





story of three characters and their adventures in the land of knowledge. Select a character and enjoy the journey!







accelerating pace, human perception and cognition appear to stay nearly constant. Therefore, computers are instrumental for augmenting our collective intelligence by performing calculations, mining and visualizing massive amounts of information, and connecting us to people across distances. Today, we have robots to do our dull, dirty, and dangerous work. Soon, they will become indispensable partners in our quest to master our ever more complex and demanding professional and personal lives. Virtual or real, robots will empower us to master the many physical objects and bits and pieces of information that we all depend upon.





In 1934, Paul Otlet published the Traité de Documentation. In it, he argued that the book is an inconvenient and inefficient carrier of information that has to be decomposed and dissected into its contents, images, schemas, charts, and tables for efficient information usage. He argued that no document could be properly understood by itself; rather, a document's meaning becomes apparent only through its influence on other documents, and vice versa. "[A]II bibliological creation," Otlet wrote, "no matter how original and how powerful, implies redistribution, combination and new amalgamations."





The Internet and the World Wide Web are the beginnings of a global "world brain" that intimately links the unique capabilities of people and machines. Online services let us effectively operate in a complex web of social, professional, and other networks; diffuse information in an instant; and empower us to manipulate real-world objects around the globe. Advanced data mining and visualization tools help us make sense of BIG data in support of knowledge navigation, organization, management, and utilization for improving public health and welfare and informing a sustainable way of living on Earth.

What would you attempt to do if you had the wisdom of the world at your fingertips?



Credits

This comic book was designed by Geoff Hobart, a freelance cartoonist currently living in Chapel Hill, North Carolina, in close collaboration with Katy Börner, Victor H. Yngve Professor of Information Science at the School of Library and Information Science at Indiana University in Bloomington, IN. Much of Börner's commentary was taken from the *Atlas of Science* by MIT Press. Geena was inspired by Börner's daughter Eleanor. We would like to thank Todd Theriault for editing the commentaries and Tracey Theriault for adding all the science maps and building the final layouts. The work was supported by the CreativeIT Program at the National Science Foundation under Grant No. IIS-0715303 and the Cyberinfrastructure for Network Science Center at Indiana University. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

