بخشی از ترجمه مقاله

عنوان فارسی مقاله:
چارچوبی مفهومی برای هدایت توسعه مشارکتی سیستم های پشتیبانی تصمیم گیری در کشاورزی

عنوان انگلیسی مقاله:
A conceptual framework for guiding the participatory development of agricultural decision support systems

توجه!
این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت WOR (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک نمایید.
6. Conclusion

Our framework combines the concepts of technological frames, interpretative flexibility and boundary objects from science and technology studies with social learning principles, to provide an explanation of the social processes in the participatory development of DSSs. The framework emphasises that, when deployed as a boundary object, a DSS encourages social learning between the farmers, extension officers and scientists involved in its development. Our case studies of the irrigation scheduling DSS WaterSense showed that, by acting as a boundary object, WaterSense was able to help bridge gaps between these parties through an iterative and participatory cycle of discussion and feedback. This involved acknowledging and respecting the different perspectives held by these parties (i.e. interpretative flexibility) and then taking up the opportunity to work together towards a shared understanding (i.e. arriving at more congruent technological frames). Appreciating the way in which a DSS can act as a boundary object recognises how cooperation among these multiple stakeholders can occur, despite the fact that these people can hold diverse perceptions of the DSS or the issue it is designed to address. Instead of defining the success of DSSs solely in terms of ongoing use, the participatory development of a DSS should be evaluated in terms of its ability to foster co-learning and improve practice. Our framework provides those involved in the development of agricultural technologies with new conceptual insights to reflect on their practice. In doing so, our framework contributes to enabling more effective participatory technology development and application processes, and helps DSSs be more effective in guiding sustainable farm management.

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