Record Nr. UNINA9910154999503321 Autore Holohan Anne <1968-, > Titolo Community, competition and citizen science: voluntary distributed computing in a globalized world / / Anne Holohan London;; New York:,: Routledge,, 2016 Pubbl/distr/stampa **ISBN** 1-351-95011-8 1-138-27186-1 1-315-25979-6 Edizione [1st ed.] Descrizione fisica 1 online resource (146 pages): illustrations, tables Collana Global Connections Disciplina 303.4834 Soggetti Volunteer workers in science Science - Social aspects Computer networks Information technology projects - Social aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references and index. Nota di bibliografia Nota di contenuto 1. Introduction -- 2. The projects -- 3. Breaking down the walls: voluntary distributed computing and citizen science -- 4. Communities in voluntary distributed computing -- 5. Competition and co-operation : the race to discover and to win -- 6. Moderators, super-moderators. beta testers and translators -- 7. Principal investigators and the scientific team -- 8. Volunteers -- 9. Conclusion. Voluntary distributed computing projects divide large computational Sommario/riassunto tasks into small pieces of data or work that are sent out over the Internet to be processed by individual users, who participate voluntarily in order to provide solutions that would ordinarily require investments of millions of dollars. This approach is contributing to the transformation of computationally heavy scientific research, opening up participation in science to interested lay people and greatly reducing the cost-barriers to computation for financially challenged researchers. Drawing on face-to-face and online ethnographic, survey and interview data with participants in distributed computing projects around the world, this book sheds light on the organizational and social structures of voluntary distributed computing projects, communities and teams,

with close attention to questions of motivation in projects that offer little or no traditional forms of reward, either financially or in terms of participants' careers. With its focus on non-market, non-hierarchical cooperation, this book is a case study of networked individuals around the world who are part of a new social production of information. A rich study of the transformative potential inherent in globalization and connectedness, Community, Competition and Citizen Science will appeal to sociologists and political scientists with interests in globalization, networks and science and technology studies, together with scholars and students of media and communication and those working in relevant fields of computing, information systems and scientific collaboration.