

Round Table

Organizing research on LICs at the global level

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Applying the SI approach to empirical studies

Main Issues

1. Focus of the investigation

RedeSist experience

- what are the strengths of the Brazilian innovative productive structure and how they could be mobilized
- LICs
 - importance of other forms of knowledge & networks and the objectives of promoting development, social capital enhancement

2. Concepts of system and innovation

- SI - useful focusing device
- RedeSist development: local productive and innovative systems and arrangements - LPISAs
- elaboration of a glossary - **GASPIL**:
 - definition of LPISAs + innovation, cooperation, knowledge, social capital, etc.
 - differences with other concepts, etc ...
 - www.ie.ufrj.br/redesist

3. Selection of cases

3. criteria: social, economic, technological, political
4. indicators: employment, level of education, sales, taxes, imports & exports of goods and services (including tech), patterns of specialization, infrastructure including (knowledge), regional and national relevance + IPR, etc.

4. Identification of IS

■ problems:

- systems are open; cognitive space goes beyond usual focus and indicators on sectors, individual organizations and space (municipalities and micro-regions) - investigation of the importance of proximity, etc.

■ objectives:

- to capture and assess the processes of knowledge creation, acquisition, use and diffusion
- processes of learning and competence building
- information and knowledge fluxes

5. Empirical investigation

- methodology for direct empirical surveys - **in refinement**
 - questionnaires, sample and tabular plans targeting different agents - **firms and other organizations dealing with education, training, R&D, promotion, financing, etc.**
- elaboration of technical notes
 - general structure for the reports (role of the LPISA in the international, national and local economies, analysis of the case, policy recommendations + **IPR regimes**,

6. Recuperation and analysis

- specific conclusions and policy implications
detailed information and local participation in the planning and implementation processes
- conception of a geo-referenced system of information on local productive and innovative systems and arrangements - **Sinal** - www.sinal.redesist.ie.ufrj.br
 - secondary + **primary information**
- elaboration of a panel summarizing the different types, forms, location and dynamics of these arrangements, indicating strengths and weaknesses, as well as specific needs

Concept of Local Productive and Innovative Systems and Arrangements - LPISAs

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LPISAs comprise

- ⇒ firms (producers of final goods and services, suppliers of inputs and equipment, service providers, etc.) and their different forms of representation and association
- ⇒ other public and private institutions and organizations specialized in educating and training, R&D, engineering, promotion, financing, etc.

Local system are defined as any productive agglomeration involving economic, political and social agents localized in the same area, performing related economic activities and presenting consistent articulation, interaction, co-operation and learning processes

Local arrangements include productive agglomerations, in which there is no (or almost no) articulation among the agents

