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Author(s): Steve Jackson, 2009

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SI657/757: Information Technology and Global Development (WI 10)

Wk 4: Investment, Technology Transfer, and Innovation



Group projects & other items:

- Group meetings at end of class
- Read S&T policy papers for your selected country / region
- Last week's reading responses (+ FERPA waiver)
- Next week's readings
- PhD meeting Feb 15th or 22nd, 12 pm; one-page sketch of possible 757 project
- 657 policy papers

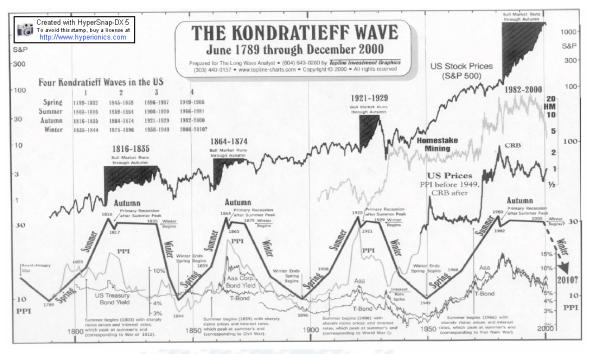


Some background & terminology

- Growth theory revisited
- Static and dynamic comparative advantage



Long-term cycles in the world economy



PD-INEL http://www.kwaves.com/200210KondraWithCRB4.pdf



Techno-economic paradigms

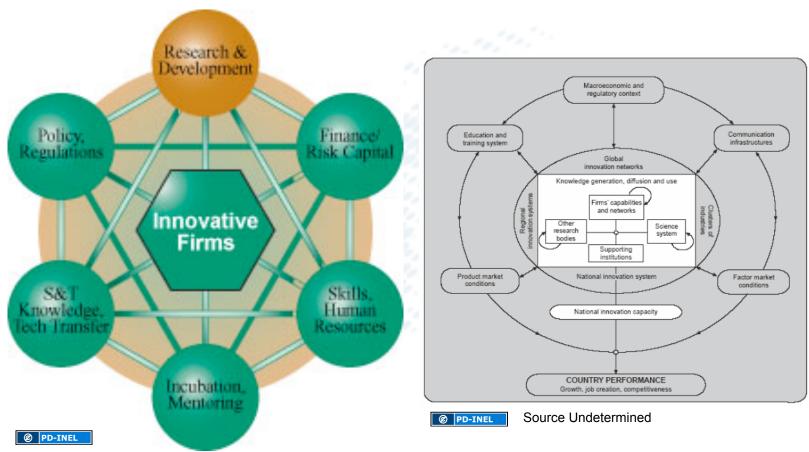
Kondratieff, Schumpeter, and technoeconomic paradigms

http://www.carlotaperez.org/download/perez_IPPR_June2009.pdf

'late-comer advantages' [discuss!]



National Innovation Systems



Source Undetermined



Historical distributions of FDI

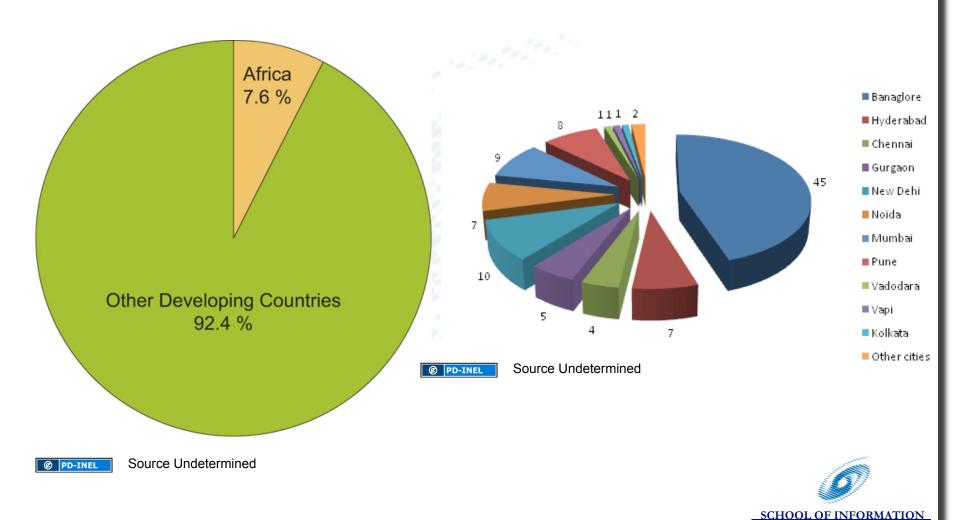
See UNCTAD World Investment Reports

http://www.unctad.org/en/docs/wir2009 en.pdf

Regional, sectoral, and sub-national patterns



Historical distributions of FDI



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LDCs and the crisis

■ UNCTAD LDC Report 2009:

- Commodity cycles and terms of trade shocks
- Impact of crisis on debt servicing
- Short and long-term impacts on FDI
- Impact on remittances
- Impact on aid trends



Questions:

- What are the principal components or factors of an effective national (or sub-national) innovation system, according to Freeman, Metcalfe & Ramlogan, Ebner, or others? Do these (or should these) differ in developing country contexts?
- What are the principal barriers or limits on developing countries' ability to attract and make use of FDI as an effective engine of technology transfer and growth?
- What specific steps or policy measures can national or regional decision-makers implement to encourage more effective systems of technology learning and national innovation?
- In resource-constrained environments, how should investments in tech transfer and innovation be balanced against other developmental priorities (e.g. poverty reduction, rural development, etc.)?



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Slide 6: http://www.kwaves.com/200210KondraWithCRB4.pdf

Slide 8: Source undetermined, Source undetermined

Slide 10: Source undetermined

