

Applying the Knowledge Innovation Value Chain Model for Land Administration Research

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SUMMARY

Land administration research regularly links to other disciplinary areas for inspiration, invention, and alternative solutions: concepts from outside the study area can help to look at older problems in a new light. With this paper, we follow this trend and introduce the ‘Knowledge Innovation Value Chain Model’ (KIVCM) as a tool to support implementable and scalable land administration research. The idea is to make it land administration more visible to key stakeholders, and more innovation-oriented so as to enhance its applicability. As such, the model proposed by Allen et. Al (2008) is adapted. The model shows how scientific research can be developed from foundation R&D through to transitional and applied research. Thereafter, with appropriate support from different stakeholders, knowledge produces can be generated and enhanced in prototyping, pre-commercial and supported commercial development phases. The ultimate outcome is intended to be commercial production. This means oft-forgotten business models and governance models are considered within the research process. The first three stages of the model (scientific, translation or applied and prototype development) can be summarized as ‘Technology Push’: the next two phases of “Supported Commercial Development” and “Commercial Production” can be summarized under “Market Pull”. Once the innovative product reaches the commercial production stage, it fulfills the market or societal demands. In this work, it is demonstrated how the model could be to land administration research. Specifically, cases of LADM adaptation for groundwater model development, and indigenous rights recordation in forested areas are considered. Potential application in other planned land administrated related projects is also considered. In an era where the commercial value of research is apparently of great importance, we suggest KIVCM might be a supportive tool for land administration researchers.

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