ACKNOWLEDGED BY



Education through Multi-stakeholder Partnerships in implementing the Biodiversity Agenda:

RCE Network

CBD- COP 13, Cancun Mexico, 2016

1. Development of the UN Decade of Education for Sustainable Development (DESD)

1992	 • UN Conference on Environment and Development (Rio Summit) • Agenda 21 (Chapter 36)
2002	 World Summit on Sustainable Development (Rio+10, Johannesburg) UN General Assembly adopted Resolution on the DESD
2005	• UN Decade of ESD launched (2005-2014)
2009	• Mid-Decade Year - World Conference on ESD (Bonn, Germany)
2012	• UN Conference on Sustainable Development (Rio+20)
2014	• Final Year of the DESD – UNESCO World Conference on ESD (Aichi-Nagoya)
2015	 MDGs Target Year Global Action Programme on ESD and Sustainable Development Goals (SDGs)

UN Conference on Environment and Development (Earth Summit) in Rio de Janeiro (1992)

- Rio Declaration on Environment and Development Principle 10 "Environmental issues are best handled with participation of all concerned citizens, at the relevant level. "
- Agenda 21 Chapter 36 (Promoting Education, Public Awareness and Training)
 - Improve access to quality basic education;
 - Reorient existing education programmes to address sustainable development;
 - Develop public understanding and awareness on sustainable development; and
 - Provide training programmes for all sectors of private and civil society.

 \rightarrow Education to enable us to better contribute to sustainable development

World Summit on Sustainable Development in Johannesburg, Rio+10 (2002)

UN Decade of Education for Sustainable Development (DESD: 2005-2014)

- Proposed by Japanese Government and NGOs
- Adopted by UN General Assembly in December 2002

Vision of ESD

To create a world where everyone has the opportunity to benefit from quality education and learn the values, behaviour, and lifestyles required for a sustainable future and for positive societal transformation



UNU-IAS ESD Programme

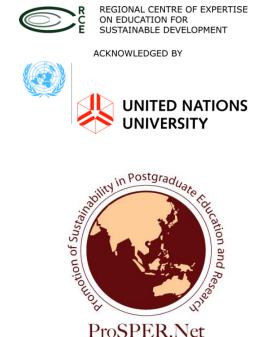
Launched in 2003 with funding support from the Ministry of the Environment of Japan to contribute to the UN DESD

Flagship initiatives

Regional Centres of Expertise on ESD (RCEs) Regionally based multi-stakeholder network

Promotion of Sustainability in Postgraduate Education and Research Network (ProSPER.Net)

Academic alliance in Asia-Pacific region to integrate ESD in post-graduate education and curricula



UNU – Global RCE Network



ACKNOWLEDGED BY

- Proposed by UNU as its contribution to DESD
- A network of diverse partnerships among educators, researchers, policymakers, youth, indigenous leaders and throughout the public, private and NGO sectors
- Serve as an innovative platform for multi-sectoral and interdisciplinary information-sharing, dialogue and collaboration at local and global levels
- RCEs aspire to achieve the goals of DESD by translating its global objectives into regional-local contexts
- Acknowledged by UNU based on the recommendations of the Ubuntu Committee of Peers for RCEs

Ubuntu Alliance

Ubuntu Alliance: a strategic alliance of the world's leading education, science and technology organizations working toward achieving sustainable development (formed during the 2002 Johannesburg Summit)

United Nations University (UNU)

United Nations Educational, Scientific and Cultural Organization (UNESCO) United Nations Environment Programme (UNEP)

International Association of Universities (IAU)

Academy of Sciences for the Developing World (former TWAS)

African Academy of Science (AAS)

Science Council of Asia

International Council for Science (ICSU)

World Federation of Engineering Organizations (WEFO)

Copernicus Alliance

Global Higher Education for Sustainability Partnership (GHESP) University Leaders for a Sustainable Future (ULSF) The World Conservation Union (IUCN) The Association of African Universities (AAU)

Regional Centres of Expertise on ESD (RCEs)

Formal education

Non-formal and Informal education

(Research centers) Universities Universities Secondary Secondary

Schools Schools

Primary Primary Schools Schools

Vertical links

Lateral links (Science) museums Botanical gardens Zoos Natural parks Local governments Community leaders Media Local businesses Local NGOs

Horizontal links

The Global RCE Network



UNITED NATIONS UNIVERSITY UNU-IAS Institute for the Advanced Study of Statianability For more information rceservicecentre@unu.edu

The Global RCE Service Centre Education for Sustainable Development Programme United Nations University Institute for the Advanced Study of Sustainablity (UNU-IAS)

Major RCE Activities

•SD into E and E into SD

•Policy Engagement

International policy process (e.g. UNESCO-GAP, 10 YFP, CBD, SDGs, UNFCC)

➤ Regional processes (e.g. ASEAN, SADC)

- > National (e.g. Govt. of Japan, NEMA, Kenya, Indonesia),
- Sub-national/local (e.g. Tongyeong, Grand Rapids, Saskatchewan)
- Research and Development

Capacity building

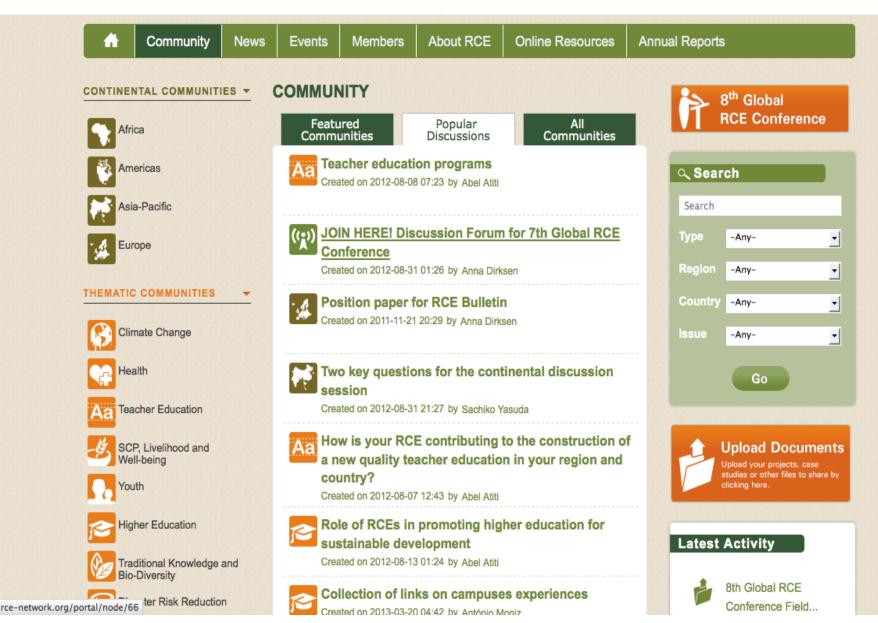
Thematic, strategic and operational areas of collaborative work of RCEs

- Biodiversity and ESD
- Traditional Knowledge and ESD
- Climate Change and ESD
- Health and ESD
- Teacher Education & Better Schools
- SCP & Sustainable Livelihoods and Well-being
- Youth and ESD
- Higher Education
- Disaster Risk Reduction and ESD
- Inclusive Development and Learning
- Migration

- Capacity Development
- Assessment of RCEs
- Fundraising and Marketing
- Communications and Outreach
- Policy National, Regional and International Sustainability Processes



RCE Portal



RCE E-Bulletin



Issue 27: September 2013

Message from the Global RCE Service Centre:

Dear colleagues and friends

The deadline to receive nominations for the RCE Award and your RCE Annual Reports is fast approaching. This year we are combining the annual reporting process with the RCE Award nomination process to make it easier on all RCEs to submit annual report information and nominate projects for an RCE Award, without filling information in twice. Please note that while it is not necessary to complete the annual reporting process in order to submit a project for an RCE Award, it is strongly encouraged.

To fill out your annual report, please visit the RCE Portal by clicking here: http://rce-network.org/portal/createreports. You must be given special access to create online reports. If you have logged into the RCE Portal and find you do not have access to the forms, please contact the Global RCE Service Centre (rceservicecentre@ias.unu.edu) requesting access and you will be granted that status. If you do not have a login for the portal or you have forgotten your username and password, please email rceservicecentre@ias.unu.edu and your information will be reset.

Once you have filled out your annual report, you may automatically submit any of your projects for the RCE Award. To do so, please go to the Awards section of the portal: http://rce-network.org/portal/awards. Click on the button that says "Click here to nominate a project that you have already reported on in your Annual Report"; you will be given a drop down menu of all of your 2013 projects. Click on the project you would like to nominate, verify that all the information on the project is correct and fill out the extra RCE Award-related questions before submitting your project for consideration.

For those RCEs who would prefer to nominate a project for an RCE Award before filling out their annual report, please go to the Awards section of the portal: http://rce-network.org/portal/awards. Click on the button that says "Click here to submit a new project for the RCE Award" and fill out the nomination form. Again, you will need to have logged into the Portal to submit an award and be given appropriate access to fill out the forms. If you do not have a login for the notific a the former a login for the nomination form.

- Issued monthly
- Upcoming ESD-related Events
- Latest News
- Invitations for collaboration
- New Publications and Resources

REGIONAL CENTRES OF EXPERTISE

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There are more than 100 Regional Centres of Expertise on Education for Sustainable Development operating worldwide. NEVERULTICETIN UDVELIGUTINU WUTLOWICE. Isadi Rice empowers solide weten is community takas networ, mora suban-tele tes to reason a social wet en el damanos, escuelare el takas terv netet to crease social and envecemental change.

THE UNITED NATIONS. RCEs. Two years later, THROUGH ITS DECADE seven RCEs were officially OF EDUCATION acknowledged. The netwo FOR SUSTAINABLE tripled in size in its first year DEVELOPMENT (DESD and it continues to expand 2005 - 2014), stressed oday, with RCEs in Afric visting education : Pacific, Europe and the Middle stahubility, Education To austainable development The RCE Network's ties to the alos people better nderstand themselves and United Nations remain strong their links to the wider natural The Global RCE Service

Centre is headquartered. also helps individuals the United Nations University Institute of Achienced Studie nd communities adopt. in Yakohoma, Japan, At nable all to live a full life headquarters and in each ithaut being deprived of of the regions, the RCE mountly works close with UN agencies such In 2003, in response to that as UNESCO, UNOP and call. United Nations University UNICEF developing uplicie

Institute of Advanced Studies Implementing program aunched a programme on Education for Sustainable Development and develope

FOR MORE INFORMATION ABOUT BEES OR TO BECOME A MEMBER OF THE NETWORK, PLEASE CONTACT The Global RCE Service Centre Education for Eustainable JALLAN

Education for Sustainable Development Programme

ABOUT US

GOAL OF THE PROGRAMME

FLAGSHIP INITIATIVES

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OUR PARTNERS

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UNU-IAS has been closely collaborating with the Ubuntu ance - an alliance of the world's foremost educational titutions who are signatories of the ducation, Science & Technology for

UNITED NATIONS The Ubuntu Alliance aims to: etween science and technol cators; UNU-IAS e and technology into educational able development; and

n between formal and non-formal e of Peers for the BCEs meets once a plications and recommend acknowl-CEs. UNU-IAS closely collaborates

esignated lead agency for the DESD, ies through the UN Inter-Agency e DESD. In addition to RCEs and ProSPER. also collaborate with influential research estitutions and regional organisations nd UNECE.

REWE TODAY

ICE Service Centre and the ProSPER.Net ave been established at UNU-IAS to provide o individual RCEs and ProSPER.Net members y, and to facilitate their communications, netnd research and development activities. In the of the DESD, RCEs and ProSPER.Net have sucobilised support for the DESD and increased

National governments, such as those of Japan, Kenya

and Denmark, have recognised RCEs as an effective strategy to implement ESD. The ASEAN Environmental Education Action Plan (2008-2012) recognizes RCEs as partners. RCEs collaborate on key sustainability topics such as

REGIONAL CENTRES OF EXPERTISE

As of April 2012, there are 26 RCEs in Europe, 41 in

Asia-Pacific, 18 in the Middle East and Africa, and 16 in the Americas.

biodiversity, health, climate change, sustainable production and consumption, noverty, youth, higher education, transitional knowledge, teacher training for ESD and institutions of higher education.

PROSPER.NET

Current ProSPER.Net joint projects include: design of short courses and modules on social entrepreneurship skills; development of training materials for business

schools on principles adopted by the United Nations Global Compact

a Young Researchers' School on sustainable develop for graduate students and post-doctoral fellows,

innovative pedagogies in poverty reduction;
 e-learning programme on public policy and

sustainable development practice; faculty training materials on sustainable

development; and

an alternative university appraisal system.

RESEARCH AND PUBLICATIONS

The ESD programme's researchers have published numerous articles on ESD, RCEs and ProSPER.Net in peer-reviewed academic journals, and edited special issues of the International Journal of Sustainability in Higher Education and a special section on RCEs in the Journal of Education for Sustainable Development.



IGES Policy Report, No. 2012-06

Monitoring & Evaluation of Education for Sustainable Development

A FRAMEWORK OF THE MAIN FACTORS AND IMPORTANT LEVERAGE POINTS IN THE IMPLEMENTATION OF EDUCATION FOR SUSTAINABLE DEVELOPMENT IN THE ASIA-PACIFIC REGION

Produced as part of a joint research project by UNU-IAS and IGES to develop Indicators of Education for Sustainable Development to conduct monitoring and evaluation of its implementation in the Asia-Pacific Region

(a)UNITED NATIONS UNIVERSITY UNU-IAS institute of Advanced Statio

PARTNERS & WIDER The RCE Global Network works closely with hundreds of partners at the local, regional and global levels, its partnership with UNESCO, the designated lead agency for the United Nations Decade of Education for Sustainable Development 2005-2014 is among its most significant. The RCE Network also works dosely with the Ubuntu Aliance, an alliance of 14 of the world's foremost educational and scientifichechnological institutions that together signed the Uburtu Declaration at the Johannesburg Summit in 2002.

Some of the network's major partners include: · Academy of Sciences for the Developing World Atrican Academy of Science Association of African Universities Association of University Leaders to a Sustainable Future · Copernicus Alliance Global Higher Education for Sustainabilit Partnership International Association of Universities International Council for Science Science Council of Asia · United Nations Educational, Scientific and Cultural Organization

 United Nations Environment Programm United Nations University World Conservation Union World Federation of Engineering Organ

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Regional Centres of Expertise on Education for Sustainable Development

TRADITIONAL KNOWLEDGE AND BIODIVERSITY

IGES Policy Report, No. 2012-06

Monitoring & Evaluation of Education for Sustainable Development

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African Heritage Knowledge in the context of Social Innovation

Regional Centres of Expertise on Education for Sustainable Development

Editors: Rob O'Donoghue, Soul Shava, Cryton Zazu

LEARNING CONTRIBUTIC THE REGIONAL CENTRES EXPERTISE ON EDUCATIC SUSTAINABLE DEVELOPM

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RCE Recognition Award





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Themes

- Biodiversity
- Traditional knowledge
- Climate change
- Disaster risk reduction
- Health
- Higher education
- Inclusive development & learning
- Sustainable consumption & production
- Teacher education
- •Youth

Global RCE Conferences

- 2006 Yokohama, Japan
- 2007 Penang, Malaysia
- 2008 Barcelona, Spain
- 2009 Montreal, Canada
- 2010 Curitiba, Brazil
- 2011 Kerkrade, the Netherlands
- 2012 Tongyeong, Korea
- 2013 Nairobi, Kenya
- 2014 Okayama, Japan
- 2016 Yogyakarta, Indonesia

Regional networks and meetings





Unique Features of RCEs

- Multistakeholder Approach and Transformation in Local Governance
- Transdisciplinary and Participatory, Social Learning
- Formal, informal, non-formal learning
- Learning for Locally Relevant Assessments and Methodologies
- Learning about Multiple Values and Value Systems

RCEs, Biodiversity & Traditional Knowledge











Africa region

- RCE Makana Situated social learning several examples such as water, biomass energy, health and nutrition, agriculture, biodiversity, sewage, waste, sustainability partnership project and a curriculum framework for social learning research. These are aligned with Africa learning resource approach of the region.
- RCE Roma Lesotho Lesotho highlands knowledge and incorporation in school curriculum
- RCE Kano Revitalizing local knowledge, health, malaria
- RCE Mao Complex Traditional knowledge, health, and nutrition
- RCE Mbarara Traditional knowledge and health

Europe

• RCE Espoo - Encounters -for sustainable lifestyle project

Americas

- RCE Guatemala Incorporation of Mayan culture in university curriculum, programs related to Nagoya protocol
- RCE Greater Burlington, RCE Western Jalisco, RCE Lima, RCE Bogota, RCE Curitiba, RCE Borderlands Mexico, RCE Portlands, RCE Saskatchewan, RCE Grand Rapids etc.

Asia region

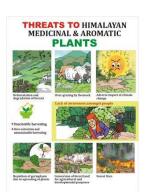
- RCE Cairo Traditional health practices
- RCE Kyrgyzstan Jethiata project, medicinal plants, traditional handicrafts
- RCE Chubu Online platforms, COP 10 /11 processes
- RCE Northern Mindanao School curriculum Experience of integrating mother tongue education
- RCE Cebu Forest restoration project
- RCE Greater Phnom Penh Organic farming
- RCE Penang Traditional healers and community health, nutrition
- RCE Kalimantan Home gardens program
- RCE Yogjakarta Traditional foods project, community enterprises and livelihoods
- RCE Kodagu Sacred groves conservation
- RCE Srinagar Agro biodiversity, Medicinal plant conservation
- RCE Goa Community knowledge and biodiversity
- RCE Greater Dhaka (Bangladesh) Organic farming, Biomass recycling, and on tribal culture of Bangladesh, community conservation
- RCE East Arunachal Pradesh Heritage Education





































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Community Learning Exchange



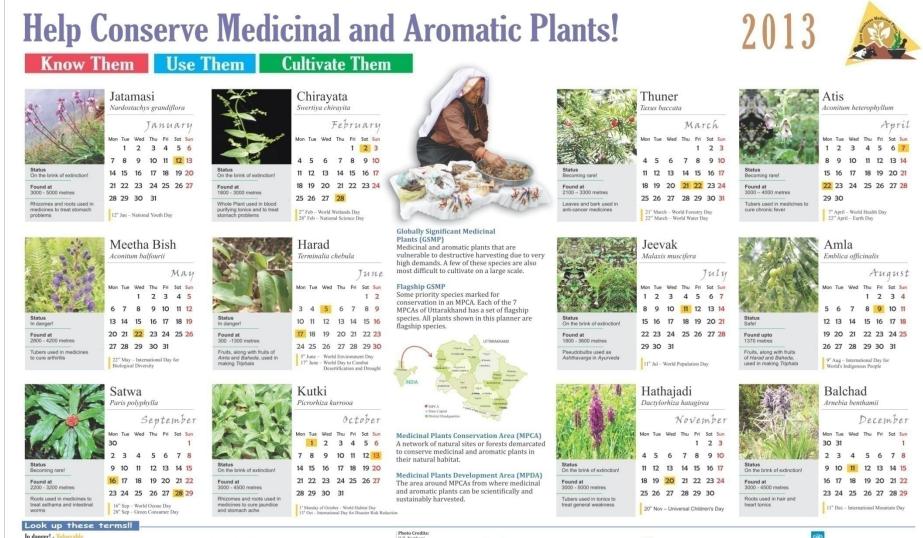




RCE Approaches/Methodologies of TK

- Situated social learning processes
- Learner led mediation processes
- Revitalizing traditional knowledge in life situations through a see-judge-act approach
- Integration of mother tongue education and reinforcing identity
- Bridging research
- Developing learning case modules for capacity development based on good practices

Learning Materials



Becoming rare! - Endangered On the brink of extinction! - Critically Endangered Designations from the International Union for Conservation of Nature Red List of Threatened Species

State Medicinal Plants Board (SMPB) Uttarakhand 94, Vasant Vihar, Phase-II, P.O. New Forest, Dehradun -248 006 Telefax: 0135-2769918; Email: undpgefuk@gmail.com; Web: www.herbaluttarakhand.org

For further information please contact:

S. Rana CEE Himalaya FRLHT Bar SMPB, Uttarakhan

H.B. Naithani



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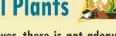




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Sustainable Harvest of Medicinal Plants



Medicinal and Aromatic (MAPs) are in high demand. However, there is not adequate supply. In order to bridge this gap, MAPs from the wild are being over-extracted for higher profits. This is threatening the existence of the plants. Slow-growing plants with poor regeneration potential are especially being pushed to the brink of extinction.

Therefore, MAPs need to be harvested wisely, meeting our needs of the present and ensuring adequate supply in future. If we harvest plants in a scientific, sustainable and responsible manner, we will have plenty left for the future.

Here are some useful tips for sustainable and scientific harvesting:

For Roots & Tubers

Do not uproot a plant entirely, leave the younger roots and tubers intact so the plant can continue to grow.



For Bark

Stripping the bark completely exposes a tree to infection, decay, death and stunted growth. Remove the bark only in patches.



CEE

For Twigs/Branches

For Young Trees

Do not harvest and uproot

young trees. Allow them

I-AIM

to grow. They will yield

higher returns when

Do not cut the tree trunk or big branches. Collect only twigs. Allow the tree to regenerate.



For Seeds

Leave some ripe seeds behind. These will germinate to give more trees.





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Wish to cultivate medicinal and aromatic plants?



Visit Jadi Booti Shod Sansthan (HRDI), Chamoli. HRDI provides information, training, seeds & saplings of medicinal plants free of cost. HRDI has a master trainer available in every district. Call the HRDI, Chamoli office for

information on local trainers.

If a cultivator wishes to purchase planting materials from other sources. HRDI offers a 50% subsidy on the total planting costs (includes planting material, water, labour cost etc.). Planting costs for all species are fixed by the State Government.

Center for Aromatic Plants (CAP) and Bhesaj Vikas Ikai also provide planting materials and related services. CAp provides training and planting materials for aromatic plants. Bhesai Vikas Ikai has coordinators in every district.

IMP: Before leaving, collect registration forms from HRDI as they need to be filled in later and sent back for registration purposes.

esaj Vikas Ikai & Bhesaj Sangh A. Bengali Library Road, Dehradun

JOURNEY OF A MEDICINAL & AROMATIC PLANTS CULTIVATOR



Which species did you

get: in what quantities

Within one month, HRDI / CAP / Bhesaj Vikas Ikai will verify if at least 75% of planting materials have been planted in the fields.

on't forget to record the date! If everything is declared to be in order, send the filled-in registration form to **HRDI** for registration. No other organization is authorized to give registration certificates.

Resume farming



Carry the raw material directly to one of the mandis for auctioning.



Approach the Van Nigam / HRDI / CAP / Bhesaj Sangh / SMPB for guidance regarding markets / interested buyers for both raw material and processed products.



ransit Pass Alert

When will you harvest

your produce? ----

One month prior to harvest, apply to HRDI for Transit Pass. Either HRDI or CAP will visit to determine the expected

quantity of harvest

Engage in scientific harvesting of produce as directed during

I-AIM



Herbal Mandia biwal Mandi, Rishi Wab- ware bedink or

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on Dates: 7 & 22 of every

ion Dates; 15 & 30 of every i

Are you ready to send

the registration form?

CEE

the training.





profits) before selling the Sell the raw products to private buyers. material directly to a private buyer.



Once the Transit Pass has been obtained, the cultivator has 4 options to market the produce.



Thank you !