

Decentralization in agricultural extension in developing countries

Sharareh Khodamoradi¹ and Mohammad Abedi²

¹ Department of Agricultural Extension Education, Science and Research Branch, Islamic Azad University, Tehran, Iran

²Department of Agricultural Management, Islamic Azad University, Qaemshahr Branch, Iran

*Corresponding author: abedi114@yahoo.com

Abstract: Agricultural extension increasingly has become defined as one or other of (apparently) differentiated activities of technology transfer or rural development. In many situations, the transfer of technology, heretofore considered the purview of public sector systems, has been reconceived. Such changes suggest a refocussing of paradigms for the delivery of public sector extension. In developed industrialized countries, which often provide models for extension service delivery elsewhere, the declining relative importance of agriculture for economic growth, the increasing education and affluence of smaller populations of rural producers, and the increasing use of externally purchased inputs have changed the nature of publicly funded extension services and led to a questioning of the means of delivery of extension services by governments. Agricultural extension is a non-formal type of education that provides advisory services by the use of educational approach in acquiring knowledge and skills to deal with the growing needs of global world. Diverse agricultural extension funding and delivery arrangements have been undertaken since the mid-1980s by governments worldwide in the name of "privatization." When agricultural extension is discussed, privatization is used in the broadest sense – of introducing or increasing private sector participation, which does not necessarily imply a transfer of designated state-owned assets to the private sector.

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Introduction:

Over the past two decades many countries have undertaken to decentralize government functions and transfer authority and responsibilities from central to intermediate and local governments, and often to communities and the private sector. Decentralization is potentially important to agricultural knowledge and information systems, but decentralization is not an end in itself, and successful decentralization strategies must address three challenges—establishing a national framework for decentralization, developing subsector approaches, and enhancing capacities of various participants for coproduction of decentralized goods and services. Agricultural extension services are under increasing pressure to become more effective, more responsive to clients, and less costly to government. Decentralization is an increasingly common aspect of extension reforms. Field extension advisory services are well suited to decentralized approaches, but a comprehensive extension system requires a range of extension support services and programs, some of which (strategy formulation, training, monitoring and evaluation, specialized technical support) are often best carried out at the central level.

The prime challenges in the traditional public extension systems enlisted as outdated, top-down, paternalistic, inflexible, subject to bureaucratic

inefficiencies that results less ability to cope with the dynamic demands of modern day agriculture (World Bank, 2002; Obaa et al., 2005). In some countries the change is occurring with its natural pace but in many developing countries these have been accelerated by structural adjustment reforms (Chapman & Tripp, 2003).

Like other developing country Pakistan is also an agrarian country, whose economy is highly dependent on agriculture having 23% share to GDP (Government of Pakistan, 2005). But still the performance of agriculture sector at the farm level remains significantly below the potential and limited due to the weak institutional formwork in disseminating agricultural technology to the farmers (Farooq, 2005). Research scientists evolving new methods and technologies to meet the challenges of new era and the farming community also has a potential and courage to adopt but the third component i.e. agricultural extension, which serves as a technology transfer vehicle and play a significant role in increasing the productivity, farm incomes and ensure food security has been very much weak since independence (Luqman et al., 2004; Farooq, 2005). The extension services in the country have not been able to achieve their goals effectively, because of a number of bottlenecks. These include weak research-extension linkages, lack of adequate resources for on-

farm demonstrations, poor mobility, inadequate research and training in extension methodology and lack of an effective system of continuing education for extension personnel at various levels (Sandhu, 1993). Among major filed crops wheat, rice, cotton and sugarcane accounts for 90.4% of the value added in major crops and 37.1% of the value added in overall agriculture (Government of Pakistan, 2005). The low production of these crops depends upon a number of factors including ineffective and isolated agricultural extension system.

Decentralization as transfer of authority and responsibility for government functions from central government to intermediate and local governments, and often to communities and the private sector has become widespread over the 1980s and 1990s. Countries with diverse systems and traditions of government have pursued decentralization initiatives for many reasons, including especially the failure of government to meet expectations under centralized approaches to economic management and service approaches to organizing public administration. Though not yet widely applied to agricultural research and extension, decentralization strategies are potentially important to these agricultural knowledge and information systems. Decentralization is frequently viewed from one of two different perspectives (Johnson, 2000).

1. The democratic view emphasizes the aspect of empowering local people to control and direct their own public programs; and

2. The administrative view emphasizes the efficiency gains resulting from improved administration and effectiveness of public programs due to local control. Decentralization is generally expected to: encourage local financing and ownership of programs, result in more efficient and equitable allocation of government resources, provide incentives for production and service delivery, ensure lower-cost service delivery, build local capacity, and respond more effectively to local needs. (Khan, 2002).

For rural programs, decentralization offers hope for correcting the urban bias that results from the geographic dispersion of rural people, the difficulties for them to organize to promote their interests, and the discrimination against agriculture inherent in many country policy frameworks. Decentralization of agricultural extension and research seeks to increase user participation in technology programs and make programs more accountable to users. (Eicher, 2001).

Enthusiasm for decentralization needs to be tempered with some caution. In small countries, decentralization may be unnecessary and in very large countries decentralization to the state or provincial level may still leave programs distant from user influence. Definitive evidence of the impact of decentralization is limited and not everyone benefits from any reform. Furthermore, decentralization does little to improve

intraregional disparities, may bring oppressive elites into power, and can lead to greater inequalities in allocation of government resources.

Thus, decentralization has the potential to increase access to and cost of services, but specific targeting mechanisms and strong central oversight are needed to avoid inequities in service access and quality. (Farooq, 2005).

Decentralization of Public Sector Extension:

Decentralized extension brings decision-making processes closer to clients and makes programs more responsive to user needs. Service providers become more accountable to clients and better oversight increases efficiency of operations.

Extension services differ from research in two important ways that affect their potential for decentralization. First, extension advisory services (field extension services) come in direct contact with clients and provide services that have a high private-goods content. These characteristics make field extension services a much better candidate for decentralization than research, which typically has a longer-term payoff. Local producers are more willing to commit resources to pay for effective extension services from which they realize immediate direct benefits. Still, there remains a need for other extension services to address "externalities"—environmental problems, food quality or safety concerns, or social equity issues (that is, special needs of small farmers)—that are in the public interest, but are not a priority for individual producers or decentralized institutions. This requires continued central support for extension. A second difference between research and extension is the scope and scale of programs. (Williamson, 2002).

Research institutions are generally smaller and more concentrated. Extension programs typically operate across the country, provide information on a wide range of technologies from various sources, and draw on traditional knowledge and farmer innovation to improve producer organization, management, production, and marketing functions. The broad demands on extension require strategies that incorporate a variety of approaches to providing services.

Despite the apparent suitability of extension service provision to be decentralized, they are often highly centralized. A World Bank study of 19 countries found that in the early 1990s 13 countries or regions showed almost no evidence of decentralization of extension services. Colombia, Jiangxi (China), the Philippines, and Nusa-Tenggarra-Timor (Indonesia) were relatively highly decentralized, and Poland and Tunisia showed some decentralization. The study found that:

- When extension is decentralized there is a fairly good balance in fiscal, administrative, and political

decentralization;

- Political decentralization (the role of elected officials) lags other elements of decentralization; and
- NGO involvement is moderate and farmer participation is significant in extension.

Underlying these conclusions was the fact that institutional development and civil society provide important support to decentralizing extension services. (FAO, 2001).

Deconcentration is intrinsic to extension services that are provided in dispersed fields and communities throughout a country. Cropping systems, markets, agroecological zones, and ethnic and cultural characteristics of farmers can vary widely within a country, and moving administration closer to field services can substantially improve program management through better understanding of local conditions. Administrative decentralization goes further by making extension programs directly responsible to local authorities. The challenge in any successful decentralization reform is that of maintaining overall program quality and coherence. Decentralized extension programs are limited if the decentralized administration lacks awareness of new technologies, sources of assistance, and extension methodologies. Although decentralized administrations can effectively integrate local institutions, organizations, and technologies into an extension system, major benefits from formal extension often come from integrating external knowledge into the local system. Lack of coordination between local administrations can be a problem. If many localities promote a single commodity, the result might be overproduction and low prices. Similarly, separate localities might finance the same feasibility studies, training programs, or extension materials. Implementing an integrated watershed or regional development plan might prove impossible if programs in each administrative region are completely independent. Other potential problems include the lack of career opportunities for extension staff in decentralized programs, and difficulties with monitoring and evaluation when local administrative units lack ability to compare targets, results, and achievements with other areas. (Khan, 2002).

Extension program quality depends fundamentally on good linkages with other programs—specialized training for extension agents and farmers, technical backstopping by subject matter specialists and information services, other extension services (mass media, fairs), and other development programs (credit programs, market development programs, input supply).

Some of these linkages can be maintained at the local level, but many require higher level coordination to ensure efficiency and quality support.

Government inability to sustain financial support for large extension systems has been a motivation for

the many reforms that attempt to reduce public sector funding, introduce private financing, or eliminate government programs that compete with the private sector. Typically, these strategies tend to decentralize extension financing. Although an objective of many decentralization reforms has been to reduce government expenditures, local governments generally have limited resources and limited ability to raise funds. Central governments therefore must usually continue financing for extension services through intergovernmental financial transfers (IGFTs), and must also finance the considerable costs of reform and local capacity development. This increases total financing requirements for extension, at least over the short term. Over the longer term, decentralizing extension services might reduce government financing requirements by: (1) increasing efficiencies through better oversight and greater flexibility in funding decisions and (2) increasing cofinancing by being more responsive, and demonstrating greater benefits, to users. Cofinancing grants (IGFTs) to local governments or farmer groups are an important element of fiscal decentralization, but they present two significant problems: (Chapman & Tripp, 2003).

- Many local organizations lack capacity to plan, manage, and evaluate extension programs and lack the contacts and financial management capacity to procure needed services; and
- Resource-rich farmers are better able to cofinance services and capture program benefits, even if program objectives are to assist weaker elements of rural society. Still, many new initiatives are using subgrants of various types for local subprojects, and future program design can draw on this experience. Decentralization programs must address these two problems. Training and orientation, program promotion, and support services are critical to enable target clients and local organizations to take over extension responsibilities under new decentralized systems. Later, as programs are implemented, a strong monitoring and evaluation system is needed to provide management with information necessary to understand who is benefiting from the program and what real impact it is having (Farooq, 2005).

Conclusion:

Decentralize extension services where possible, with emphasis on giving users control over program planning, implementation, and evaluation.

- Provide for adequate centralized support systems for decentralized extension services, especially support for training, subject matter specialists, and production of extension materials.

- Adapt strategies to local institutional environments to accommodate country legal frameworks, political traditions, administrative

structures, and social and agroecological conditions. Extension strategies can emphasize decentralization when there is already a strong political decentralization in the country, but should proceed cautiously when decentralization is not yet well established.

- Determine on a case-by-case basis whether decentralized services should be managed by local governments, community/producer organizations, or local governments in conjunction with producer/community organizations.

- Provide clear division of responsibilities between the different levels of government and other program participants.

- Develop procedures for policy formulation and priority setting in mixed systems to reconcile central government financing and policy objectives (poverty alleviation, food security, and environmental conservation) with local peoples' priorities that emerge from the decentralized program governance.

- Provide for needed fiscal transfers from central government to decentralized implementing agencies to finance decentralized extension services, recognizing that over the short term decentralization rarely reduces requirements for central government financing.

- Structure fiscal transfers to give users maximum influence over programs and to promote institutional pluralism in service provision. This empowers users and develops capacities in a range of public and private providers, such that the most competent institutions are able to provide the services.

- Provide for extensive planning, promotion of the rationale and principles behind reforms, and training in new operational procedures before launching decentralization reforms.

- Provide for needed investments in development of local capacity (local governments, executing agencies, community or producer groups), as such implementation capacity is critical to success of decentralization reforms.

- Establish effective systems to monitor and evaluate decentralized programs, and ensure that the data are available at all appropriate levels. Central monitoring should be sensitive to equity issues and the possibility of local elites capture of programs, thus excluding services to the poor or women.

***Corresponding Author:**

Mohammad Abedi

Department of Agricultural Management, Islamic Azad University, Qaemshahr Branch, Iran

E-mail: abedi114@yahoo.com

References:

1. Alston, J.M. and P.G. Pardey, Making Science Pay: The Economics of Agricultural R and D Policy. AEI studies on Agricultural Policy.

2. American Enterprise Institute for Public Policy Research (AEI) press, Washington, D.C, 1996.
3. Anderson, R.J. and G. Feder. Rural Extension Services: Agriculture and Rural Development Department World Bank, Washington, DC. World Bank Policy Research Working Paper 2976, 2003.
4. Carney, D. Changing Public and Private Roles in Agricultural Service Provision. Overseas Development Institute. London, U.K, 1998.
5. Chapman, R. and R. Tripp. Changing Incentives for Agricultural Extension – A Review of Privatized Extension in Practice. Agricultural Research and Extension Network. Network Paper No. 132, 2003.
6. Eicher, C.K. Africa's Un-finished Business: Building Sustainable Agricultural Research Systems. Staff paper 20001–10, Department of Agricultural Economics, Michigan State University. East Lansing, Michigan, 2001.
7. FAO,. Reform and Decentralization of Agricultural Services: A Policy Framework. Policy Assistant Division and Agriculture and Economic Development Analysis Division. FAO, Rome, Italy, 2001.
8. Farooq, A. and M. Ishaq,. Devolving the Farm Extension System, P: III. Economic and Business Review. Daily Dawn, Karachi. Monday, 2005.
9. Government of Malawi. Agricultural Extension in the New Millennium: Towards Pluralistic and Demand-driven Services in Malawi. Policy Document Lilongwe: Ministry of Agriculture and Irrigation, Department of Agricultural Extension Services, 2000.
10. Government of Pakistan,. Economic Survey, Economic advisor's wing, Finance Division, Islamabad, 2005.
11. Haq,. Human Development in South Asia 2002, P: 24. Published by Oxford University Press, Karachi, Pakistan, 2003.
12. Kaimowitz, D. Making the Link: Agricultural Research and Technology Transfer in Developing Countries. Westview press Inc., US, 2000.
13. Khan, S.R.A.. Setback to Agricultural Performance, P: III. Economic and Business Review, Daily Dawn, Karachi. Monday, 2005.
14. Khan, T.,. A Lost Battle? P: 4. Daily Dawn, Lahore, Pakistan March 2, 2005.
15. Khan, S.R.A., Agriculture of Pakistan: Challenges and Remedies, Pp: 21–3. The Environ Publications, Lahore, Pakistan, 2002.

- developing countries", Agric. Econ., 261: 1–23, 2001.
16. Luqman, M., A. Javed and N. Asghar,. Impact of Administrative Changes on the Working Efficiency of Extension Field Staff after Decentralization in the Punjab, Pakistan. J. Agric. Soc. Sci., 1: 223–6, 2005.
17. Luqman, M., M. Ahmad, A. Javed. A Study into the Effectiveness of Public Sector Extension after Decentralization in District Muzaffargarh. Agric. Sci. J. Pakistan, 1: 68–70, 2004.
18. Mubangizi, N., M.N. Mangheni and C.J. Garforth,. Information sources and constraints under national agricultural advisory service programme, of service providers in Uganda. Uganda J. Agric. Sci., 257–64, 2004.
19. Obaa, B., J. Mutimba and A.R. Semana,. Prioritizing Farmers' Extension Needs in a Publicly-funded Contract System of Extension: A case study from Mukono District, Uganda. Agricultural Research and Extension Network. Network Paper No. 147, 2005.
20. Sandhu, G.R., Sustainable Agriculture. Report prepared by Pakistan National Conservation Strategy (Environment & urban affairs division) in collaboration with IUCN-The World Conservation Union, Pakistan, 1993.
21. Sharma, R.. Effective Networking of Research and Extension Through Information Technology. APO study report on integration of research and Extension. Asian Productivity Organization, Tokyo, Japan, 2003.
22. SPDC,. Social Development in Pakistan: Annual Review. Social policy and development centre, Oxford University Press, Karachi, Pakistan, 2000.
23. Wanga, E.. Key Note Address on New Perspectives in Rural Extension. Regional Refresher International Course in Rural Extension (ICRE) on: Challenges and Prospects, Egerton University, 21st November–3rd December, 1999.
24. Williamson, S., Challenges for farmer participation in integrated and organic production of agricultural tree crops: Review Article. Pesticide Action Network, London, UK. Bi-control News and Information, 23: 25–36, 2002.
25. World Bank,. Decentralization of Agricultural Extension: Lessons and Good Practices. Washington, DC, 2002.
26. World Bank,. Pakistan Development Policy Review: A New Dawn. Poverty reduction and economic management sector unit, South Asia Region. Washington, D.C, 2002.
27. World Bank,. Operationalizing Agricultural Extension Reforms in South Asia: A Case of Pakistan. Country Paper: Regional Workshop, Delhi, India, 2003.

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