



Table of Contents

IN PRESS

**AGRICECON
2014**

**AGRICECON
2013**

**AGRICECON
2012**

**AGRICECON
2011**

**AGRICECON
2010**

**AGRICECON
2009**

**AGRICECON
2008**

**AGRICECON
2007**

AGRICECON

2006
AGRICECON
2005
AGRICECON
2004
AGRICECON
2003
AGRICECON
2002
AGRICECON
Home

Editorial
Board

For Authors

- **Authors**
Declaration
- **Instruction**
to Authors
- **Guide for**
Authors
- **Copyright**
Statement
- **Submission**

For
Reviewers

Guides for

· Reviewers
Login

Subscription

Agric. Econ. – Czech

Brožová H., Šubrt T., Bartoška J.: Knowledge maps in agriculture and rural development

Agric. Econ. – Czech, 54 (2008): 546-552

The possibility of knowledge maps use in the decision-making process in agriculture and rural development is discussed in this paper. Each knowledge map presents a visualization of knowledge using different tools, where a mathematical model can be applied as one of them. The hierarchical structure of

a knowledge map conforms to the general structure of a mathematical model. The mathematical model, when successfully solved and correctly read, is a knowledge map in itself. The parallels exist also between the creation process of a mathematical model and of a knowledge map. In general, every phase of a system approach can lead to a special knowledge map. The following paper explains this process and demonstrates it on the farm production structure optimisation problem solved by using a linear programming model.

Keywords:

knowledge formalisation, system approach, decision-making, map creation process, model creation process

[[fulltext](#)]

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