

Vietnam: Short Term Proposal currently underway re

1. Haiphong – A World First in developing a systems based integrated systemic Governance Plan
2. Completing two management models for sustainability for future use in Cat Ba
3. Introducing Ecopolicy in 15 high schools and Universities in Haiphong

Project Leaders:

Haiphong City

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Professor Ockie Bosch

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Proposals

Apart from completing these tasks in preparation for the World Conference of ISSS Haiphong 2013, the work that will be carried out in this proposal will also serve as a basis for continuation of the Integrated Governance of Haiphong, the management of Cat Ba Biosphere Reserve and the spreading of Ecopolicy to all schools in Haiphong and later to Vietnam as a whole after the world conference.

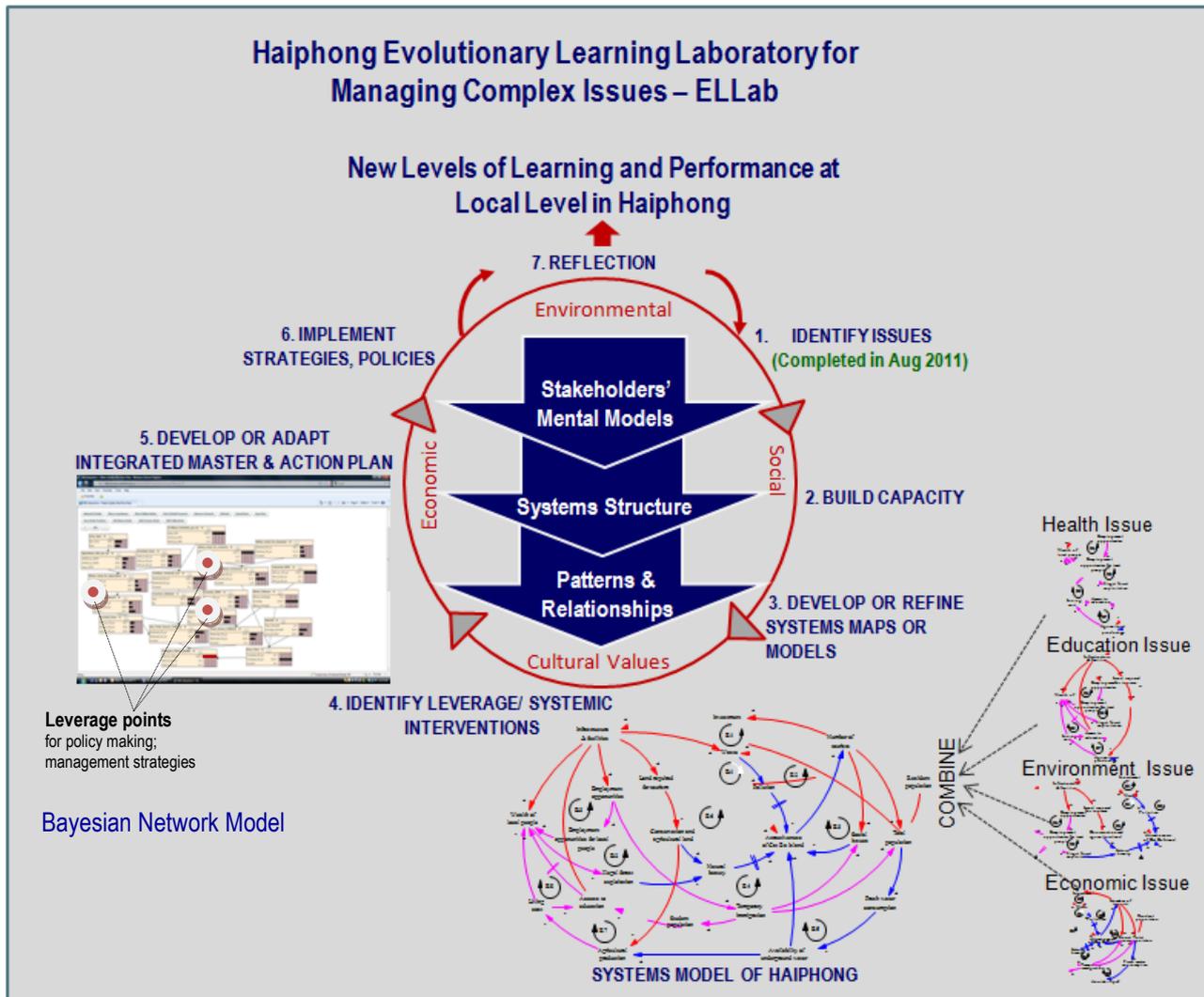
1. Haiphong City – A World First in using systems approach for systemic governance

This first proposal is to follow-up on the workshop held on 24 August 2011 during which representatives from different departments have identified the main issues in governing Haiphong. The concept is to develop a systems model for each of the main issues through follow-up workshops with representatives of different government departments, businesses and others in Haiphong. The models will then be integrated (combined) into one systems model that will indicate how the different departments, businesses and others will need to communicate and collaborate with each other in order to solve the complex issues systemically. The combined model will serve as a basis to develop an Integrated Plan for Systemic Governance (using a Bayesian Network Model), which can be used to test different policy scenarios and to identify the leverage points where investment will have the biggest effect.

This integrated model will be embedded in a cyclic process, in which people will implement the governance strategies and policies, reflect and discuss the outcomes and change where and if required over time. This process will establish Haiphong

as a Learning Laboratory for sustainable development and management of complex issues – which will be a “World First”. The process is illustrated in the following diagram:

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Outcomes

- A series of Models for Managing main complex issues in Haiphong that are combined into the “World First” Model for Integrated Governance (across different sectors of Government).
- 1,000 printed brochures on the Haiphong World First model demonstrating how the Government uses a systems approach for dealing with complex issues that need cross-sectoral communication and collaboration.
- A framework and contents for a publication on the World First Model
 - for presentation at the ISSS Haiphong 2013 by Dr Thanh as first keynote speaker in the Opening Plenary Session and
 - a scientific publication to be published in the official journal of the International Federation for Systems Research (*Journal of Systems Research and Behavioural Sciences*).
- A funding application for potential donors and funding organisations to institutionalise Haiphong as a Learning Laboratory (Continuing after the World Conference).

2. Cat Ba Biosphere Reserve – completing management models for sustainable management

Since 2008 Professor Ockie Bosch and his team have worked with various people involved in the management of the Cat Ba Biosphere Reserve. They provided training (AusAid funded) to 10 people from Vietnam (Australian Leadership Award Fellows) in how to develop systems models and how to use these in developing management strategies. A systems model of the CBBR has been developed and was refined during follow-up workshops by various participants from different Government departments and others. The model was used to identify leverage points for systemic intervention (in other words, the main issues that the people felt needed urgent attention).

In this regard a Sustainable Tourism Management Model has been developed and is ready to be launched during the ISSS Haiphong 2013 World Conference. Two other issues that were identified as highly important are the issues of *waste management* and *improving the livelihoods of the people* on the island.

Two very successful workshops were held by Professor Ockie Bosch and Dr Nam Nguyen on 24 and 25 August 2012 on Cat Ba Island. A very large amount of information was obtained on the mental models of more than 80 people that were representing various sectors of society. After the workshops the information of the first workshop was analysed and a first draft framework of a waste management model has been developed. Three of the previously trained ALA Fellows helped with this process and will continue to also develop a first draft of the Improving Livelihoods model. These models need to be populated with the information from the workshops, as well as follow-up discussions with small groups and individuals.

This part of the proposal is to help the finalisation of these two models in order for the managers of Cat Ba to present the models during the ISSS Haiphong 2013 world conference's visit to Cat Ba Island.

Outcomes

- **Management model for sustainable Tourism development (Completed)**
- **Model for Waste Management**
- **Model for Improving the Livelihood of commoners**
- **Two frameworks and contents for two conference papers on the above mentioned models to be presented at the ISSS Haiphong 2013 by Cat Ba BR managers during the Cat Ba visit of the conference attendees..**

3. Ecopolicy – First introduction in Vietnam

Government and business institutions are under pressure to make the right investment decisions in the face of a continually changing world. Policy makers, managers and leaders today are expected to deliver innovative solutions to cope with increasing change and uncertainty. Despite many efforts to deal with these complex issues facing our society the solutions so far have been seldom long lasting. In order to govern our complex society towards resilient technical, economical and social developments there is an urgent need to step outside our collective 'comfort zone' and to develop **new ways of thinking and acting** in the interest of our future. It is essential for current and future managers and leaders to be equipped with new ways of thinking that are systems design-led to deal with complex problems in a systemic, integrated and collaborative fashion – that is, working together in identifying and dealing with root causes of issues rather than focusing on short-term fixes.

“**Starting with the young**” is a major leverage point to address this difficult problem and gaming is part of the culture or language that talks to young people. With these as departure points the simulation game (Ecopolicy) introduces young people to the concepts of systems and interconnected thinking. The Ecopolicy Simulation Game has been introduced and explained during a workshop in Haiphong that was attended by representatives from Government, schools and Universities in Haiphong. It was demonstrated how students learn through playing the computer simulation game, how to shift from our

traditional, mainly linear, simple cause-effect thinking approaches to a new way of thinking in relations, in feedback cycles, in patterns, in networks, in systems. Most important, the game is fun, with illustrations, animations and music leading to a strong emotional engagement with the message of the game.

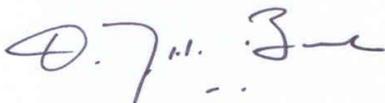
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The workshop decided that a group of High schools and Universities in Haiphong will be the first in Vietnam to take part in a series of competitions to learn about interconnected thinking. The competitions will be run within schools and Universities in several rounds between small teams within classes and between classes until a winning team for each school and university has been determined.

The final competition will be run as an “**Ecopolicyade**” when all the winning teams from each school and University will be competing against each other in the presence of invited guests from all walks of life - managers and decision makers in Government, companies, businesses and organisations. The winning team will represent Haiphong at the World Conference of Haiphong ISSS 2013 to compete in the International Ecopolicyade against the best teams from around the world. At these events, the teams will be able to obtain advice from a world audience of systems scientists and representatives of international Governments, large companies and organisations – a truly **inter-generational and inter-cultural co-learning** experience for all involved on how to deal with the complex issues facing our world.

This proposal includes the following:

- **Introduction seminar by Professor Ockie Bosch and Dr Nam Nguyen in Haiphong (Completed)**
- **Training of teachers in 15 high schools and Universities in Haiphong in using the Ecopolicy program**
- **Provide CDs and related materials to the participants**
- **Coordinate the final Ecopolicy competition in Haiphong (City authorities, business people and others to be involved) to determine a winning team that will participate in the International Ecopolicyade to be held during the World Conference of the ISSS Haiphong 2013.**



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Budget

The budget for completing the above services and providing the outcomes stated are outlined in the following table:

Issue	Items	Timing	Labour & Material	Material Cost	Man days	Notes
	Visit One	End Nov/Early	Dec- 12			
Haiphong "World First"	1 Haiphong World First Workshop identify main issues	Aug-11	0	\$ 0	0	Completed
	2. Two Workshops to build draft models of two main issues		Workshop Preparation (1 DayX 2 People)		2	In Australia, University of Adelaide
			Running two workshops (2 daysX2 people)		4	In Haiphong; participants to represent different Government departments/City authorities depending on nature of the issues
Ecopolicy	3. Teachers Training Ecopolicy		1dayX2 people		2	In Haiphong; attendees one or two teachers per school and University
			Providing CDs and materials for Ecopolicy to 15 schools and Universities	\$ 10,800.00		Material sourced from Malik Management in Switzerland through agreement between University of Adelaide and Malik.
Cat Ba	4. Finalise Waste Management Model and develop first draft Improving Livelihood management model		2daysX2People		4	Work with Tuyen, Lien and Phom
			DBLi Licence (Software for constructing management models)	\$ 2,000.00		Licence required per agreement with Adelaide Research Innovation and University of Queensland partnership
Haiphong/Cat Ba/Ecopolicy	Travel		Return airfares 2 people Adelaide - Haiphong	\$ 5,000.00		
Haiphong "World First"	5. Analysis and producing first two draft models	Dec & January	Data analysis 5 daysX2 people		10	In Australia, University of Adelaide

	6. Prepare first draft framework for Dr Thanh's presentation on Haiphong "World First"		Paper construction 1 dayX2people		2	In Australia, University of Adelaide
	Visit Two	Early Feb -13				
Haiphong World First	7. Refinement of above models by Haiphong people & two workshops to build models of next two main issues		Preparation 1 DayX2 people		2	In Australia, University of Adelaide
			2 Refinement Workshops: 1 dayX2people		2	People involved in previous workshops to be present
			2 workshops for new main issues 2 daysX2People		4	Participants depend on nature of the issue
	8. Analysis and producing further two draft models		5daysX2people		10	
	9. Prepare Framework for presentations of two management models at ISSS Haiphong 2013		1dayX2people		2	
Cat Ba	10. Finalise Improving Livelihood management model		2daysX2People		4	
Ecopolicy	11. Visit schools and universities to check progress with Ecopolicy competitions		2daysX2People		4	Help to ensure that all conditions for all participants are the same
Haiphong/Cat Ba/Ecopolicy	Travel		Return airfares 2 people Adelaide to Haiphong	\$ 5,000.00		
	Visit Three	Mid April -13				
	Preparation		1 DayX2 people		2	In Australia, University of Adelaide
Haiphong "World First"	12. Refinement of further two models by Haiphong people		2 Refinement Workshops: 1 dayX2people)		2	Models will be sent to relevant people to study before the refinement workshop
	13. Complete first draft of paper for Dr Thanh's presentation		1dayX2people		2	In Haiphong, working with Dr Thanh
	14. Combine four models into an Integrated Governance Plan for managing the four main issues identified and hold one workshop to test the validity of the model		5 daysX2people		10	Four days work by Researchers, followed by a one day workshop during which the model will be tested with different scenarios
Cat Ba	15. Help presenters of Waste management and Livelihood models to complete papers.		2daysX2people		4	In Haiphong, working with presenters

Ecopolicy	16. Coordinate and run final competition of Ecopolicy to determine a winning team that will represent Haiphong at International Ecopolicyade during ISSS Haiphong 2013		1dayX2people		2	The final competition (Haiphong Ecopolicyade) needs to happen in the presence of city authorities, government officials, business people and others to create a co-learning experience.
Haiphong/Cat Ba/Ecopolicy	Travel		Return airfares 2 people Adelaide to Haiphong	\$ 5,000.00		
	18. Complete paper for Dr Thanh's presentation at ISSS Haiphong 2013	Jun-13	3daysX2people		6	In Australia, University of Adelaide
	19. Prepare contents for colour Brochure on Haiphong - A World First.	Jun-13	2daysX1 person		2	In Australia, University of Adelaide
		Jun-13	Designer and printing 1000 copies	\$ 800.00		In Australia, University of Adelaide
	20. Prepare Funding application for continuation of Haiphong World First	Jun-13	3 daysX2people		6	In Australia, University of Adelaide
			Sub-Totals	\$ 28,600.00	\$ 21,400.00	NOTE 1: This is 88 working man days X US\$243. This daily rate is 20% of the combined per day payment that Professor Bosch and Dr Nguyen receives from the University of Adelaide. 80% of the labour costs will therefore be subsidised by the University of Adelaide
			TOTAL	\$ 50,000.00		NOTE 2: This budget does not include accommodation, meals and domestic travel in Vietnam.