

Summary of progress

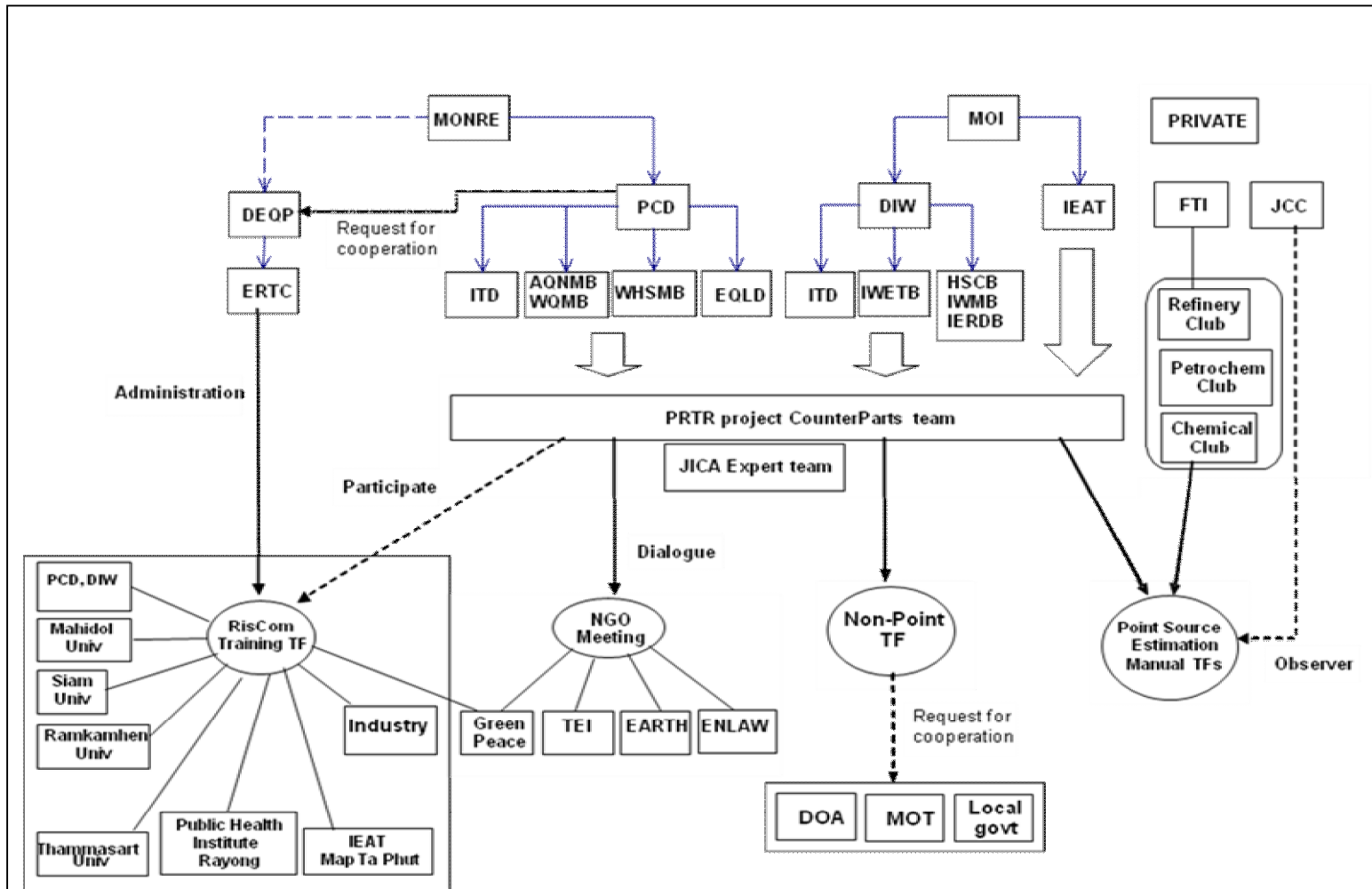
1.1 Summary sheet

Summary	<p>During the reporting period of 6 months since October 2011, serious flood occurred in Thailand, most of the activities during October- December 2011 were forced to be cancelled or suspended. Japanese study tour planned in November 2011 was also postponed to next fiscal year.</p> <p>Project activity re-started in January 2012, and hence the progress came back to normal. Basic paper of PRTR design, target substance list, point source target paper has been drafted. Risk communication training course was developed and 1st course was implemented at Rayong province.</p>
Activity	<ul style="list-style-type: none"> ● Development of risk communication training course (continued activity at ERTC) ● Implementation of risk communication training on Jan.23rd . 25th , 2012. ● Drafted basic paper on PRTR design. ● Update and revise the target substance list ● Drafted the paper on point source definition. ● Drafted basic paper on non point source target. ● Continued task force activities for release estimation manual preparation. ● Hold 4th CP meeting on Feb. 27th , 2012. ● Participated PRTR seminar organized by JCC on March 6th , 2012. ● Hold 2nd NGO meeting on March 13th , 2012. ● Prepared the Progress Report No. 2.
Paper/report prepared	<ul style="list-style-type: none"> ● Progress Report No.2
Issues	<ul style="list-style-type: none"> ● Budget situation for 2013 is not clear at this stage due to critical situation caused by flood problem and priority allocation for their measure by the government. ● Coordination between PCD and DIW for continued development and sharing of data base.
Plan	<ul style="list-style-type: none"> ● JCC meeting scheduled in May 2012. ● Japanese study tour scheduled in July 2012. ● Data availability survey for non point source to be implemented. ● Start developing relationship with the stakeholders and implementation structure for pilot project in Rayong.

1.2 Organization structure

Diagram in next page shows organization structure of the project and the relationship with various stakeholders as of March 2012.

Organization structure of the project and relation with stakeholders



Progress of each output

Output 1 Design of PRTR system	
Summary	<p>Design element of PRTR system was discussed and basic paper was drafted as start point of discussion with stakeholders. Based on the suggestion and comment from various parties, target substance list was revised and updated.</p> <p>Papers for point source target definition and for non point source target activity were drafted.</p> <p>PRTR Web/database prototype was developed under subcontract.</p>
Activity	<ul style="list-style-type: none"> ● Basic paper for PRTR system was drafted and discussed in the 4th CP meeting. ● Revise and update the target substance list based on comment from the stakeholders. ● Drafted point source definition and discussed at the 4th CP meeting. ● Basic idea for non point source was discussed and paper was drafted.
Paper/report prepared	<ul style="list-style-type: none"> ● Basic paper of PRTR design ● Updated list of target substance and paper
Issues	<ul style="list-style-type: none"> ● Public consultation with all stakeholders and feedback to the system design. ● Consensus development for level of PRTR data disclosure
Plan	<ul style="list-style-type: none"> ● Revise the basic paper upon receiving the comment from CP organization by the end of May 2012. ● Continue revise/update of the target substance list. ● Information seminar and awareness raising activity at pilot area ● Preparation for pilot implementation

Output 2 Reporting system from Industry	
Summary	<p>Following the first list of target substance, basic approach to define the point source was formulated. Then the draft point source definition was prepared and discussed in CP meeting.</p>
Activity	<ul style="list-style-type: none"> ● Study the foreign case of point source definition ● Formulate basic approach to define point source ● Determination of definition element based on DIW data on 2006 and preparation of draft point source definition.
Paper/report prepared	Draft point source definition
Issues	<ul style="list-style-type: none"> ● Point source other than industrial factory need to be considered and basic fact study become necessary. Involvement of such point source shall be considered for pilot implementation in view of practical sense. ● Utilization of local personnel/resources in developing reporting mechanism in pilot implementation.

	<ul style="list-style-type: none"> ● Development of organizational structure within IEAT for pilot implementation.
Plan	<ul style="list-style-type: none"> ● Revise/update for point source definition based on comment from the stakeholders. ● Design reporting mechanism considering current situation of pilot area.

Output 3 Estimation from Point Source	
Summary	Continued the development of release estimation manual in collaboration with FTI. Following %Refinery+ manual, task force for %Chemical/Petrochemical+ manual was set up and official meetings were organized in January, 2012.
Activity	<ul style="list-style-type: none"> ● The 2nd task force meeting for release estimation manual of %Refinery Industry+ was held on Jan. 30th, 2012. ● The 1st task force meeting for release estimation manual of %Chemical/Petrochemical Industry+ was held on Jan. 30th, 2012.
Paper/report prepared	Not at this stage.
Issues	<ul style="list-style-type: none"> ● Estimation method and responsible party for estimation of emission from factories outside of point source defined business shall be discussed. ● Estimation method and responsible party for estimation of emission from factories below threshold shall be discussed. ● Estimation method and responsible party for estimation of emission from point source which is not factories shall be discussed. ● Set up of another task force to cover the industrial sector other than %Refinery+ and %Chemical/Petrochemical+.
Plan	<ul style="list-style-type: none"> ● Preparation of sector specific estimation manual (continued activity) ● Set up of new task force for %Automobile and related industry+. ● Basic fact study and preparation of detail study plan for factories outside of point source defined business, factories below threshold and point source which is not factories.

Output 4 Estimation from Non Point Source	
Summary	<p>Basic paper for non point source selection in Thailand was prepared based on the basic paper from Japan studied in the period of progress 1.</p> <p>TOR was also prepared to plan data availability survey for non point sources.</p>
Activity	<ul style="list-style-type: none"> ● Contacted Thailand Paint Industry Association for data collection (such as MSDS). ● Contacted Thailand Automotive Industry Association for exchange of information on emission factors ● Data evaluation of current emission factor on mobile source ● Guidance on background problem of AEL

	<ul style="list-style-type: none"> ● Discussion and preparation of basic paper for non point source target selection ● Preparation of TOR for data availability survey
Paper/report prepared	<ul style="list-style-type: none"> ● Basic paper for non point source target selection
Issues	Responsibility for estimation of factories outside of point source definition shall be coordinated between PCD and DIW.
Plan	<ul style="list-style-type: none"> ● Implement data availability survey by local subcontract ● Information collection from Thailand Paint Industry Association ● Exchange of information with Thailand Automobile Industry Association on emission factors ● Judgment of necessity for additional experiment of emission factor for used car data.

Output 5 Utilization of PRTR data PRTR	
Summary	<p>Current situation on use of air dispersion model, which is necessary for PRTR data utilization, was studied.</p> <p>Example of PRTR data utilization (in Thai) was prepared based on Japanese literature.</p>
Activity	<ul style="list-style-type: none"> ● Implement the study of air dispersion model through the researcher in the University in Thailand. ● Select the Japanese literature as a model, example paper was prepared in Thai and edited by the researcher in the University in Thailand.
Paper/report prepared	<ul style="list-style-type: none"> ● Report on air dispersion model utilization in Thailand ● Example of PRTR data utilization (in Thai)
Issues	It was found that ADMER model used in Japan for PRTR data have difficulty in applying in Thailand due to conversion of meteorology data. Other model shall be considered.
Plan	Study the applicability of other model.

Output 6 Risk Communication	
Summary	Continued the development of training course. Prepared the curriculum and materials. Organized the first training course in rayon on Jan. 2012.
Activity	<ul style="list-style-type: none"> ● Task force meeting on risk communication training development was held on Oct. 2011. ● Workshop on risk communication training development was held on Oct. 2011. ● Preparation of training materials for risk communication training ● First risk communication training was held in Rayong on Jan. 2012. ● Task force meeting on risk communication training development was

	<p>held for evaluation of the training on Jan. 2012.</p> <ul style="list-style-type: none"> ● Deepen the understanding for improving the training curriculum by sharing the view with the participants in the training.
Paper/report prepared	<ul style="list-style-type: none"> ● Training materials for risk communication ● Report on development of risk communication training
Issues	<ul style="list-style-type: none"> ● Continued implementation of training course under the budget allocation from Thailand government and improvement of training curriculum and materials. ● Clarification of training course status in PRTR system
Plan	<ul style="list-style-type: none"> ● Improvement of training curriculum and material and promotion of continued implementation of the course at ERTC. ● Follow up of training participants and support their activity. ● Training workshop on risk communication for CP of the project.