



INOVAÇÃO E EMPREENDEDORISMO PARA O DESENVOLVIMENTO

**3º infoDev Fórum Global de
Inovação & Empreendedorismo**

**XIX Seminário Nacional de Parques
Tecnológicos e Incubadoras de Empresas**

INVESTIMENTO, INTERNACIONALIZAÇÃO E DESENVOLVIMENTO INCLUSIVO

Florianópolis, Santa Catarina, Brasil – 26 a 30 de outubro de 2009

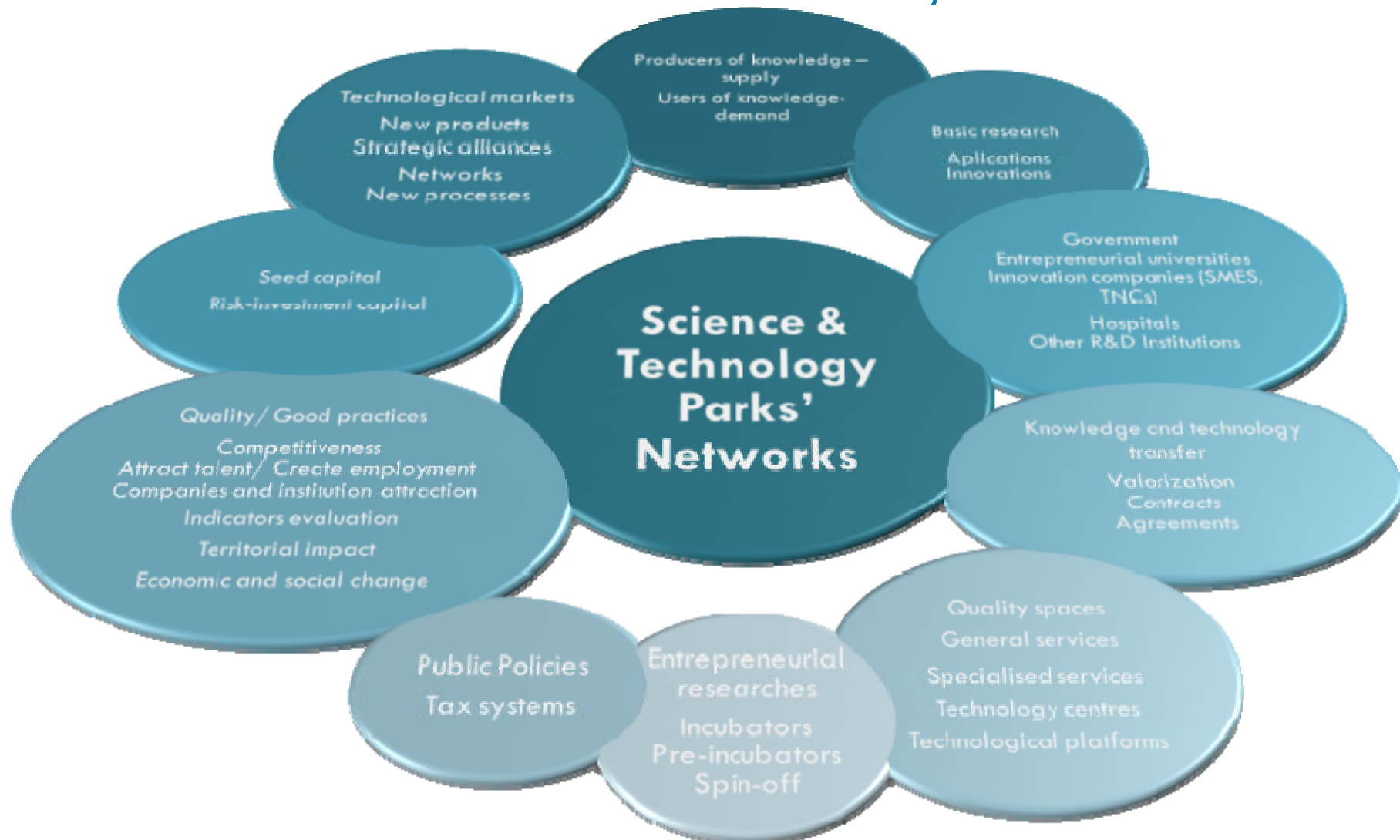
Tendencies and the future of S&T Parks

Joan Bellavista

Science and Technology Parks' Networks in the centre of the Innovation System

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Specialised and professional management of the relationship between all
the elements of the system



Tendencies and future of S&T Parks

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- Increase in the number of Parks all over the world.
- But also increase in the number of:
 - ▣ Businesses
 - ▣ Associated universities
 - ▣ Research institutes
 - ▣ Technology centres
- S&T Parks are increasingly:
 - ▣ strong sources of entrepreneurship
 - ▣ drivers of economic development

Tendencies and future of S&T Parks

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- S&T Parks are not only linked to universities, but are becoming more and more integrated into universities.
- Increase in the degree of specialisation of the Parks, together with the introduction of new:
 - ▣ Sectors
 - ▣ market niches
- Increase in:
 - ▣ clustering processes
 - ▣ public policies supporting S&T Parks
 - ▣ the eligibility of Parks to access financing for research and innovation activities
 - ▣ the diversity of funding sources
 - ▣ accessibility to services and markets

Tendencies and future of S&T Parks

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- Parks are becoming more attractive not only to companies, but also to people.
- Increase in:
 - ▣ the importance of attracting and keeping talent
 - ▣ the importance of the internationalisation of the activities of Parks and partnerships
 - ▣ the importance of commercialization (not only technology transfer)
 - ▣ professionalism of Park managers
 - ▣ connection with their residential and leisure surroundings
 - ▣ location in urban areas
 - ▣ focus on sustainability models (next IASP Conference “Global Green Growth (G3): Challenges and Opportunities for Science and Technology Parks”).

Tendencies and future of S&T Parks

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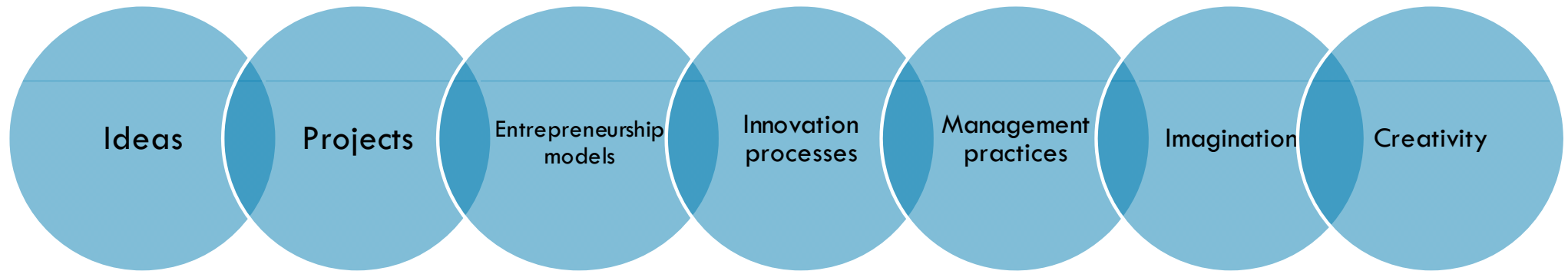
□ Increase in:

- ▣ New intangible values: education, health, culture, leisure and housing are added to research, innovation, market and communications
- ▣ working in networks
- ▣ models of networks of networks (IASP, WAINOVA)
- ▣ the relevance of positioning in strategic places within the network structures
- ▣ the diversification of models (more people acting, more variables, greater possible combination of variables and their weight)

Economic crisis

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In periods of economic crisis there is a stronger need to develop new:



As the basis for periods of growth and stability

The challenge is not just technological;
we also need to encourage a culture of creativity

Economic crisis

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- The case of the Parks:
 - ▣ More Parks have been created in the last 12 months than in the previous year
 - ▣ They have a great capacity for adaptation (historical perspective)
 - ▣ The crisis has less impact on them, as their room for manoeuvre is greater
 - ▣ Creativity and innovation, as keys to the post-crisis period

Economic crisis

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□ Technology companies:

- are managing the current recession reasonably well.
- are strategically placed for when the economy begins to recover in some countries.
- During crises, better ideas are created and the companies that define the future are set up.
- They have the capacity to open new businesses, to innovate and to be incubators for new start-ups.
- They use their resources to invest in new start-ups and in innovative projects that encourage local economic growth.

Networks

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- Insist finally on the importance of networks:
 - ▣ Local and global networks
 - ▣ Knowledge networks
 - ▣ Innovation networks
 - ▣ Production networks
 - ▣ Market networks
 - ▣ Services networks
 - ▣ Talent networks
- They may identify local deficiencies and manage needs and uncertainty within the global networks.
- Thus, becoming part of local and global networks and sharing interests within networks are key strategies to the future of Parks and the economy.

Another critical point for the future

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- To find the right equilibrium between



IASP members

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- Existing and developing Science and Technology Parks.
- Innovation-based incubation projects.
- Universities and R&D Institutions.
- Regional Development Agencies.
- Consultants, technology brokers, experts, etc.

IASP: main facts & figures

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- Active since 1984
- Global STP network:
 - ▣ 375 members
 - ▣ 71 countries
 - ▣ > 200,000 companies
- Very high growth (even in economic crisis periods)

IASP services

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- Worldwide permanent and personal network
- Updated regular information
- Training
- Information brokerage and management
- Technology transfer brokerage
- Documentation and data bases

IASP online services

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- Web:
 - ▣ News
 - ▣ Directories
 - ▣ Members only section
 - ▣ Secure server (online payments)
 - ▣ Bookstore and documents
 - ▣ Conferences and events section
 - ▣ Links
 - ▣ Etc.

<http://www.iasp.ws>

Next IASP events

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- XXVII World Conference on Science & Technology Parks
 - ▣ Daejeon (Korea) 23-26 May 2010
www.iasp2010ddi.com
- IASP Regional Conferences
 - ▣ ASPA-IASP Joint Conference, IASP Asian Divisions Conference 2009, Hsinchu (Taiwan), 25-27 November 2009
- In preparation
 - ▣ IASP World Conference 2011, Copenhagen (Denmark)