Challenge for Info-plosion^{*}

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Abstract. Information created by people has increased rapidly since the year 2000, and now we are in a time which we could call the “information-explosion era.” The project “Cyber Infrastructure for the Information-explosion Era” is a six-year project from 2005 to 2010 supported by Grant-in-Aid for Scientific Research on Priority Areas from the Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan. The project aims to establish the following fundamental technologies in this information-explosion era: novel technologies for efficient and trustable information retrieval from explosively growing and heterogeneous information resources; stable, secure, and scalable information systems for managing rapid information growth; and information utilization by harmonized human-system interaction. It also aims to design a social system that cooperates with these technologies. Moreover, it maintains the synergy of cutting-edge technologies in informatics.

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