1. Record Nr. UNINA9910220146303321 Autore Porche Isaac <1968-> Titolo Data_flood : helping the Navy address the rising tide of sensor information / / Isaac R. Porche III [and four others] Pubbl/distr/stampa Santa Monica, California:,: RAND,, 2014 ©2014 **ISBN** 0-8330-8430-5 0-8330-8432-1 Descrizione fisica 1 online resource (85 p.) Disciplina 342.730858 Soggetti Electronic intelligence - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Cover: Title Page: Copyright: Preface: Contents: Figures: Tables: Nota di contenuto Summary: Acknowledgments: Abbreviations: Chapter One: Big Data: Challenges and Opportunities; What Is "Big Data"?; How Big Is Big?; The Navy's Big Data Challenge; The Navy's Big Data Opportunity; Chapter Two: What the Navy Wants from Big Data; Where Am I?; Where Are My Friends?; Where Is the Enemy?; Where Is Everyone Else?; Situational Awareness: A Vital Goal; Chapter Three: Barriers to Benefiting from Big Data: Timely Consumption: Accurate Integration: How Analysts Cope Today Chapter Four: Dynamically Managing Analyst WorkloadsChapter Five: Alternatives for Dealing with Big Data; Baseline; Alternative 1: Applications (Adding More Tools to the Baseline); Alternative 2: Consolidation (Adopt a Service-Oriented Environment); Alternative 3: Cloud (Join the Distributed Cloud); Advantages and Disadvantages of the Alternatives; Differences Among the Baseline and the Alternatives; Summary of the Baseline and Alternatives; Chapter Six: Analysis; Performance; Cost; Risk; Chapter Seven: Recommendations; Move Forward with Alternative 3 (Cloud) Extend Aspects and Components of Alternative 3 to Other Programs and SituationsPrepare for Culture Change: Appendix: Additional

Information; Bibliography

Sommario/riassunto

Navy analysts are struggling to keep pace with the growing flood of data collected by intelligence, surveillance, and reconnaissance sensors. This challenge is sure to intensify as the Navy continues to field new and additional sensors. The authors explore options for solving the Navy's "big data" challenge, considering changes across four dimensions: people, tools and technology, data and data architectures, and demand and demand management.