

**Central European University
and Regional Environmental Center
for Central and Eastern Europe**

Summer University 2002

Environment and Regional Transport Planning

Syllabi and schedule

Resource persons

1. Ed **Bellinger**, Department of Environmental Sciences and Policy, Central European University, School of Biological Sciences, University of Manchester, UK.
2. Aleg **Cherp**, **course director**, Department of Environmental Sciences and Policy, Central European University.
3. Jiri **Dusik**, **course director**, Regional Environmental Center for Central and Eastern Europe, manager of the Sofia Initiative for Environmental Impact Assessment.
4. Andreas **Kaefer**, Trafico, Austria
5. Norman **Lee**, Department of Economics, School of Planning and Landscape, Institute for Development Policy and Management, the EIA Centre, University of Manchester, UK.
6. Ruben **Mnatsakanian**, Department of Environmental Sciences and Policy, Central European University.
7. Urszula **Rzeszot**, Polish Environmental Institute
8. Paul **Tomlinson**, Transport Research Laboratory Ltd, UK

Schedule and syllabi of the summer course

DAY 1 (MONDAY, JULY 8). MORNING SESSION

Topic 1. Introduction. Introduction of participants and resource persons. Introduction of CEU and REC. Overview of the objectives and the programme of the Summer University

Topic 2. Environmental issues associated with transport activities and approaches to their management.

Form of teaching: Class lecture supported by case-study examples.

Lecture/group work ratio: 80/20

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Lead teacher: Norman Lee

Reading materials: Bannister, D. and Button, K. (Eds), 1993: **Transport, the Environment and Sustainable Development**, E & F N Spon, London.

DAY 1 (MONDAY, JULY 8). AFTERNOON SESSION

Topic 3. Transport planning. How transport activities are planned (from policies to specific projects, including typical stages of planning). Actors in the process of transport planning. Approaches at the national and the international levels.

Form of teaching: Class lecture, supported by participatory discussion drawing from different examples of transport planning activities.

Lecture/group work ratio: 80/20

Lead teacher: Andreas Kaefer

Reading materials: **Transport Infrastructure Needs Assessment (TINA).** Final Report. Executive Summary

DAY 2 (TUESDAY, JULY 9). PARTICIPANTS' PRESENTATIONS.

The participants will make presentations based on their assignments.

DAY 2 (TUESDAY, JULY 9). AFTERNOON SESSION

Topic 4. Approaches to Strategic Environmental Assessment.

Form of teaching: Lecture, followed by a group discussion.

Lecture/group work ratio: 60/40

Lead teacher: Jiri Dusik

Reading materials: European Commission, DG Environment. **SEA and Integration of the Environment Into Strategic Decision-Making.**

Topic 5. Integrating Environmental Considerations in Transport Planning. How environmental issues can be taken into account in designing and implementing transport plans at different level? The "EIA approach" of identifying impacts and designing mitigation measures. The "objective-led" appraisal of transport policies. Distinction and interaction between the "appraisal" and the "planning" process.

Form of teaching: A lecture contrasting different approaches, followed by group or plenary discussion. **Lecture/group work ratio:** 60/40

Lead teacher: Norman Lee

Reading materials: Same as in the previous session

DAY 3 (WEDNESDAY, JULY 10). MORNING SESSION

Topic 6. Defining environment-related objectives relevant to transport plans. How environmental objectives can be derived from strategic documents, survey of existing environmental conditions, threats, etc.

Form of teaching: lecture followed by a group exercise. **Lecture/group work ratio:** 40/60

Lead teacher: Jiri Dusik

Reading materials. London Charter on Transport, Environment and Health.

DAY 3 (WEDNESDAY, JULY 10). AFTERNOON SESSION

Teaching methods workshops (provided by SUN)

DAY 4 (THURSDAY, JULY 11). MORNING SESSION.

Topic 7. Defining and analysing alternatives for transport plans and policies. Multi-modal studies. How the same objectives can be achieved by different alternatives and how to compare objectives against alternatives. **Lecture/group work ratio:** 40/60

Form of teaching: lecture followed by exercises.

Lead teacher: Paul Tomlinson

Reading materials. Multi-Modal Study exercises (will be provided in Budapest).

DAY 4 (THURSDAY, JULY 11). AFTERNOON SESSION

Topic 8. Identifying and analysing environmental impacts of transport plans within the context of EIA and SEA (A).

Form of teaching: Lecture and discussion to highlight the similarities and differences in approaches to screening, scoping and impact prediction and evaluation within the context of EIA and SEA. **Lecture/group work ratio:** 60/40

Lead teacher: Paul Tomlinson.

Reading materials: Lee, N. and George, C. 2000. **Environmental Assessment in Developing and Transitional Countries.** Wiley. Chapters 3-8.

DAY 5 (FRIDAY, JULY 12). MORNING SESSION

Topic 8. Identifying and analysing environmental impacts of transport plans within the context of EIA and SEA (B).

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Form of teaching: Lecture followed by a group exercise (bypass simulation) and demonstration of an electronic scoping tool and air quality decision-making support tool.

Lead teacher: Paul Tomlinson. **Lecture/demonstration/group work ratio:** 20/60/20

Materials/handout: Haltwhistle bypass simulation exercise and/or M6 widening (to be provided in Budapest).

DAY 5 (FRIDAY, JULY 12). AFTERNOON SESSION

Topic 10. Decision-making and mitigation measures for transport activities and tiering. The session will focus on how SEA of regional transport plans can be tied to specific recommendations at the project-level EIA. Mitigation measures for transport projects will be explained.

Form of teaching: Lecture followed by a group exercise. **Lecture/group work ratio:** 50/50

Lead teacher: Paul Tomlinson

Reading materials: E. Furman and M.Hilden (eds) **Transport Planning: Influence of Strategic Environmental Assessment/Integrated Assessment on Decision Making**, Final Report of a Workshop, Ministry of the Environment, Helsinki.

DAY 6 (SATURDAY, JULY 13). FIELD TRIP

To a site affected by proposed M0 construction to the North-West of Budapest or along the Danube to discuss issues associated with the Danube transport corridor (to be confirmed).

DAY 7 (SUNDAY, JULY 14). SOCIAL ACTIVITY

A day-trip to Szentendre on a boat is organized for all SUN participants.

DAY 8 (MONDAY, JULY 15). MORNING AND AFTERNOON SESSIONS

Topic 11. Using GIS for SEA of transport activities. GIS can be used for a variety of tasks such as defining the alternatives, impacts identification, communication, identification of mitigation measures. We plan to design a semi-hypothetical case-study through which the use of GIS in transport planning will be demonstrated. **Lecture/group work ratio:** 30/70

Lead teacher: Ruben Mnatsakanian

Reading materials: Handouts on GIS (to be provided in Budapest)

DAY 9 (TUESDAY, JULY 16). MORNING SESSION

Topic 12. SEA process management

Form of teaching : Presentation followed by group discussion. The discussion may focus on writing a ToR and selecting a team of people out of available hypothetical candidates based on the needed expertise but also on the time and budget constraints. **Lecture/group work ratio:** 30/70

Lead teacher: Jiri Dusik

Reading materials: Terms of Reference (ToR) for an SEA (to be provided in Budapest).

DAY 9 (TUESDAY, JULY 16). AFTERNOON SESSION

Topic 12. Monitoring and follow-up.

Form of teaching : Lecture followed by group discussion. **Lecture/group work ratio:** 50/50

Lead teacher: Urszula Rzeszot

Reading materials: Lee, N. and George, C. 2000. **Environmental Assessment in Developing and Transitional Countries.** Wiley. Chapters 10-11.

DAY 10 (WEDNESDAY, JULY 17). MORNING SESSION

Topic 13. The strengths and weaknesses of the current practices of integrating environmental considerations in transport planning in the region.

Form of teaching. Presentation followed by a group discussion. **Lecture/group work ratio:** 50/50

Lead teacher: Jiri Dusik

Reading Materials: REC. 2001. **International Workshop on Public Participation and Health Aspects in SEA.** Szentendre.

REC. 2001. **Use of Strategic Environmental Assessment in CEE and NIS** [on-line]. URL:
<http://www.rec.org/REC/Programs/SofiaInitiatives/EIA/strategic.shtml>
[cited 2 April 2001].

DAY 10 (WEDNESDAY, JULY 17). AFTERNOON SESSION

Topic 14. Priorities, opportunities and challenges for capacity building in the region (through training and education, awareness-raising, research, etc.)

Form of teaching: Presentation followed by a group exercise. **Lecture/group work ratio:** 60/40

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Lead teacher: Aleg Cherp

Reading Materials: EIA Centre, Ecoline. 1999. **Establishing and Operating an EIA Centre.** Manchester-Moscow: University of Manchester and Ecoline

DAY 11 (THURSDAY, JULY 18)

Reserved for any unfinished business

DAY 12 (FRIDAY, JULY 19). MORNING SESSION.

Final conclusions and recommendations for follow-up activities.

Graduation and awarding of certificates.

DAY 12 (FRIDAY, JULY 19). AFTERNOON SESSION.

Free.