Record Nr. UNINA9910717422203321 Evaluating participatory mapping software // edited by Charla M. **Titolo** Burnett Pubbl/distr/stampa Cham, Switzerland: ,: Springer Nature Switzerland AG, , [2023] ©2023 **ISBN** 3-031-19594-9 [1st ed. 2023.] Edizione 1 online resource (XXV, 265 p. 69 illus., 64 illus. in color.) Descrizione fisica 910.28553 Disciplina Soggetti Cartography - Computer programs Digital mapping Geospatial data - Computer processing Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Chapter 1: Introduction to Participatory Mapping Software and Evaluation -- Chapter 2: Collector for ArcGIS -- Chapter 3: Field Papers -- Chapter 4: GeoODK -- Chapter 5: Maptionnaire -- Chapter 6: KoBoToolbox -- Chapter 7: SeaSketch -- Chapter 8: Sapelli -- Chapter 9: Survey123 -- Chapter 10: Ushahidi -- Chapter 11: Mapeo --Chapter 12: Terrastories -- Chapter 13: Portable OpenStreetMap --Chapter 14: MapBox -- Chapter 15: Trends and Conclusions. This volume provides a framework for evaluating geospatial software Sommario/riassunto for participatory mapping. The evaluation is based on ten key indicators: ethics, cost, technical level, inclusiveness, data accuracy, data privacy, analytical capacity, visualization capacity, openness, and accessibility (i.e., mobile friendly or offline capabilities). Each application is evaluated by a user and cross analyzed with specific case studies of the software's real-world application. This framework does not discriminate against assessing volunteered geographic information (VGI) applications, as a form of participatory mapping, in circumstances that its application is spearheaded by underrepresented groups with the intent to empower and spark political or behavioral change within formal and informal institutions. Each chapter follows a strict template

to ensure that the information within the volume can be updated

periodically to match the ever-changing technological environment. The book covers twelve different mapping applications with the goal of creating a comparative evaluation framework that can be easily interpreted by convening institutions and novice users. This will also help identify gaps in software for participatory mapping which will help to inform application development in the future and updates to current geospatial software.