







Q

Home ► All Journals ► Economics, Finance & Business ► Quantitative Finance ► List of Issues ► Volume 12, Issue 12 ► Inconvenience yield, or the theory of no

Quantitative Finance >

Volume 12, 2012 - Issue 12: Commodities

518 9

Views CrossRef citations to date Altmetric

Features

Inconvenience yield, or the theory of normal contango

Ilia Bouchouev

Pages 1773-1777 | Received 01 May 2010, Accepted 22 Aug 2011, Published online: 11 Dec 2012

Sample our
Mathematics & Statistics
Journals

>> Sign in here to start your access to the latest two volumes for 14 days



Figures & data



66 Citations

Metrics

➡ Reprints & Permissions

Read this article

Share



© 2012 iStockphoto LP

Inconvenience yield, or the theory of normal contango

ILIA BOUCHOUEV*

Koch Supply & Trading, L.P., 667 Madison Ave, 22nd Floor, New York, NY 10065, USA

The relative impact of fundamental imbalances and Traditionally, there has always been more producer financial flows on oil prices remains the subject of intense debate among market participants, economists, and policy makers. Proponents of traditional fundamental views blame the oil price spike of 2008-when U.S. crude rose to an all-time high of almost \$150 a barrel-primarily on the inability of the global refining industry to cope with the rapid demand growth from emerging markets. Conversely, practitioners tend to point towards additional demand for futures from so-called 'long-only' investors, such as pension funds, whose increased allocations to commodities shifted established balances between buyers and sellers. investments in commodities are often poorly understood, leading to incorrect characterisations of the relevant market participants and misleading conclusions about the impact of their activities on the price dynamics.

This article highlights structural changes in supply and demand for hedging services which are becoming increasingly important factors for determining the price of oil.

hedging than consumer hedging in oil markets. While investor money used to balance this gap nicely, it now far exceeds it. It is important, though, to realise that the reasons investors are coming to the oil market have changed. With contango being the 'normal' oil market structure for the last several years, investors are no longer investing in the front end of the oil market primarily in order to collect a positive risk premium driven by the roll yield. Rather, they are hedging against inflation, U.S. dollar weakness, and possible geopolitical events that could negatively impact the rest of their investment Unfortunately, the economic objectives of financial portfolios. As the traditional roles of different players change, so too do the market instruments available to them. This article applies these changes in the behaviour of market participants to the classical Keynes-Hicks theory of normal backwardation, and the Kaldor-Working-Brennan theory of storage, and looks at how calendar spread options (CSOs) are becoming an increasingly popular risk management tool.

Traditional economics postulates that the price of commodities such as oil is determined by the equilibrium between consumer demand for physical barrels and

Quantitative Finance

ISSN 1469-7688 print/ISSN 1469-7696 online © 2012 Incisive Media. First published in September 2011 in Energy Risk magazine. http://www.tandfonline.com
http://www.tandfonline.com

Acknowledgements

Various aspects of this paper were presented at Global Derivatives (May 2010 and April 2011, Paris), Energy Risk Asia (September 2010, Singapore), and Energy Risk USA (May 2011, Houston). The author thanks participants of these conferences for useful discussions. The information herein is taken from sources the author believes to be reliable. All of the contents are subjective opinions of the author alone.

^{*}Email: Ilia.Bouchouev@kochind.com

Log in via your institution

Access through your institution

Log in to Taylor & Francis Online

> Log in

Restore content access

> Restore content access for purchases made as guest

Purchase options *

Save for later

PDF download + Online access

- · 48 hours access to article PDF & online version
- · Article PDF can be downloaded
- Article PDF can be printed

EUR 48.00



Issue Purchase

- 30 days online access to complete issue
- · Article PDFs can be downloaded
- · Article PDFs can be printed

EUR 697.00



* Local tax will be added as applicable



Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources by email



Sign me up











Accessibility



Copyright © 2025 Informa UK Limited Privacy policy Cookies Terms & conditions



Registered in England & Wales No. 01072954 5 Howick Place | London | SW1P 1WG