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-- Chinese Encyclopaedias and Balinese Cockfights - Lessons for Business Process Change and Knowledge Management -- Using Problem-Solving Models to Design Efficient Cooperative Knowledge-Management Systems Based on Formalization and Traceability of Argumentation -- Integrating Textual Knowledge and Formal Knowledge for Improving Traceability -- Knowledge Management by Reusing Experience -- Problem-Solving Methods -- Integrating Knowledge-Based Configuration Systems by Sharing Functional Architectures -- The Nature of Knowledge in an Abductive Event Calculus Planner -- Adapting Tableaux for Classification -- Knowledge Representation -- Conceptual Information Systems Discussed through an IT-Security Tool -- Translations of Ripple Down Rules into Logic Formalisms -- Generalising Ripple-Down Rules -- Validation, Evaluation and Certification -- Monitoring Knowledge Acquisition Instead of Evaluating Knowledge Bases -- Torture Tests: A Quantitative Analysis for the Robustness of Knowledge-Based Systems -- Certifying KBSs: Using CommonKADS to Provide Supporting Evidence for Fitness for Purpose of KBSs -- Methodologies -- Kinesys, a Participative Approach to the Design of Knowledge Systems -- An Organizational Semiotics Model for Multi-agent Systems Design.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 12th International Conference on Knowledge Engineering and Knowledge Management, EKAW 2000, held in Juan-les-Pins, France in October 2000. The 28 revised full papers and six revised short papers presented were carefully reviewed and selected from a high number of high-quality submissions. The book offers topical sections on knowledge modeling languages and tools, ontologies, knowledge acquisition from texts, machine learning, knowledge management and electronic commerce, problem solving methods, knowledge representation, validation, evaluation and certification, and methodologies. |