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## Developing transportable agricultural decision support systems: Part 1. A conceptual framework

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 Received 7 September 1995. Available online 2 March 1999.

### Abstract

Developers of agricultural decision support systems (DSSs) have had little guidance in constructing DSSs which could be widely used. To assist, a conceptual framework is introduced which proposes methods for making DSSs transportable so that their utility is high. This framework serves as a checklist and includes recommendations about general implementation, user interaction, data management, and models. General implementation aspects emphasize portable and public domain tools, and user interaction aspects the use of a graphical user interface (GUI); flexible data management systems play a large role in satisfying the suggested data management aspects; and an intelligent model adaptation strategy is one of the main model aspect recommendations.

**Author Keywords:** Decision support system; Modeling; Portability; Data management; User interface

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 Volume 14, Issue 4, April 1996, Pages 291-300

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