




**Biotechnological Partnership**

**BINASIA-NEPAL NATIONAL WORKSHOP**

27-28 April 2006  
Manila, Philippines

**Role of BINASIA in International Cooperation**


N. Srinivasan  
United Nations  
Asian and Pacific Centre for Transfer of Technology



**Biotechnological Partnership**

**NATIONAL DEVELOPMENT AGENDA**


- Economically resilient
- Prosperous rural communities
- Competitive industries
- Practice integrated & sustainable practices (air, water and land)



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**CHALLENGES**


- S&T capabilities limited
- Development problems, enormous
- 4% of the world R&D expenditure and 14% of the world's scientists are in developing countries
- 80% of the world's population is in developing countries



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**CHALLENGES (contd.)**


- High cost of research in modern biotechnology
- IPR protected, released only under certain conditions
- Resource-poor countries, farmers, people – difficulty in gaining access to modern biotech products



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**Why technological partnership?**


- Access to resources (Investment, market, skill, etc.)
- Access to new technology (JVs, licensing, sub-contracting, R&D commzn, etc.)
- Access to knowledge (joint R&D, know-how, training, etc.)
- To cope with globalization
- For poverty alleviation



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**MAJOR PARTNERS/INTERMEDIARIES**

- Government agencies
- Enterprises/entrepreneurs
- R&D institutions, universities, etc.
- Technology transfer/promotion agencies
- Industry/trade associations
- Consulting firms/consultants
- Non-government organizations

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**BASIC PILLARS**

- Good education (basic to univ. level)
- Good R&D infrastructure
- Clear govt. & industry commitment to pursue and facilitate them
- Well-developed networking among different agents in the economy
- Special preferential policies
- Legal framework

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**SPECIAL FEATURES/ PREREQUISITES**

- **Common interest**  
(business, research, services. Etc.)
- **Complementarity**  
(seek issues to agree tech., bus., mkt., etc.)
- **Equal or comparable level of tech/skills**  
(otherwise exploitation)
- **Common language & understanding**
- **Cultural differences**  
(approach and solving problems)

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**BINASIA**

- **Policies and Programmes**
- **Infrastructure**
- **Information Resources**
- **Biotechmart**

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**BINASIA**

- **Policies and Programmes**  
Biotech policy  
Biosafety/bioethics  
Intellectual property rights  
Technology development programmes
- **Infrastructure**  
Main institutions  
Main industries  
Biotech parks/incubation centres

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**BINASIA**

- **Information Resources**  
News and information  
Training programmes/courses  
Tech events  
Periodicals and publications
- **Biotech Mart**  
Technology offers  
Technology requests  
Service offers  
Service requests

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**BINASIA**

- **Participatory e-network**
- **Single entry, multiple out-reach**
- **Maximise resource utilization**
- **Multiple choice of technology/service partners**
- **Knowledge flow through E-networking**
- **Human resource development**

**BINASIA, as good as we are**



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**THANK YOU**