

Analysis of University System's Knowledge and Information Network as a part of Agricultural Innovation System (AIS)

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Agricultural innovation system (AIS) as a software system, is the point of development of extension approaches. The goal of this software systems, is strengthening and growth of innovation capabilities and its actors are all institutions and individuals that involved in the production, dissemination, adaptation and use of knowledge and innovation those related to agriculture. University system as one of those actors who has the role of agricultural science and technology is in the domain of AIS. Suitable agricultural knowledge and technology production with system approach need to interaction between producers (faculty members). Identification and analysis of information and knowledge network of group can reveal the strengths and weaknesses of this interaction and be a background to improvement agricultural knowledge and technology production. This study aimed to analysis of University System's Knowledge and Information Network as a part of Agricultural Innovation System (AIS). The statistical population are faculty members of Agriculture and Natural Resources College of Tehran University. To analysis of this network and related structure and interactions Ucinet₆ software was used (by Data processing through analysis of knowledge and information networks). The results showed, implementing mechanisms by university system to improve discipline interaction between faculty members is necessary for the development agricultural science and technology.

Key Words: Knowledge and Information Network, AIS, University System, Agricultural Extension, Agricultural Innovation