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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Environmental Trace Analysis: Techniques and Applications; Contents; About the Author; Preface; Acknowledgements; Acronyms and Abbreviations; 1 Basic Laboratory Procedures; 1.1 Introduction; 1.2 Health and Safety Issues; 1.3 Sample Handling: Solid Samples; 1.4 Sample Handling: Liquid Samples; 1.5 Sample Handling: Gases/Vapour Samples; 1.6 Summary; Further Reading; 2 Investigative Approach for Environmental Analysis; 2.1 Introduction; 2.2 Recording of Practical Results; 2.2.1 Useful Tips on Presenting Data in Tables; 2.2.2 Useful Tips on Presenting Data in Graphical Form 2.2.3 Useful Tips for Templates for Presenting Data in Your Notebook2.3 Significant Figures; 2.4 Units; 2.5 Summary; Appendix; Example Template A: Sample Collection; Example Template B: Sample Treatment; Example Template C: Sample Preparation for Inorganic Analysis; Example Template D: Instrumental Analysis; Example Template E: Sample Preparation for Organic Analysis; Example Template F: Instrumental Analysis; Further Reading; 3 Principles of Quantitative Environmental Analysis; 3.1 Introduction; 3.2 Preparing Solutions for Quantitative Work; 3.3 Calibration Graphs

3.4 Limits of Detection/Quantitation 3.5 Calculations: Dilution or Concentration Factors; 3.6 Quality Assurance; 3.6.1 Certified Reference Materials; 3.7 Summary; References; Further Reading; 4 Environmental Sampling; 4.1 Introduction; 4.2 Sampling Soil (and Sediments); 4.3 Sampling Water; 4.4 Sampling Air; 4.5 Summary; Further Reading; 5 Storage of Samples for Analysis; 5.1 Introduction; 5.2 Choice of Storage Container for Liquid Samples; 5.3 Preservation Techniques for Liquid Samples; 5.4 Storage and Preservation of Solid Samples; 5.5 Storage and Preservation of Gaseous Samples; 5.6 Summary Further Reading 6 Preparation of Environmental Solid Samples for Inorganic Analysis; 6.1 Introduction; 6.2 Decomposition Techniques; 6.3 Selective Extraction Methods; 6.3.1 Single Extraction Methods; 6.3.2 Sequential Extraction Method; 6.3.3 Chemometric Identification of Substrates and Element Distributions (CISED) Method; 6.4 Physiologically-Based Extraction Test or In Vitro Gastrointestinal Extraction; 6.4.1 Procedure for Gastric Extraction; 6.4.2 Procedure for Gastric + Intestinal Extraction; 6.5 Earthworms; 6.5.1 Procedure for Earthworm Bioaccumulation Studies (Sandoval et al., 2001) 6.6 Summary Appendix A: Extraction Reagents for Single Extraction Methods; Appendix B: Extraction Reagents for Sequential Extraction Method; Appendix C: Extraction Reagents for In Vitro Gastrointestinal Extraction Using the Unified Bioaccessibility Method (and the FOREhST Method); References; Further Reading; 7 Preparation of Environmental Liquid Samples for Inorganic Analysis; 7.1 Introduction; 7.2 Liquid-Liquid Extraction of Metals; 7.2.1 Procedure for APDC Extraction into MIBK; 7.3 Ion Exchange; 7.3.1 Chelation Ion Exchange; 7.3.2 Procedure for Batch Ion Exchange Extraction 7.4 Co-precipitation

## Sommario/riassunto

"This book covers all aspects of environmental trace analysis from sampling through to preparation of the sample to the analytical techniques used to quantify the level of trace metals or organic compounds. The book is divided into two areas: sample preparation for inorganic analysis and sample preparation for organic analysis. This allows the reader to focus on key aspects related to the preparation of samples for their subsequent analysis. Selected case studies provide the reader with the opportunity to consider how the sample preparation approach can be optimized for their own area of expertise"--

2. Record Nr.	UNISA996200207403316
Autore	Heaney Michael
Titolo	Library statistics for the twenty-first century world [[electronic resource] ] : proceedings of the conference held in Montreal on 18-19 August 2008 reporting on the global library statistics project / / edited by Michael Heaney
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Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- Table of Contents -- FOREWORD -- ADDRESS OF WELCOME -- HOW TO USE STATISTICS TO PUT 'LIBRARIES ON THE AGENDA -- The Global Statistics Project -- GLOBAL LIBRARY STATISTICS FOR THE TWENTY-FIRST CENTURY -- STANDARDISATION OF LIBRARY STATISTICS -- THE 2007 INTERNATIONAL LIBRARY SURVEY IN LATINAMERICA AND THE CARIBBEAN -- EXPERIENCIA EN LA BUSQUEDA DE DATOS ESTADISTICOS SOBRE BIBLIOTECAS DE LA REPUBLICA ARGENTINA -- TRINIDAD AND TOBAGO'S RESPONSE TO UNESCO'S SURVEY ON GLOBAL STATISTICS -- BENCHMARKING IN THE FORM OF PERFORMANCE INDICATORS AND BALANCED SCORECARD -- CURRENT TRENDS IN THE COLLECTION AND USE OF STATISTICS IN ACADEMIC AND PUBLIC LIBRARIES IN AFRICA -- LIMITS OF THE 'GLOBAL STATISTICS' MODEL AND SOME EXAMPLES OF HOW RESULTS ARE USED -- Libraries' Contribution to Cultural Development and Literacy Education -- INFORMATION LITERACY INDICATORS: A MUST FOR COUNTRIES -- KNOWING YOUR READERS AND YOUR COMMUNITY - TOWARDS A BROADER ROLE FOR LIBRARY STATISTICS -- Public Libraries -- CANADA'S PUBLIC LIBRARIES COUNT! -- ANNUAL SURVEY

OF QUÉBEC'S PUBLIC LIBRARIES: A MAJOR REVISION -- UNDERSTANDING THE METHODOLOGICAL FOUNDATIONS OF PUBLIC LIBRARY NATIONAL RATING SYSTEMS -- PRESENTATION OF NORWEGIAN INDICATORS -- QUALITY STANDARDS AND TARGET OUTPUTS BASED ON BENCHMARKING STUDIES IMPROVED BY A PROPOSED PROSPECTIVE BALANCED-SCORECARD MODEL FOR THE MONTRÉAL PUBLIC LIBRARIES SYSTEM -- BIX - THE BIBLIOTHEKSINDEX: STATISTICAL BENCHMARKING IN GERMAN PUBLIC LIBRARIES -- University Libraries -- LIBRARY STATISTICS DATABASE OF THE NATIONAL UNIVERSITY OF LA PLATA (ARGENTINA): A COOPERATIVE EXPERIENCE -- ONLINE STATISTICS FOR AUSTRALIAN, NEW ZEALAND AND ASIAN ACADEMIC LIBRARIES -- LIBQUAL CANADA 2007: SERVICE QUALITY BENCHMARKING ON A NATIONAL SCALE -- LES PROGRAMMES ET PROJETS COMMUNS SUR LES STATISTIQUES DANS LES BIBLIOTHEQUES UNIVERSITAIRES DU CANADA -- TEN YEARS OF EXPERIENCE WITH BENCHMARKING IN DUTCH ACADEMIC LIBRARIES -- UK HIGHER EDUCATION LIBRARY STATISTICS -- INTEGRATED APPROACH TO THE EVALUATION OF DIGITAL LIBRARIES: AN EMERGING STRATEGY FOR MANAGING RESOURCES, CAPABILITIES AND RESULTS -- Conclusions -- WHERE SHALL WE GO FROM HERE? -- GLOBAL LIBRARY STATISTICS - WHAT NEXT FOR IFLA? -- Backmatter

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### Sommario/riassunto

An international collaboration between IFLA, the UNESCO Institute of Statistics and the International Organization for Standardization (ISO) has developed standards for new library indicators for the twenty-first century. The existing international library statistics were developed nearly 40 years ago. This book presents the first results using the new statistics, and look forward to the next steps. It also contains other initiatives and developments in the fields of library statistics, benchmarking and indicators.

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