Description

I begin by observing that oil prices have been far more volatile in the "OPEC Era" of oil pricing than in the previous era of the Seven Sisters and the Texas Railroad Commission. I explain that OPEC benefits from volatility because 1) short run net demand to OPEC is very inelastic, unlike long run net demand, 2) asymmetric effects of oil prices on world GDP imply multiple equilibrium prices for the cartel, and 3) fluctuations in price initiated by OPEC cause its revenues to vary countercyclically with macroeconomic activity, allowing OPEC to earn a risk premium in financial markets. I describe a history of destabilizing behavior, discuss the effect of the shale boom on OPEC's market power, and address an opposing point of view.

Affiliations

Elevation Direct Corporation; elevationdirect.com Rivier University; rivier.edu

References

Adelman, M.A. (2004). "The real oil problem", Regulation (spring), 16-21.

Alhajji, A.F., Huettner, D. (2000). "OPEC and world crude oil markets from 1973 to 1994: cartel, oligopoly, or competitive?" Energy Journal 21(3), 31-60; <u>https://doi.org/10.5547/ISSN0195-6574-EJ-Vol21-No3-2</u>

Golombek, R., Irarrazabal, A., Ma, L. (2018). "OPEC's market power: An empirical dominant firm model for the oil market", Energy Economics 70, 98-115; <u>https://doi.org/10.1016/j.eneco.2017.11.009</u>

Mork, K.A. (1994). "Business cycles and the oil market", Energy Journal 15 (special issue), 15-38, http://dx.doi.org/10.5547/ISSN0195-6574-EJ-Vol15-NoSI-3

Pindyck, R.S. (1978). "Gains to producers from the cartelization of exhaustible resources", Review of Economics and Statistics 60:2, 238-251, <u>http://www.jstor.org/stable/1924977</u>

OPEC website: https://www.opec.org/opec_web/en/index.htm, accessed July 11, 2020

Pierru, A., Smith, J.L., Almutairi, H. (2020). "OPEC's pursuit of market stability", Economics of Energy & Environmental Policy (forthcoming). DOI: 10.5547/2160-5890.9.2.apie

Sampson, A. (1975). The Seven Sisters : The Great Oil Companies and the World They Shaped. New York, New York: Viking Press. <u>https://doi.org/10.1177/000271627642500117</u>

Vatter, M.H. (2017). "OPEC's kinked demand curve", Energy Economics 63, 272-287. http://dx.doi.org/10.1016/j.eneco.2017.02.010

Vatter, M.H. (2018). "OPEC and the shale boom", USAEE Working Paper. http://dx.doi.org/10.2139/ssrn.3188469 Vatter, M.H. (2019). "OPEC's risk premia and volatility in oil prices", International Advances in Economic Research 25, 165-175. <u>https://doi.org/10.1007/s11294-019-09734-7</u>

Vatter, M.H., Van Vactor, S.A., Coburn, T.C. (2020). "The Impact of U.S. shale oil on the global oil market: case study, Bakken Shale. USAEE Working Paper No. 20-452. <u>http://dx.doi.org/10.2139/ssrn.3617185</u>