

CASE STUDY OF A SUCCESSFUL NATIONAL INDUSTRIAL DEVELOPMENT PROGRAMME/STRATEGY

1. The problem or issue addressed:

In the 21st century, there has been increasing pressure to move away from the current socio-economic system, which is based on mass production, mass consumption, mass disposal, to the establishment of an environmentally sound and sustainable society. In order to accomplish this, the voluntary and positive efforts of business playing a significant role in socio-economic activities are needed. It is also realized that enhancing competitive market of Thai businesses for the upcoming environmental management system coupled with sustainability concept requires insightful knowledge on benchmarking, environmental performance indicators and environmental reporting.

2. Name of the programme:

R&D programme designed to make available best practice information (including environmental and social programme) to industry sectors as well as to promote information exchange between enterprises.

3. Timeframe: 2 years

Year started: 2000

4. Status: ☐ Ongoing ☒ Completed in year **2002**

5. Main objectives:

To build up knowledge-based tools and good practice to improve environmental management; therefore, two tasks were developed as follows.

- Competitiveness for Thai industry through environmental management benchmarking case study: palm oil industry
- Application of the production performance indicators in accordance with global reporting initiative to Thai pulp and paper factory

6. Lead institution: Thailand Research Fund

7. Other implementation arrangements and stakeholders involved (public, private, NGOs, CBOs, international support, etc.):

Collaboration with Chulalongkorn University (academia), Thailand Environmental Institute (NGO), 10 palm oil factories and 16 pulp and paper factories.

8. The results achieved (if possible, please address the social, economic and environmental impacts of the programme):

1. A suitable model for benchmarking palm oil processes in Thai Industry
 - i a guide for promoting benchmarking to the public and for continuing environmental development undertaken by industry
 - ii a handbook for good and best practices concerning environmental management of palm oil industries
 - iii factories' capability of developing an action plan on energy, water and resource use management
 - iv factories' ability to value and share information among each other
2. Appropriate environmental indicators for pulp and paper industry
 - i useful information for factory's evaluation in term of cost effectiveness and operational management
 - ii the first Thai environmental reporting in accordance with GRI guideline published by SIAM Kraft, one of 16 pulp and paper factories

9. The relationship of the programme to internationally agreed goals and targets:

Johannesburg Plan of Implementation : changing unsustainable patterns of consumption and production