

- Look at the gaps:
  - We have micro finance programmes all over the world, do we have a single micro venture finance initiative except at SRISTI and NIF??
  - Does it not imply a major policy blinker which has prevented policy makers to look for creativity and innovations at grassroots
  - Such innovations and TRADITIONAL KNOWLEDGE exist every where in the world, SRISTI has organized two international competitions with the help of IFAD and third one is now being organized with the help of EU support ( and may be infodev in due course, we do not yet know).

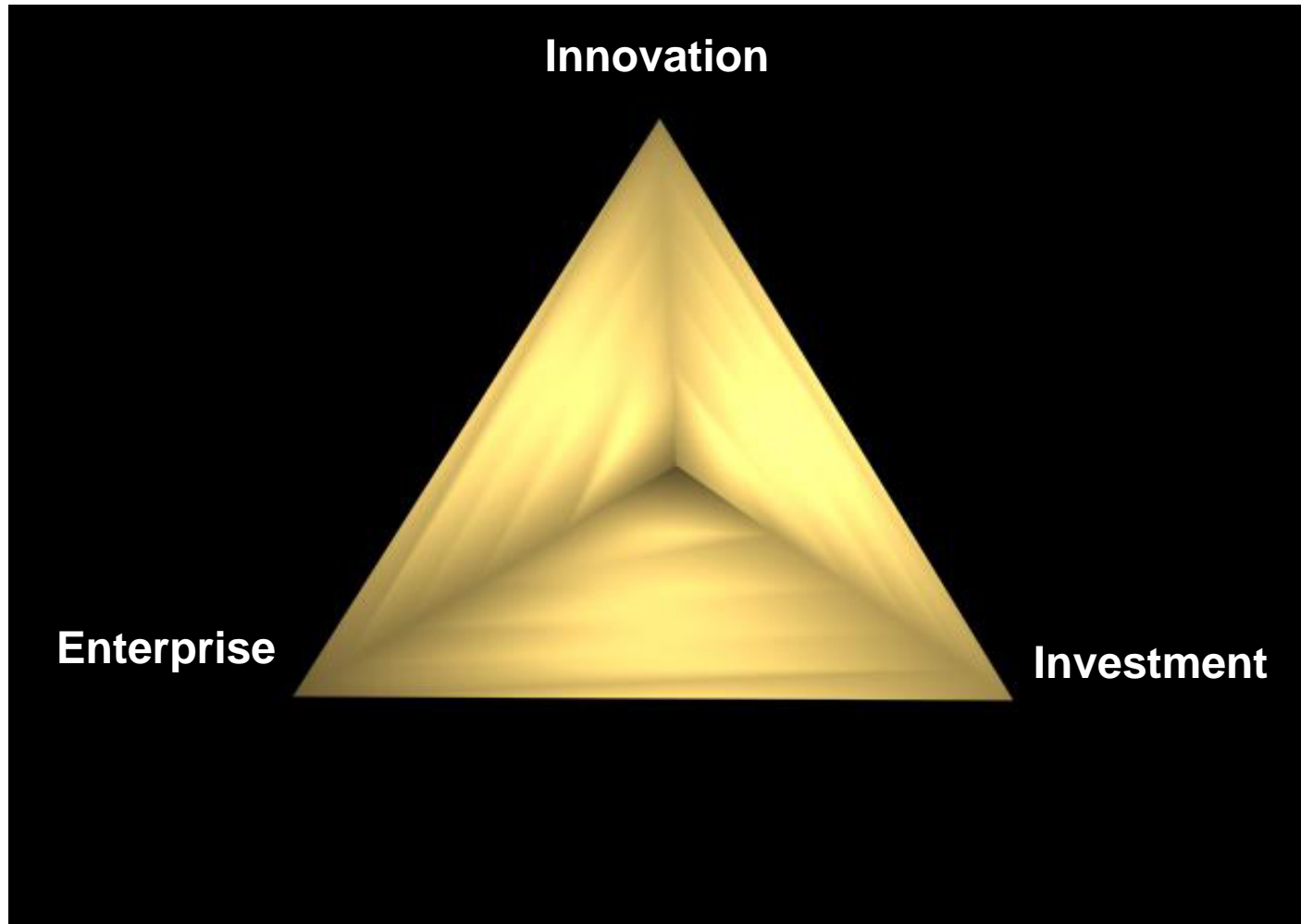
- Key interventions needed are:
- **GIAN** like incubators
- **Online open source collaborative platform for volunteers** to work together to add value to grassroots innovations, link innovators, entrepreneurs and investors from around the world
- **Special Innovation Maturation funds** to persuade public and private sector R and D labs to work with informal innovators, there are no dedicated funds for the purpose as yet
- **Technological acquisition fund** to acquire rights to certain proprietary technological innovations so as to license these to small scale enterprises at low, or no cost.

- Multi media multi language ( MMML) databases on innovations and traditional knowledge for enabling the local communities to learn from each other after overcoming three barriers to learning: language, literacy and localism
- Tool rooms and mmml stationery and mobile exhibitions to create experimental ethic and reinforce creative potential at grassroots
- National campaign to scout innovations and tk and build National Register as being attempted in India.

- Institutional innovations are as vital as technological innovations. Technology is like *words*, institutions are like *grammar*, culture is like *thesarus*
- *People managed labs and testing centres for faster validation of local innovations*
- *Clearinghouse for technological innovations*
- *Reforms in patent laws to ensure that small innovators and traditional knowledge can be protected, dispersed and disadvantaged innovators can not be expected to win ever in the “first to file” system. Special opportunity of “first to invent “ system be made possible for them, community intellectual property rights to be enacted, each patent applicant to declare that knowledge and resources used for making claims have been obtained “rightfully and lawfully”, international registry to be created for grassroots innovations and traditional knowledge to reduce transaction costs of prospective entrepreneur and investors to meet innovators*
- *See [srusti.org/pub.html](http://srusti.org/pub.html)*

**Our Incubator: Grassroots Innovation Augmentation Network (GIAN)**

# **Golden Triangle of Creativity**



# Grassroots Green Innovations Local Language Database

SRISTI

Society for Research and Initiatives for sustainable Technologies and Institutions

[www.sristi.org](http://www.sristi.org)



SRISTI



NIF



Honey Bee Network

GIAN

GIAN

Every creative act involves crossing the boundaries, recognition of new spaces for imagination and experimentation and a degree of indifference towards what others would say.

- Many innovators have had to face some stigma for breaking the social rank, established norms and proven ways of solving problems. Rarely do innovators come across people who encourage them and acknowledge them. A society which aspires to be innovative has to rethink the relationship between
  - Ideas
  - Innovations
  - Individuals
  - Institutions

# Bicycle based Innovations

**Bicycle with rider-induced and terrain-induced forces for transmission system**



**Indian Patent Filed**

**Video Link:**

[http://www.nifindia.org/nif\\_video/kanak\\_das.mpg](http://www.nifindia.org/nif_video/kanak_das.mpg)



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**Amphibious Bicycle : A low cost convertible bicycle for roads and water**



**Price \$ 135 vis-à-vis \$ 1100 of a USA product**

**Patent under filing**

**Video Link:**

[http://www.nifindia.org/nif\\_video/saidullha.mpg](http://www.nifindia.org/nif_video/saidullha.mpg)

# Traction Based Technologies

## A low cost 10 HP Tractor



- Price of tractor \$ 3300
- can be converted into three or four wheel
- High maneuverability
- Us patent filed  
US Patent No. 10/294962 (13/6/2002)

### Video Link:

[http://www.nifindia.org/nif\\_video/vanraj\\_tractor.mpg](http://www.nifindia.org/nif_video/vanraj_tractor.mpg)

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## A Motor-bike based low cost Ploughing, interculture cum Transportation device



- Price of attachment \$ 600
- Conversion requires 20 minutes

US Patent No. 6854404 B2 (15/2/2005)

### Video Link:

[http://www.nifindia.org/nif\\_video/bullet\\_santi.mpg](http://www.nifindia.org/nif_video/bullet_santi.mpg)