



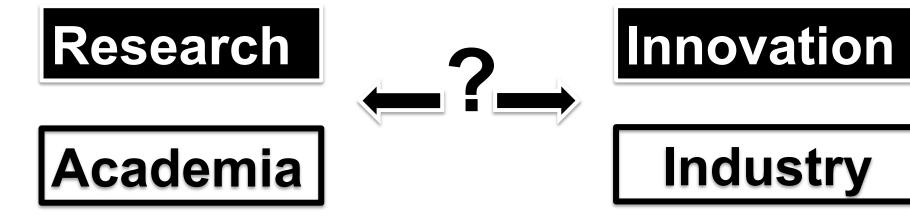
Scientific Societies and Agro-Food Innovation

Las Sociedades Científicas y la Innovación Agroalimentaria

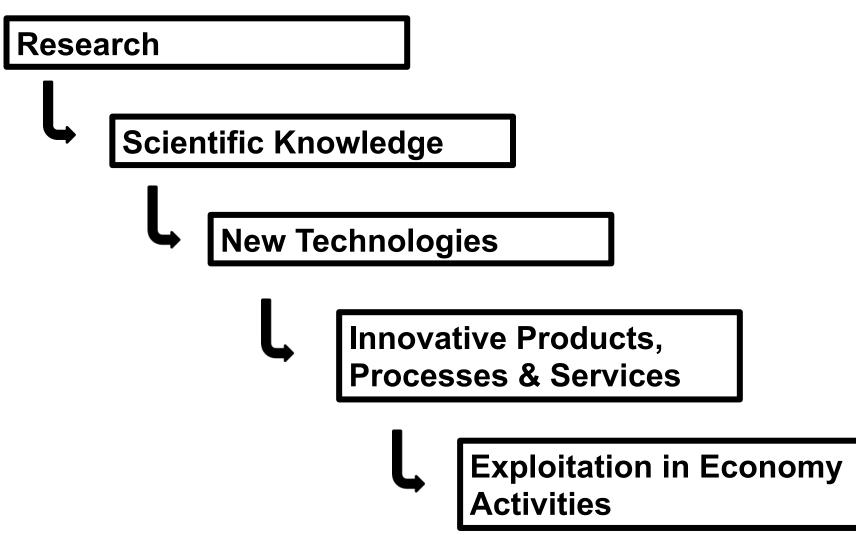
António A. Monteiro

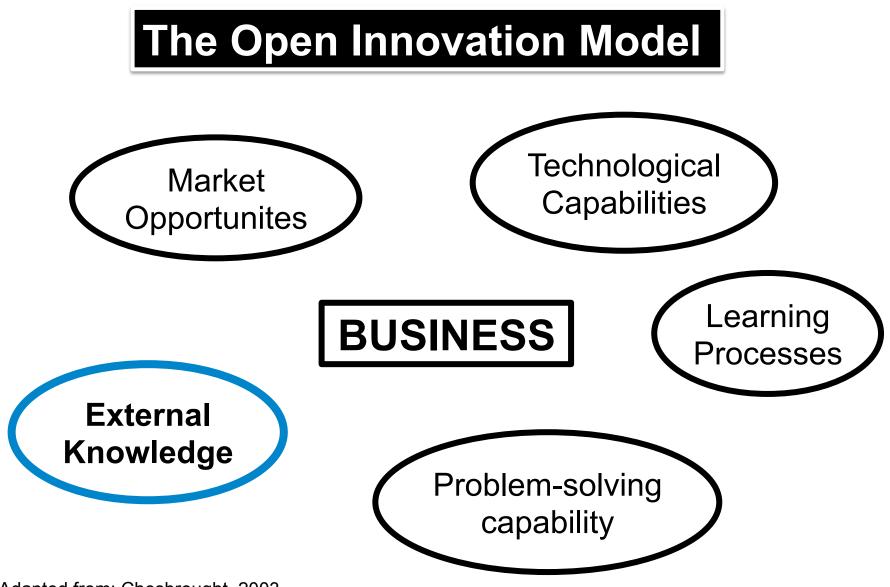
Instituto Superior de Agronomia Universidade de Lisboa Lisboa - Portugal





The Linear Model





Adapted from: Chesbrought, 2003

The Most Important Knowledge Transfer Mechanisms

- 1. The traditional published academic outputs such as journal articles
- 2. Informal interactions e.g. conferences, seminars, professional associations as well as personal contacts
- 3. More in depth research relationships including contract research, consultancy, collaborative R&D and accessing research skills
- 4. Exploiting intellectual property through licencing patents

ishs.org

ISHS



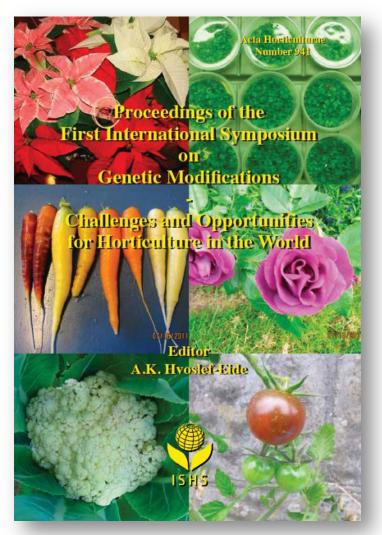
International Society for Horticultural Science:

- Specialized symposia
- Acta Horticulturae (symposium proceedings)

International Society for Horticultural Science







- 50 symposia per year
- All symposia published in Acta Horticulturae[®]
- All Acta (>970) posted at www.actahort.org
- >54.000 full text articles
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International Society for Horticultural Science



Knowledge Transfer Mechanisms

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What is the contribution of scientific literature to innovation?



Internal transcribed spacer 2 amplicon as a molecular marker for identification of *Peronospora parasitica* (crucifer downy mildew)

S. Casimiro^{1,2}, M. Moura^{1,2}, L. Zé-Zé², R. Tenreiro² and A.A. Monteiro¹

¹Instituto Superior de Agronomia, Universidade Técnica de Lisboa, Tapada da Ajuda, Lisboa, Portugal, and ²Departamento de Biologia Vegetal and Centro de Genética e Biologia Molecular, Faculdade de Cléncias da Universidade de Lisboa, Campo Grande, Lisboa, Portugal

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Quick test to detect the presence of the pathogen in the absence of reproductive structures

Research







Article-Level Metrics

Usage

PLOS: views PDF downloads XML downloads PMC: views PDF downloads

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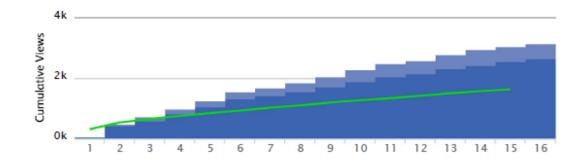
Induction of Drought Tolerance in Cucumber Plants by a Consortium of Three Plant Growth-Promoting Rhizobacterium Strains

Chun-Juan Wang , Wei Yang , Chao Wang, Chun Gu, Dong-Dong Niu, Hong-Xia Liu, Yun-Peng Wang , Jian-Hua Guo

Published: December 28, 2012 . DOI: 10.1371/journal.pone.0052565

Viewed

Total Article Views 3,142 Dec 28, 2012 (publication date) through Mar 31, 2014*		HTML Page Views	PDF Downloads	XML Downloads	Totals
	PLOS	2,114	510	13	2,637
	PMC	380	125	n.a.	505
	Totals	2,494	635	13	3,142
	25.46% of article views led to PDF downloads				





Knowledge Transfer Mechanisms

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Technology Readiness Levels

PRO (University):

1. Basic research

2. Applied research

- 3. Proof of concept validation
- 4. Standalone prototyping implementation and test
- 5. Local prototyping test
- 6. Full-scale prototyping
- 7. Prototyping demonstration
- 8. Verification and validation
- 9. Successful operational experience

Company:

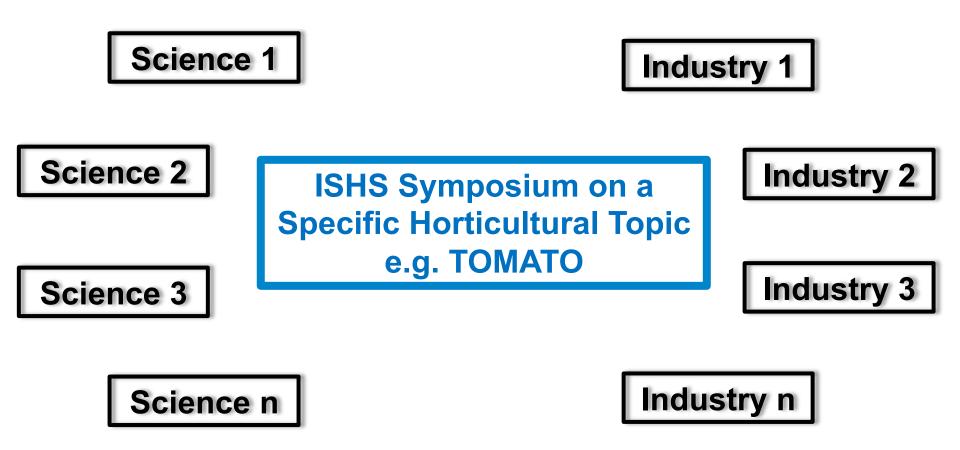
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Knowledge Transfer Interactions are changing:

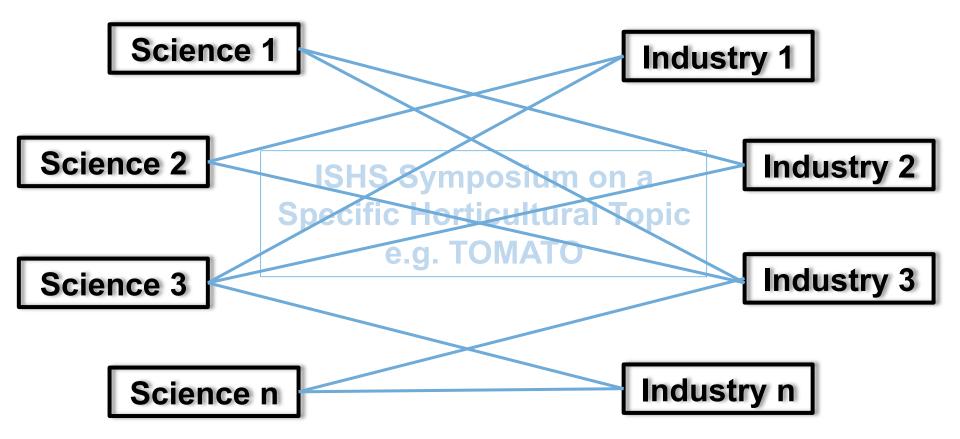
- The level interaction is occurring is rising due to the higher scientific qualification of industry players;
- Research in Academia tends to be less applied due to bibliometric pressure and funding agencies criteria.

Which can be the role of scientific societies in the promotion of informal interactions for agro-food knowledge transfer?

The ISHS Symposia as an interface between disciplinary science and the industry



The ISHS Symposia as an interface between disciplinary science and the industry



Final remarks:

- Publications have already a great impact on agrofood innovation but open-access will blow-up that impact;
- Scientific meetings can only contribute to innovation if they are well attended by industry players;
- How is the role of the scientific societies going to adjust to the change from an innovation paradigm of knowledge transfer to a paradigm of knowledge exchange?



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Muchas Gracias

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