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## Program for the Workshop on Projects to Foster Chemistry for Sustainable Development

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**AMERICAN CHEMICAL SOCIETY  
(ACS) Washington**

**SLOVENIAN CHEMICAL SOCIETY  
(SKD) Ljubljana**

**INTERNATIONAL CENTRE FOR CHEMICAL STUDIES  
(ICCS) Ljubljana**

**WORKSHOP  
on  
PROJECTS TO FOSTER CHEMISTRY  
FOR SUSTAINABLE DEVELOPMENT  
in  
South-East European Region  
Kranjska gora,  
30 September–2 October 2001**

## **PROGRAM**

### **SUNDAY, 30 September—morning**

09.30–09.45      Registration of participants

#### **10.00–10.20      OPENING**

Eli M. Pearce, President-Elect, American Chemical Society (ACS)  
Venčeslav Kaučič, President, Slovenian Chemical Society  
John M. Malin, ACS International Activities  
Aleksandra Kornhauser, Director, ICCS

#### **PROMOTING SUSTAINABLE DEVELOPMENT**

Chair: Venčeslav Kaučič  
Rapporteur: Dennis Hjerensen

10.20–11.20

Eli M. Pearce  
**SUSTAINABILITY AND POLYMERS**

Gabor Naray-Szabo  
**PROJECTS TO FOSTER CHEMISTRY  
FOR SUSTAINABLE DEVELOPMENT IN HUNGARY**

Dennis L. Hjerensen  
**GREEN CHEMISTRY FOR GLOBAL ENVIRONMENTAL ISSUES**

11.20–11.50	COFFEE BREAK
11.50–12.30	Victor Failmezger CLEAN TECHNOLOGY EXCHANGE INITIATIVE SEES SUCCESS  Bojan Šoptrajanov CHEMISTRY AND THE ENVIRONMENT PROTECTION IN MACEDONIA
12.30–13.15	PANEL DISCUSSION Comments and proposals
13.15–14.30	LUNCH BREAK

**SUNDAY, 30 September—afternoon**

**ENVIRONMENTAL MANAGEMENT**

Chair: Jeffrey Osborne  
Rapporteur: Jiri Janata

14.30–15.50	Charles Z. Lochmuller COST-EFFECTIVE ENVIRONMENTAL ASSESSMENT  George Emil Baiulescu, Anca Iulia Stoica GENERAL ASPECTS CONCERNING THE POLLUTION IN ROMANIA  Vera Žutić ADVANCING INTERNATIONAL COLLABORATION FOR COORDINATED ADRIATIC RESEARCH  Nataša Markovska ASSESSMENT AND MITIGATION OF ENVIRONMENTAL IMPACTS OF INDUSTRIAL PROCESSES IN MACEDONIA
15.50–16.15	PANEL DISCUSSION Comments and proposals
16.15–16.45	COFFEE BREAK

**ENVIRONMENTAL METHODS AND TECHNIQUES**

Chair: Dragan Uskoković  
Rapporteur: Mira Josowicz

16.45–17.45	Mladen Franko LASER INDUCED DEGRADATION OF ORGANOPHOSPHATES AND MONITORING OF THEIR TOXICITY BY CHOLINESTERASE BIOSENSORS  Nada Miljević APPLICATION OF ENVIRONMENTAL ISOTOPES IN EVALUATION OF POLLUTANTS  Marjan Veber THE DETERMINATION OF VOLATILE ORGANIC COMPOUNDS IN THE ATMOSPHERE
17.45–18.15	PANEL DISCUSSION Comments and proposals

**MONDAY, 1 September—morning**

**WASTE PREVENTION AND MANAGEMENT  
Session I**

Chair: Aleksandra Kornhauser

Rapporteur: Victor Failmezger

09.00–10.20

Mira Josowicz

DECREASING ENVIRONMENTAL BURDEN  
BY CONDITIONAL MAINTENANCE

Janez Levec

THERMAL LIQUID-PHASE PROCESSES  
FOR EFFECTIVE REMOVAL OF TOXIC POLLUTANTS  
FROM INDUSTRIAL WASTEWATERS

Viktor Grilc

CHARACTERISATION AND ASSESSMENT  
OF HAZARDOUS WASTE

10.20–10.50

PANEL DISCUSSION

Comments and proposals

10.50–11.20

BREAK

**WASTE PREVENTION AND MANAGEMENT  
Session II**

Chair: Viktor Grilc

Rapporteur: Charles Z. Lochmüller

11.20–12.20

Velida Vatrenejak-Velagić

UNIVERSITY SUPPORT FOR ESTABLISHING A STRATEGY  
FOR INDUSTRIAL AND SPECIAL WASTE MANAGEMENT  
IN SARAJEVO CANTON

Milena Horvat

REMEDIATION OF MERCURY POLLUTED SITES  
DUE TO MINING ACTIVITIES

Radmila Milačić, Janez Ščančar

SAFE DISPOSAL OF CHROMIUM-RICH WASTE MATERIALS

12.20–12.50

PANEL DISCUSSION

Comments and proposals

12.50–14.00

LUNCH BREAK

**MONDAY, 1 October—afternoon**

14.00–

EXCURSION

**TUESDAY, 2 October—morning**

**CLEAN WATER  
Session I**

Chair: Janez Levec

Rapporteur: John M. Malin

09.00–10.00	Jiri Janata LOCATION OF POLLUTION SOURCES IN TURBULENT WATERS  Kurnik Jelka TEXTILE WASTEWATER TREATMENT TECHNOLOGIES: WET OXIDATION vs. OZONATION  Anca Iulia Stoica, George Emil Baiulescu CONSIDERATION OF POLLUTION OF ARGES RIVER
10.00–10.30	PANEL DISCUSSION Comments and proposals
10.30–11.00	COFFEE BREAK
	<b>CLEAN WATER Session II</b>  Chair: Boh Bojana Rapporteur: Jiri Janata
11.00–12.20	Miran Veselič PROTECTION OF GROUNDWATER IN CLASSICAL KARST SYSTEMS  Ana Mišurović MANAGEMENT OF DRINKING SURFACE AND UNDERGROUND WATER POLLUTED BY WASTE FROM ALUMINIUM INDUSTRY  Pranvera Lazo PHYTOREMEDIATION OF Ni, Cr, Hg in SOME CONTAMINATED AREAS IN ALBANIA  Katarina S. Wissiak Grm, Margareta Vrtačnik, Boris Šket BIODEGRADATION AND PHOTOOXIDATION STUDIES OF MODEL ORGANIC POLLUTANTS
12.20–13.00	PANEL DISCUSSION Comments and proposals
13.00–14.00	LUNCH BREAK
	<b>ENVIRONMENTALLY BENIGN MATERIALS</b>  Chair: Victor Failmezger Rapporteur: Miran Veselič
14.00–15.00	Dragan Uskoković SYNTHESIS OF ADVANCED ENVIRONMENTALLY BENIGN MATERIALS BY POWDER PROCESSING  Bojana Boh REDUCING THE TOXICITY OF PESTICIDES  Kržan Andrej STATUS AND PERSPECTIVES OF ENVIRONMENTALLY DEGRADABLE POLYMERS
15.00–15.30	PANEL DISCUSSION Comments and proposals
15.30–16.00	COFFEE BREAK

## **SUMMARY: OPPORTUNITIES AND FUTURE ACTIONS**

Chair: Eli M. Pearce

16.00–17.30	John M. Malin—Dennis L. Hjerensen ACS INTERNATIONAL PROGRAMMES FOR SUSTAINABLE DEVELOPMENT  Aleksandra Kornhauser CHEMISTRY FOR SUSTAINABLE DEVELOPMENT: OPPORTUNITIES IN COUNTRIES IN TRANSITION
17.30–18.00	Break
18.00–19.00	PLENARY DISCUSSION with the Slovenian Minister of the Environment Dr. Janez Kopač
19.00	CLOSURE Eli M. Pearce Slavko Kaučič