

GEO-INFORMATICS AND SPACE TECHNOLOGY
FOR SUSTAINABLE TOURISM IN THE DESIGNATED AREA
OF KOH CHANG ISLANDS AND RELATED AREA, TRAT, THAILAND

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Abstract: Tourism is of great economic importance to Thailand. In 2011, 6% of the total gross domestic product was generated by tourism. However, Thai domestic tourism has still not developed continually to support the expansion of tourism that has continuously increased. The objectives of this project were: 1) to develop a tourism attraction information system, 2) to produce tourist maps, and 3) to promote through satellite and geo-informatics data for the benefit of tourism. Data used in this study were Thaichote (THEOS) with 2 meter high resolution and geo-informatics data collected via ground survey. These have been developed as a system to serve tourists through a Google Map as well as a tourist satellite image map. The study areas were Koh Chang, Koh Mak, and Koh Kut, Koh Kut district, Trat, Thailand that are under the responsibility of Designated Areas for Sustainable Tourism Administration (Public Organization); DASTA through the Area of Koh Chang Islands and Related Areas. Therefore, the results of this project were tourism attraction information system and tourist maps for tourism promotion. Furthermore local agencies can use them for various services leading to long-term and sustain development.

Keyword: Thaichote, tourism attraction information system, tourist satellite image map, sustainable tourism