

1. Record Nr.	UNINA9910725046503321
Autore	Wissemann Volker
Titolo	Ob Dir es sauer wird mit Deiner Nahrung und Ackerwerk, das laß Dich nicht verdrießen, denn Gott hat es also geschaffen : Gottfried Dietrich Wilhelm Berthold (1854 - 1937): Ein Beitrag zur Geschichte der Biologie an der Georgia Augusta Gottingen // Volker Wissemann, Thomaseauthor Friedl, Katharina Ruttig
Pubbl/distr/stampa	Goettingen : , : Universitätsverlag Gottingen, , 2012
Descrizione fisica	1 online resource (145 pages)
Disciplina	580.922
Soggetti	Botanists
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Gottfried Dietrich Wilhelm Berthold (1854-1937) was one the foremost botanists and phycologists at the end of the 19th century. Born and educated in Westphalia, he enrolled at the Georgia Augusta to study plant sciences and focused on algae. After research stays at the Zoological Station at Naples he succeeded his mentor Johannes Reinke on his chair at the Institute of Plant Physiology at the Georgia Augusta Gottingen until 1923. In this study we focus on the biography of Berthold, his private and scientific life, interaction with J. Reinke and other topics related to the life of Berthold. In a second part we highlight his research on algae at the Gulf of Naples. We conclude with an evaluation of his scientific work in the light of the different phases in his life including a full bibliography of his scientific publications. Our study contributes to history of science at the Georgia Augusta.

2. Record Nr.	UNINA9910786132203321
Autore	Bacon M (Michael), <1946->
Titolo	3-D seismic interpretation // M. Bacon, R. Simm, T. Redshaw [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2003
ISBN	1-316-08553-8 1-107-26398-0 1-107-26689-0 1-107-26997-0 1-107-26442-1 1-107-26333-6 0-511-80241-2
Edizione	[1st pbk. ed.]
Descrizione fisica	1 online resource (x, 212 pages) : digital, PDF file(s)
Disciplina	622/.1592
Soggetti	Seismic reflection method Seismic prospecting Petroleum - Geology Natural gas - Geology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; 3-D Seismic Interpretation; Title; Copyright; Contents; Preface; 1 Introduction; 1.1 Seismic data; 1.2 Migration of seismic data; 1.3 Data density; 1.4 Uses of seismic data; 1.5 Road map; 1.6 Conventions: seismic display, units; 1.7 Unit conversions; References; 2 3-D seismic data acquisition and processing; 2.1 Marine 3-D data acquisition; 2.2 Marine shear wave acquisition; 2.3 3-D land acquisition; 2.4 Other types of seismic survey; 2.5 3-D data processing; 2.5.1 Reformat, designature, resampling and gain adjustment; 2.5.2 Deconvolution; 2.5.3 Removing multiples; 2.5.4 Binning 2.5.5 Stacking and migration2.5.6 Post-migration processing; References; 3 Structural interpretation; 3.1 Well ties; 3.1.1 The synthetic seismogram; 3.1.2 The VSP; 3.2 Workstation interpretation; 3.2.1 Display capabilities; 3.2.2 Manual horizon picking; 3.2.3 Autotracker; 3.2.4 Attributes; 3.2.5 Viewing data in 3-D; 3.3 Depth

conversion; 3.3.1 Principles of vertical-stretch methods; 3.3.2 Use of well velocity information; 3.3.3 Use of seismic velocities; 3.3.4 Lateral shifts; References; 4 Geological interpretation; 4.1 Seismic resolution; 4.2 Seismic stratigraphy; 4.3 Interpretation tools  
4.4 Some examples 4.5 Faults; References; 5 Interpreting seismic amplitudes; 5.1 Basic rock properties; 5.2 Offset reflectivity; 5.3 Interpreting amplitudes; 5.4 AVO analysis; 5.5 Rock physics for seismic modelling; 5.5.1 Fluid effects; 5.5.1.1 Calculating fluid parameters; 5.5.1.2 Calculating matrix parameters; 5.5.1.3 Invasion effects; 5.5.2 P-wave velocity and porosity; 5.5.3 P-wave velocity and clay content; 5.5.4 P-wave velocity and density; 5.5.5 Shear velocity; 5.5.6 Dry rock moduli; 5.6 Assessing significance; References; 6 Inversion; 6.1 Principles; 6.2 Procedures; 6.2.1 SAIL logs  
6.2.2 Extending the bandwidth 6.3 Benefits of inversion; 6.3.1 Inferring reservoir quality; 6.3.2 Stochastic inversion; 6.4 AVO effects; References; 7 3-D seismic data visualisation; Reference; 8 Time-lapse seismic; 8.1 Rock physics; 8.2 Seismic measurements; 8.3 Seismic repeatability; 8.4 Seismic processing; 8.5 Examples; References; Appendix 1: Workstation issues; A1.1 Hardware; A1.2 Software; A1.3 Data management; Reference; Appendix 2: Glossary; Appendix 3: Recent developments; A3.1 Seismic acquisition: multi-azimuth and wide azimuth; A3.2 Pore pressure prediction  
A3.3 Elastic impedance inversion A3.4 Time-lapse seismic; References; Index

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## Sommario/riassunto

3-D seismic data have become the key tool used in the petroleum industry to understand the subsurface. In addition to providing excellent structural images, the dense sampling of a 3-D survey makes it possible to map reservoir quality and the distribution of oil and gas. Topics covered in this book include basic structural interpretation and map-making; the use of 3-D visualisation methods; interpretation of seismic amplitudes, including their relation to rock and fluid properties; and the generation and use of AVO and acoustic impedance datasets. This new paperback edition includes an extra appendix presenting new material on novel acquisition design, pore pressure prediction from seismic velocity, elastic impedance inversion, and time lapse seismics. Written by professional geophysicists with many years' experience in the oil industry, the book is indispensable for geoscientists using 3-D seismic data, including graduate students and new entrants into the petroleum industry.

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