

# **Integrated Analysis and Modeling of Geological Basins in Vietnam and an Assessment of Their Hydrocarbon Potential: Scopes and Results of Phase 1 and 2 of the ENRECA-Project**

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The ENRECA-project was initiated in 2001 building on the co-operation between Vietnam Petroleum Institute (VPI) and GEUS since 1995. The project is supported by Danida and involves co-operation between VPI, PetroVietnam (PV), Hanoi University of Mining and Geology, Hanoi University of Science, University of Copenhagen and GEUS. The principal scopes of the project are enhancement of the research capacity within Vietnamese geoscience, technology transfer and demand-driven research focussed on hydrocarbon assessment and promotion of the Vietnamese basins.

The first phase of the project focused on the Phu Khanh Basin and was completed in 2005 with the issue of 8 Vietnamese M.Sc. degrees, publication of several papers in international journals, numerous conference presentations, and technical reporting to PV. The second phase of the project began in 2005 with focus on the petroleum systems in the Malay-Tho Chu and the Phu Quoc basins. The core group is 9 Vietnamese Ph.D. and M.Sc. students supported by senior researchers from Vietnam and Denmark; a number of Danish students are associated to the project. The research group carries out basin analysis including studies of seismic, well and gravity data; source rock analyses; reservoir studies; biostratigraphy; field studies of outcrops; drilling of the 500 m deep ENRECA-2 well on the Phu Quoc island, etc. At a later stage, the many research results will be integrated, and via basin modelling the hydrocarbon potential of the basins will be assessed. Selected highlights of the many studies and activities of Phase 1 and 2 of the project are displayed.