

Titre : Le Concept de Système pétrolier, démarche méthodologique et application possible hors et post Pétrole

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Texte :

In the 1980's Alain Perrodon (ENSG 1947) wrote a single sentence about the Petroleum System to explain the genesis, the migration and the trapping of Hydrocarbon Molecules :

The Petroleum System (PS) corresponds to the dynamic sequence of all the combined geological elements and processes which, from a Source Rock using a common plumbing system = the Migration pathways to one or several reservoir / seal pair(s) = the Petroleum Play(s) leads to the formation of a genetically related family of Hydrocarbon Accumulations (HCA)"

Nowadays, this definition is not only a legacy but the right way to rigorously tackle all methodological challenges related to Petroleum Exploration, risking, evaluation of uncertainties and creation of economic value.

Are this concept and methodologies available for mining ore exploration or more generally minerals useful for Human activities ?

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Mots-Clés : Petroleum System , Reservoir, Seal accumulation, exploration, fluid flows