

# **STRATEGIC ENVIRONMENTAL ASSESSMENT (SEA)**

## **A DISTANCE LEARNING COURSE FOR CHINA**

**Produced by**  
**The World Bank**  
**State Environmental Protection Administration of China (SEPA)**  
**International Association for Impact Assessment (IAIA)**

### **Course Outline**

#### **WELCOME REMARKS (3-5 min each)**

Mr. Ian Johnson, Vice President, the World Bank

Mr. XIE Zhenhua, China Minister of Environment (tbc)

#### **COURSE INTRODUCTION [Laura Tlaiye, WBIEN] (5 min)**

## **PART ONE**

### **OVERVIEW AND INTERNATIONAL EXPERIENCES OF SEA**

#### **MODULE 1: BASICS OF SEA (ABOUT 3 HOURS)**

Coordinator: Jean Roger Mercier, WB and Maria Partidario, IAIA

- Session 1.1** What is SEA? Terminology [David Hanrahan, WB] (20 min)
- Session 1.2** Why we need SEA? Beginning with a case study [Maria Teresa Serra, WB, tbc] (20 min)
- Session 1.3** History, trend and drivers of SEA [Maria Partidario, IAIA] (30 min)
- Session 1.4** What are the characteristics of SEA? Comparison of SEA and EIA [Jean Roger Mercier, WB] (20 min)
- Session 1.5** SEA at the policy, plan and program levels [John Bailey and David Annandale, IAIA] (30 min)
- Session 1.6** Legal basis of SEA development
  - Session 1.6.1 Overview of Legal Requirements for SEA [Charles Di Leva, WB] (20 min)
  - Session 1.6.2 Legal Basis of SEA:A Country Case Study [Simon Marsden, IAIA] (20min)
- Session 1.7** Making SEA more relevant to poverty reduction policies, plans and programs [Jonathan Hobbs] (20 min)
- Session 1.8** Summing up [Maria Partidario, IAIA] (5-10 min)

## **MODULE 2: HOW TO DO SEA (2 ½ - 3 HOURS)**

Coordinator: Jian Xie, WB and Elvis Au, IAIA

- Session 2.1** Addressing the right issues: overview of policies, programs, and plans with significant environmental consequences [Dan Biller, WB] (20min)
- Session 2.2** Institutional aspects of SEA preparation and review [Elvis Au, IAIA] (30 min)
- Session 2.3** Integrating SEA into planning and decision making [Dan Biller, WB] (20 min)
- Session 2.4** Public participation and consultation : the experiences of Europe [Ralf Aschmann, IAIA] (20 min)
- Session 2.5** Procedures and commonly used methods for SEA: a few real applications in the world [IAIA]
- Session 2.5.1. Introduction of procedures and methods for SEA [Thomas Fischer, IAIA] (30 min)
- Session 2.5.2 Best practices of procedures and methods for SEA [Paul Tomlinson and Chris Fry, IAIA] (30 min)
- Session 2.6** Summing up [Elvis Au, IAIA] (5-10 min)

## **MODULE 3: INTERNATIONAL EXPERIENCES AND CASE STUDIES**

Coordinator: Dan Biller, WB and Elvis Au and Maria Partidario, IAIA]

- Session 3.1** Case studies at the policy level
- Session 3.1.2 Case studies of SEA at the policy level [John Bailey and David Annandale, IAIA] (20 min)
- Session 3.1.1 Overview of economic models for impact assessment of economic and environmental policies and an application to China [Jian Xie, WB] (20 min)
- Session 3.2** Case studies at the program and plan levels [WB staff; Jiri Dusik, IAIA]
- Session 3.3** Sector-specific SEA applications (transport, water and sanitation, energy, forestry, trade, ...) (20-30 min each)
- Session 3.3.1 Palar River Basin, India (Panneer Selvam)
- Session 3.3.2 Jordan Water Sector (Vahid Alavian)
- Session 3.3.3. Water and sanitation in Columbia [Juan Quintero, Ernesto Sanchez, WB]
- Section 3.3.4 A case study on sector-specific application of SEA [Paul Tomlinson and Chris Fry, IAIA]
- Session 3.4** Country and regional experiences
- Session 3.4.1 Port planning in South Africa [Michelle Audouin and Alex Weaver, IAIA]
- Session 3.4.2 A spatial plan in UK and a transport plan in Germany [Thomas Fischer, IAIA]
- Session 3.4.3 A spatial plan and a waste management plan in Netherlands [Rob Verheem, IAIA]
- Session 3.4.4 An economic development plan and a tourism development plan in CEE

- [Jiri Dusik, IAIA]
- Session 3.4.5 Asia [KC Lam tbc]
- Session 3.4.6 SEA at national and regional level: the case of Colombia [Juan Quintero, Ernesto Sanchez, WB]
- Session 3.5. Experiences of international development institutions (20-30 min each)**
- Session 3.5.1 Case experiences of international development institutions  
[John Bailey and David Annandale, IAIA]
- Session 3.5.2 World Bank [Stephen Lintner ENV, WB, tbc]
- Session 3.5.3 OECD [Jonathan Hobbs]
- Session 3.6. Experiences of the private sector [ERM, tbd] (20 min)**

## **PART TWO**

### **SEA APPLICATION IN CHINA**

#### **MODULE 4. BACKGROUND AND INTRODUCTION OF CHINA'S EA FOR PLANS**

- Session 4.1 Overview of EIA development in China: Its past, present and future [Xie Zhenhua, Minister of Environment, or Qu Geping, Former Chairman, Environment and Natural Resources Committee, the National People's Congress of China] (1 hr)
- Session 4.2 Requirements and implementation of SEA in China: Principle, challenge and courses  
[Zhu Xingxiang, Director general, Pollution Management Department, SEPA] (1 hr)

#### **MODULE 5. CHINA'S ENVIRONMENTAL ASSESSMENT LAW AND SEA**

- Session 5.1 Implementation of China's EIA law: Concept and strategy of programming, planning EIA  
[Sun Youhai, the National Congress of China] (1 hr)
- Session 5.2 Contents and procedures of implementing EA for development plans: Principles, measurement indicators, methodology, public participation and consultation, regulatory framework, administration and monitoring.  
[Li Hengyuan] (1.5 hrs)
- Session 5.3 Methods of EA for development plans  
[Li Xinmin, Chief, EA Division, SEPA] (1 hr)
- Session 5.4 Introduction of the guidelines for EA for development plans  
[Li Xinmin, SEPA] (2 hrs)

## **MODULE 6. SEA CASE STUDIES IN CHINA (INCLUDING HKSAR)**

- Session 6.1 SEA Case studies in Hong Kong [HKEPD/HK Chinese Univ tbd] (½ hr)  
Session 6.2 Case study: the West-East Power Transfer Plan [Chai Fahe] (1/2hr)  
Session 6.3 Case study: The development plan of Shanghai industrial park  
[Zhu Honggui] (½ hr)

### **REFERENCES AND USEFUL WEB LINKS**

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#### **Notes:**

**The names in parenthesis are potential speakers or responsible organizations for the specific topics. They serve as a starting point and subject to further recommendations and final decision.**

#### **The role of module coordinators**

- Finalize the outline of the assigned module
- Confirm with speakers
- Discuss with speakers on their presentation points
- Ensure the quality and consistency of each presentation by reviewing presentation slides and, if necessary, advise speakers to revise their presentations accordingly

#### **World Bank team:**

Jean Roger Mercier (ENV); Robert D. Crooks (EASES)  
Dan Biller, Jian Xie, Shufang Zhang (WBIEN)

**IAIA Team Leaders:** Elvis Au and Maria Partidario

**China team:** Xiao Xuezhi and Li Xinmin of SEPA

## **Preliminary Implementation Plan**

- Internal collaboration within the Bank: operational units (EASES, LCSES), anchor units (ENV, LEGEN), and WBIEN
- External partners: International Association of Impact Assessment, State EPA of China, HK Environmental Protection Department, HK Chinese University
- The duration of the distance learning course could be three days. The course could be extended with more case studies and hand-on exercises based on the request of local partners and participants
- Target audience are government officials and professionals dealing with SEA in China and other developing countries
- Courseware, including pre-taped video and textbook, will be produced in advance with the contribution of external and local partner institutes and updated over time
- The course will be transferred to local partners for their delivery and WBI will assist in training of trainers/facilitators
- The course could be delivered by local institutes in a way combining face-to-face lectures, distance learning (interactive video conferencing if possible, video watching, and web-based), group discussion, quizzes, and final test.

## **Time Table**

- Feb-March 2003 - complete international arrangement, identify key local partner institute, and draft the course outline for review.
- Mar-April 2003 - finalize course outline, identify international and local speakers, develop a work plan with SEPA, prepare TORs and contracts for consultants
- May-December 2003 - video tape all presentations, collect reading materials, prepare facilitators' guidebook, group discussion topics and quizzes
- Mid-June 2003- Present and discuss the course outline at IAIA 2003 in Marrakech (Morocco) and finalize work agreement with IAIA
- Sept-Dec 2003 - translate and publish textbook and VCD and organize pilot training workshops in China
- Jan-Mar 2004 – Finalize and publish materials, train trainers in China
- Mar 2004 onwards – Launch the DL course and conduct training workshops in China.