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Collaborative Knowledge in Scientific Research Networks

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Collaborative Knowledge in Scientific Research Networks

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and Adam Leadbetter



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Research inherently requires collaborative efforts between individuals, databases, and institutions. However, the systems that enable such interpersonal cooperation must be properly suited in facilitating such efforts to avoid impeding productivity.

Collaborative Knowledge in Scientific Research Networks addresses the various systems in place for collaborative e-research and how these practices serve to enhance the quality of research across disciplines. Covering new networks available through social media as well as traditional methods such as mailing lists and forums, this publication considers various scientific disciplines and their individual needs. Theorists of collaborative scientific work, technology developers, researchers, and funding agency officials will find this book valuable in exploring and understanding the process of scientific collaboration.

Topics Covered:

- Cognitive Bias
- Collaborative Scientific Research
- Collaborative Work
- Communication in Scientific Research
- Knowledge Reification
- Ontologies
- Semantic Web

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners. Ideal for classroom use.

Paolo Diviaco is a geophysicist at Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS). He holds a PhD in exploration geophysics, and has 20 years of experience in seismic data processing. He maintained always an interest in computer science and programming, developing software in the field of geophysics and Web-based data management. At the same time, he has always been interested in the philosophical and sociological aspects of scientific production in general and in the geo-sciences in particular. He has been active in developing ideas and Web-based systems that could support scientists while collaborating and foster the collaborative attitude among research institutions. In this context, he worked within several international projects, such as, for example, FP7 ODIP, FP7 Geo-Seas, FP7 Emodnet, FP7 Eurofleets, and the Antarctic Seismic Data Library.



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