Pílot Study Project on the

University / Public /Private Funded Research Organizations Interactions: A New Era for S&T Entrepreneurship"

Presented by: Natural Resources Indía Foundation (NRIF)

Outline of Presentation

- **Broad Issues being Covered:**
- **Methodological Approach:**
- University Industry Science Partnership & Overview of Industry R&D In India
- Type of Interactions in the selected institutes & primary data analysis reports
- *** Secondary sources data interpretation**
- Selected Success Examples of interaction & Entrepreneurships
- * Observations, suggestions & recommendations

Observations, Suggestions & Recommendations

Universities provides Technology Transfer * People (faculty, graduates, postgraduates and, PhDs); ***** Publications: ***** Consulting; Research Partnerships; *****Licensing of intellectual property-for small Vs large companies; Startup companies; ₩Etc.



Barriers to Partnerships & Progress:

- Maintellectual property issues;
- Barriers within university: Internal rewards systems fear of contamination;
- Barriers within industry: Fear of loss of control, not-invented syndromes...
- Mismatch of motives:conceptual Vs incremental advances;
- Eack of appreciation of values of diverse ways of thinking;
- Bridge the valley of have-nots / death;
- **Control, control, control on every side...**

Message to Academicians/ Scientists

- Explore the possibility of partnerships / interface with the local industries;
- Address problem driven / curiosity driven research;
- *** Address tough rather than handy problems;**
- Future vision / blue print is necessary;
- **** Set time-bound priorities;**
- Time & costs matter a lot;
- *** Accountability is a must;**
- Communicate knowledge and not just information

Message to Industries

- Fundamental research does not grow on trees in wild;
- Support and nourish who produce results;
- Build partnerships with fundamental researcher performers;
- Kision the future of company, industry, people driven and the society;
- Contribute visibly to the economic growth of the nation;
- Look for near term advantage Vs long term growth with continued growth of regulations;
- **Range the time horizons;**

Message to Government

Sovts. needs to encourage & promote the flow of new scientific knowledge / innovations and development of scientific talent in our young researchers;

- Convergence norms for Govt., University (basic research)and industry (applied R&D);
- Synergy of coherent policies as regulations have benefits as well as costs;
- All laws have unanticipated consequences;
- *** Patent systems be simplified;**
- Policy norms be developed for commercialization, agencification and privatization

