

Agricultural research

A strong science and technology system contributes to innovation and sustainable, equitable agricultural development. Agricultural research systems are the source of new knowledge and the resulting products, services, and management practices that enable productivity to grow. The performance of research systems and its contribution to long-term productivity challenges and shorter-term market demands require both upgrading of the R&D infrastructure and investing in institutional infrastructure. Such research system include mechanisms that enhance research demand articulation, facilitate effective national and international institutional partnerships (including PPPs), help leverage skills and resources and diversity funding, and result in improved products and practices that meet the needs of the entire agro-food system. The types of organizations, mechanisms and nature of these partnerships in the generation of innovation will depend on the market orientation of the agricultural sector and private investment in agro-industry.

This section will examine the reforms, capacities, mechanisms and approaches – such as co-design approaches, innovation platforms, research and innovation alliances and consortia, and technology transfer and commercialization approaches – that are needed and can be applied in different agricultural and market contexts.

For further information on agricultural research, please see the following links to excerpts of the Agricultural Innovation Systems Sourcebook:

Overview:

[Rationale](#) [1]

Thematic Notes:

- [Designing Agricultural Research Linkages within an AIS Framework](#) [2]
- [Building and Strengthening Public-Private Partnerships in Agricultural Research](#) [3]
- [Accelerating the Development of Agribusiness Enterprises by Using Business Incubators](#) [4]
- [Codesigning Innovations: How Can Research Engage with Multiple Stakeholders?](#) [5]
- [Organizational Change for Learning and Innovation](#) [6]

Case Studies:

- [Redesigning a Livestock Research Institute to Support Livestock Development within an AIS Approach](#) [7]
- [An Innovative Approach to Agricultural Technology Development and Transfer in India](#) [8]
- [The Agricultural Technology Consortium Model in Chile](#) [9]
- [Linking Research and Development Actors through Learning Alliances](#) [10]

Related Link: Technology extension services
IP and innovation in agriculture

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Links

- [1] [https://www.innovationpolicyplatform.org/sites/default/files/rdf_imported_documents/AR_Overview_-_Rationale_\(The_Why\)_and_What.pdf](https://www.innovationpolicyplatform.org/sites/default/files/rdf_imported_documents/AR_Overview_-_Rationale_(The_Why)_and_What.pdf)
- [2] https://www.innovationpolicyplatform.org/sites/default/files/rdf_imported_documents/Agricultural_Research_organizations_and_Mechanisms_for_Partnership_Development.pdf
- [3] https://www.innovationpolicyplatform.org/sites/default/files/rdf_imported_documents/Public-Private_Partnerships_in_Agricultural_Research_and_Innovation.pdf
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