

## Analysis of ICIMOD's level of success and reasons for selected innovations in the past twenty years

Innovation	Impact	Evidence	Approach and Reasons
Mountain Perspective Framework	High	<ul style="list-style-type: none"> <li>Globally, regionally, and nationally adopted for policy development, planning, and investments</li> <li>High academic interest and practical application in RMCs</li> </ul>	<ul style="list-style-type: none"> <li>Analysis of mountain specific natural, physical, and socioeconomic conditions and needs</li> <li>Representation at various fora for a continuous advocacy and use in mountain-specific learning</li> <li>Continued involvement of responsible and trained staff</li> </ul>
Community-based Natural Resources Management	High	<ul style="list-style-type: none"> <li>Adoption of more community-based approaches in forest and NR management in Nepal, Bhutan, and the region</li> <li>Watershed management in India, Pakistan, Nepal, and China</li> <li>Rangeland management in Bhutan, China, and Nepal</li> <li>Proper shifting cultivation innovations adopted by policy makers in NE India and Nepal</li> <li>Publications and outreach</li> </ul>	<ul style="list-style-type: none"> <li>Involvement of other donors, partners, and existence of long-term donor interest</li> <li>Relevance to the countries and local communities</li> <li>Programme-based not project specific</li> <li>Established institutional partnerships</li> <li>Regional exchanges &amp; networking</li> <li>Formed grassroots associations</li> <li>Shifting cultivation adopted multistakeholder consultation process</li> </ul>
Biodiversity Conservation	High	<ul style="list-style-type: none"> <li>Transboundary management – Nepal and TAR, China</li> <li>Biological corridors in the Kanchenjunga landscape</li> <li>Conservation and multiplication of indigenous honeybees</li> <li>Established links to global conventions</li> </ul>	<ul style="list-style-type: none"> <li>Conducive geo-political environment</li> <li>Long-term commitment and sustained activities</li> <li>Adequate information and knowledge generated for developing advocacy strategies</li> <li>Focused area of intervention both discipline-wise and geographically</li> <li>Strategic partnerships with the Convention on Biodiversity Secretariat</li> </ul>
Mountain Tourism	High	<ul style="list-style-type: none"> <li>Adoption of community-based tourism in Nepal</li> <li>Incorporation of eco-tourism policies and strategies in RMC's investment and development plans</li> <li>Use of training manuals, policy briefs, and e-portals</li> </ul>	<ul style="list-style-type: none"> <li>Adequate analysis of the tourism industry in the mountain perspective</li> <li>High potential for income generation and benefits</li> <li>Long-term engagement of relevant staff</li> <li>Convergence with national and sub-national policies and programmes</li> </ul>

Innovation	Impact	Evidence	Approach and Reasons
Mountain Risk Engineering	High	<ul style="list-style-type: none"> <li>• Wide-scale adoption by RMCs in road stabilisation</li> <li>• Training manuals used by RMCs</li> <li>• Curricula prepared and adopted by Tribhuvan University</li> </ul>	<ul style="list-style-type: none"> <li>• Relevance to the reduction of physical vulnerabilities particularly the green road concept, landslide stabilisation</li> <li>• Number of case studies conducted &amp; results shared</li> <li>• Targeted capacity building of engineers</li> <li>• Application of multi-disciplinary tools consistently from research to application</li> </ul>
Seabuckthorn Cultivation	High	<ul style="list-style-type: none"> <li>• Large-scale plantations in India, Pakistan, and Nepal</li> <li>• Establishment of industries in Chitral, Pakistan; Ladakh, India; Mustang and Manang in Nepal</li> <li>• Private sector involvement in some RMCs</li> </ul>	<ul style="list-style-type: none"> <li>• Existence of a successful package of practices</li> <li>• High potential for benefit generation to rural people and the environment</li> <li>• Does not compete with agriculture for land &amp; labour</li> <li>• Exposure of policy makers and practitioners to the wild plant and its industrial benefits</li> <li>• Adequate investment in advocacy and publicity</li> </ul>
Beekeeping	High	<ul style="list-style-type: none"> <li>• Adoption by large numbers of marginal farmers in Nepal and Pakistan</li> <li>• Demand for training and services from other countries</li> <li>• Global publicity through National Geographic magazine</li> </ul>	<ul style="list-style-type: none"> <li>• Long-term commitment by ICIMOD and donors</li> <li>• Phase by phase approach from research to demonstration to extension</li> <li>• High relevance to marginal farmers and not dependent on landholdings</li> <li>• More focus on pollination services</li> <li>• Good income generation from honey and other products</li> </ul>
Fish Pond Farming	High	<ul style="list-style-type: none"> <li>• Rapid adoption by poor and lower caste households in Uttaranchal</li> </ul>	<ul style="list-style-type: none"> <li>• Building on existing practices &amp; interests</li> <li>• High potential for income generation</li> <li>• Simple technology and low capital requirements, good markets</li> <li>• Strong partner interest</li> </ul>
Capacity Building in GIS/RS Applications	High	<ul style="list-style-type: none"> <li>• GIS units functional in Bangladesh, Bhutan, Tibet, Nepal, Himachal Pradesh, and Pakistan</li> <li>• Application for land use planning in Bhutan, municipal planning in Nepal, GLOF in Bhutan, Nepal, and Pakistan</li> <li>• Socioeconomic indicator mapping</li> <li>• High demand for training and support services</li> </ul>	<ul style="list-style-type: none"> <li>• New and very useful technologies</li> <li>• Provision of hardware and software facilities</li> <li>• Long-term funding commitment and continuity of focus</li> <li>• Good convergence and synergy with donor focus in RMCs</li> <li>• Long-term engagement of key staff and continuous in-house capacity building</li> <li>• Public-private partnership</li> </ul>

Innovation	Impact	Evidence	Approach and Reasons
Flood Disaster Mitigation	High	<ul style="list-style-type: none"> <li>• High-level regional committee established and meetings held regularly</li> <li>• Flood warning and information shared among member countries, e.g., Kurichu, Bhutan; Parechu, Tibet, China; rainfall forecasting in ICIMOD</li> </ul>	<ul style="list-style-type: none"> <li>• Focused objective</li> <li>• Convergence of RMC needs</li> <li>• Representation at high levels supported by technical experts</li> <li>• Continuous follow-up provided</li> <li>• General consensus in sharing hydro meteorological data and information</li> <li>• International partnerships</li> </ul>
System for Rice Intensification	High	<ul style="list-style-type: none"> <li>• On-farm trials in Nepal, Pakistan, and India (Uttaranchal)</li> </ul>	<ul style="list-style-type: none"> <li>• Stress of early planting significantly increases the number of tillers</li> <li>• Wide spacing increases weeding interval, key issue for medium &amp; large farmers, higher yield important for small farmers</li> </ul>
HKH-FRIEND	High	<ul style="list-style-type: none"> <li>• Endorsed by six of the eight countries of the HKH</li> <li>• ICIMOD provides Secretariat for HKH-FRIEND</li> <li>• Regional hydro data centre located at ICIMOD</li> <li>• HYDRA software developed for small hydropower assessment</li> <li>• Initiation of climate change and flood control projects</li> <li>• Capacity building through training</li> </ul>	<ul style="list-style-type: none"> <li>• Instrumental in creating a platform bringing together researchers and academics from national and international fields</li> <li>• Hydrological research carried out contributing to poverty alleviation</li> <li>• Knowledge and skill sharing</li> </ul>
Sloping Agricultural Land Technology (SALT)	Moderate	<ul style="list-style-type: none"> <li>• Adopted for larger landscape management projects especially in China</li> <li>• Demonstration still ongoing with various levels of modification</li> </ul>	<ul style="list-style-type: none"> <li>• No long-term funding needed to fill gap between demonstration and extension</li> <li>• Technology applicable only to certain sites</li> <li>• Long gestation periods before benefits accrue</li> </ul>
Gender Mainstreaming / HIMAWANTI	Moderate	<ul style="list-style-type: none"> <li>• Strong in Nepal and India, weak in other countries</li> <li>• Some capacity building measures initiated and continuing in Bangladesh and Pakistan</li> </ul>	<ul style="list-style-type: none"> <li>• Differences in status and level of priorities among RMCs</li> <li>• No strong commitment from all the governments</li> </ul>

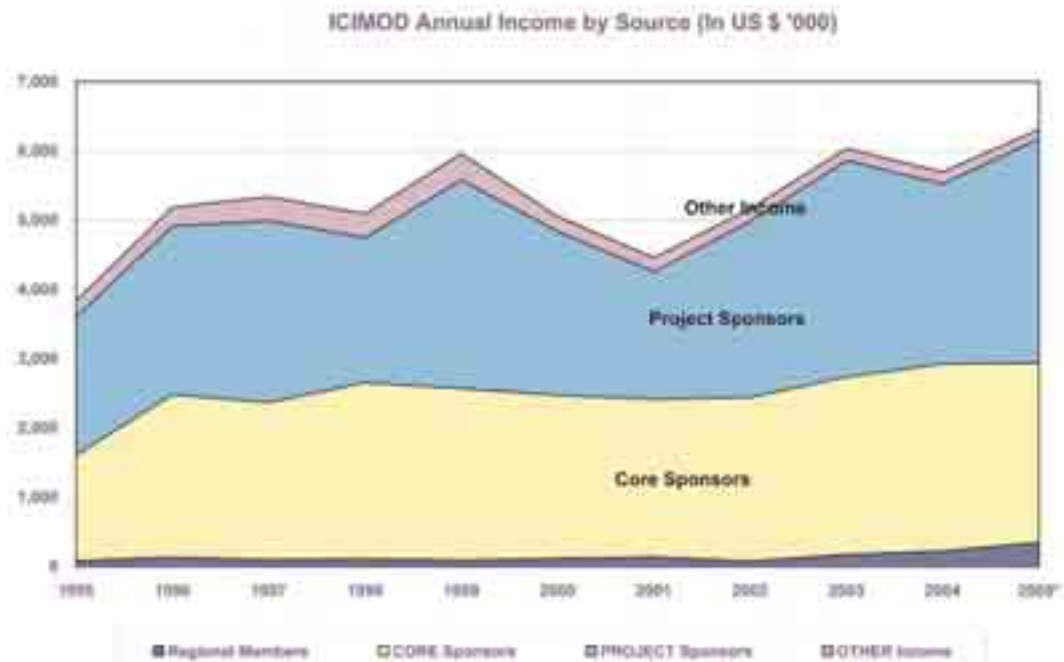
Innovation	Impact	Evidence	Approach and Reasons
Rural Energy Technologies	Moderate	<ul style="list-style-type: none"> <li>• Menu of technologies available and manuals being adopted for training and setting up micro - hydels, solar panels, and bio-briquette production</li> <li>• Limited adoption in parts of Nepal and Bhutan</li> <li>• Methodologies and options adopted in pilot villages under the 'Women, Water, and Energy Project'</li> <li>• Approaches taken into policy and planning process at local and national levels in Nepal</li> </ul>	<ul style="list-style-type: none"> <li>• Good feasibility studies carried out</li> <li>• Limited funds for engagement of adequate staff and further promotion of the technologies</li> <li>• Adoption by some, but not all, RMCs in scaling up</li> </ul>
Water Harvesting Technologies	Low	<ul style="list-style-type: none"> <li>• Menu of technologies available and manuals being adopted</li> <li>• Limited adoption in parts of Nepal and Bhutan</li> </ul>	<ul style="list-style-type: none"> <li>• Good feasibility studies carried out</li> <li>• Limited funds for engagement of adequate staff and further promotion of the technologies</li> <li>• Adoption by some, but not all, RMCs in scaling up</li> </ul>
Plastic Film Technology for Vegetable Cultivation	Low	<ul style="list-style-type: none"> <li>• Technology perfected at Godavari but not extended to communities</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of projects and funds to promote the technology</li> </ul>
Gravity Ropeway Construction	Low	<ul style="list-style-type: none"> <li>• Technology tested at two sites in Nepal and found highly useful</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of projects/funds to support replication</li> <li>• Not part of strategic plan</li> </ul>

## ICIMOD Staff and Budget 1983 - 2005

### Changes in Staff Strength

	1983	1993	2003	2005
Total Staff	17	107	138	131
Total Budget (in million US\$)	0.33	3.28	6.03	6.31
Source: Administration				

### Changes in Budget Flow



\* The figures for 2005 are provisional subject to audit

Source: M.R. Tuladhar

## Some Recent ICIMOD Publications

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Sharma, B.; Banskota, K.; Luitel, S. **Women, Energy and Water in the Himalayas: Integration of Women in Planning and Management – Policy Guidelines**. UNEP/ICIMOD. 64p. ISBN 92-807-2597-1/ 92-9115-093-2

Sharma, B.; Luitel, S.; Banskota, K. **Women, Energy and Water in the Himalayas: Incorporating the Needs and Roles of Women in Water and Energy Management – Training of Trainers Manual**. UNEP/ICIMOD. 107p. ISBN 92-807-2598-X/ 92-9115-207-2

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Subedi, N.R. **Advocacy Strategies and Approaches: A Training of Trainers Manual on Advocacy Strategies for Community-Based Organisations in the Hindu Kush-Himalayas**. 171p. ISBN 92-9115-031-2

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**ICIMOD Demonstration and Training Centre Godavari Interactive CD-ROM**. ISBN 92-9115-109-2, and **Introductory Film** (DVD Film) 16 mins

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Groverman, V.; Gurung, J.D. **Gender and Organisational Change**. ICIMOD/Yunnan: Yunnan Science and Technology Press. 134p. Lang: Chinese ISBN 7-5416-2118-8

## 2004

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- Jodha, N.S.; Bhadra, B.; Khanal, N. R.; Richter, J. eds. **Poverty Alleviation in Mountain Areas of China** ICIMOD / InWent Capacity Building International, Germany. 356p. ISBN 3-937235-25-6
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