

## **DIOXIN - 1980 - A Beginning**

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On October 22, 1980, approximately 100 scientists assembled at the Instituto Superiore di Sanita in Rome to discuss a topic entitled "Chlorinated Dioxins and Related Compounds". This was an area of research interest to a broad range of scientists due to a number of industrial accidents involving these compounds, rice oil contamination in Japan and Taiwan, Agent Orange, and 2,4,5-T incidents and, of course, Seveso. Not surprisingly, many of the reports at this conference were focused on the contamination and health effects at Seveso where high levels of TCDD were emitted from the Icmesa factory and areas around Seveso were evacuated. Scientists from several countries presented fifty-two papers in the areas of (a) analytical methods, (b) environmental fate and levels, (c) the incineration story, (d) biochemical toxicology and metabolism, (e) animal toxicology, and (f) observations in man. The issues of dioxins and related compounds addressed at the meeting in 1980 are remarkably similar to the topics that have been discussed at subsequent Dioxin meetings. Some of the first studies on incinerator emissions of dioxins and related compounds were reported by Otto Hutzinger and his coworkers at the University of Amsterdam. High resolution analysis of TCDD and related compounds was also described by the so-called wizards of Dow (Lamparski and Nestruck), Chris Rappe and Rudy Buser. Warren Crummett also discussed the trace chemistries of fire hypothesis where the relative contribution of natural and anthropogenic environmental inputs of TCDD and related compounds were discussed and argued. My laboratory (Safe) presented our initial summaries on the identification of mono-ortho and di-ortho PCBs as dioxin-like compounds, and this initiated subsequent research on developing TEFs for specific PCB congeners. Although many of the individuals who attended and presented their findings at Dioxin 80 are not involved in research, several others are still very active, and these include Lorenz Poellinger, Rudy Buser, Jake Ryan, Linda Birnbaum, Jan-Ake Gustafsson, Steve Safe, Larry Robertson, Stelvio Bandiera, Heinz Nau, Andrew Parkinson, and others.

One of the important features of Dioxin 80 was the location. Rome was beautiful and the annual dinner was held near the Pope's summer residence (Castel Grandolfo) in the hills surrounding Rome.

Scientific contributions to the meeting in Rome were published in the Pergamon Series on Environmental Science (O. Hutzinger and S. Safe, eds.) and the editors of the Proceedings (Vol. 5) were Otto Hutzinger, R.W. Frei, E. Merian and

F. Pocchiari. The success of this meeting and subsequent conferences has always depended on the local organizers in the host city and also the gentle but firm guidance of Otto Hutzinger and his successors Heidi Fiedler and Mike Denison.

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## ANNOUNCEMENT

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### IMPACT OF CHLORINATED DIOXINS AND RELATED COMPOUNDS ON THE ENVIRONMENT

*(October 22–24, 1980, Rome Italy)*

The International Association of Environmental Analytical Chemistry organizes annual symposia on "Advances in Environmental Analytical Chemistry" at different locations in Europe and North America. The 9th symposium in 1979 was held in Georgia, U.S.A. and the 10th symposium will take place in Dortmund, Germany, in May 1980. The association together with the International Society of Toxicological and Environmental Chemists, is now organising a workshop on chlorinated dioxins and related compounds.

This meeting will be problem-oriented and will include all aspects of analytical chemistry, environmental chemistry, human toxicology as well as case studies such as the story of chlorodibenzo dioxins and related compounds in effluents from incineration processes. Key areas will be treated by over 30 invited speakers. Emphasis will be placed on discussion and exchange of information possibly supported by a poster session.

Attendance to this workshop is limited. A balance between representatives from Universities, Government and Industry is sought; emphasis will be on maximum interaction between participants. The proceedings of this workshop will be published.

The preliminary programme and a registration form can be obtained from:

Prof. Dr. O. Hutzinger,  
University of Amsterdam,  
Nieuwe Achtergracht 166,  
Amsterdam,  
The Netherlands.



This workshop is organized jointly by the International Association of Environmental Analytical Chemistry and by the International Society of Toxicological and Environmental Chemists

## WORKSHOP

### Impact of Chlorinated Dioxins and Related Compounds on the Environment

October 22-24, 1980  
Istituto Superiore di Sanità, Roma (Italy)

Preliminary Programme



## WORKSHOP

### Impact of Chlorinated Dioxins and Related Compounds on the Environment

October 22-24, 1980  
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Abstracts

Title pages of the Preliminary Programme and the Abstract book



# International Association of Environmental Analytical Chemistry

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## WORKSHOP ON TCDD AND RELATED COMPOUNDS

DATE: October 22-24, 1980

PLACE: ROME, ITALY

HOST: ISTITUTO SUPERIORE DI SANITA

OFFICIAL LANGUAGE: ENGLISH

ORGANIZING COMMITTEE: Prof. Dr. R.W. Frei, Free University of Amsterdam  
Prof. Dr. O. Hutzinger, University of Amsterdam  
Dr. E. Merian, Swiss Assoc. Environ Research  
Prof. Dr. F. Pocchiari, Institute of Public Health, Rome.

ORGANIZING ASSOCIATION: The International Association of Environmental  
Analytical Chemistry.

Letter of the Organizing Committee

### **Organization and Information:**

- Chairman: Prof. Dr. O. Hutzinger
- Co-chairman: Prof. Dr. Fr. Pocchiari
- Secretary: Dr. E. Merian
- Co-Secretaries: Dr. A. Donzel  
Dr. E. Elliott

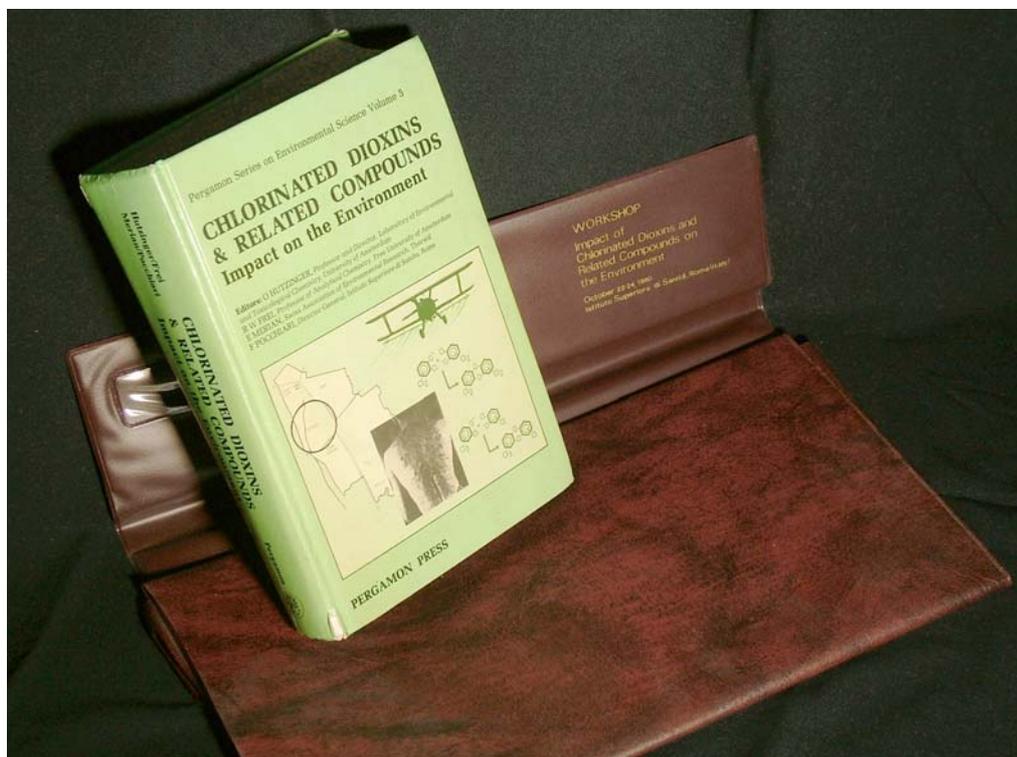
### **The Executive Committee and Organizers:**

- Alain Donzel, SCITEC, Le-Mont-sur-Lausanne, Switzerland
- Emilia Elliott, Istituto Superiore di Sanità, Roma, Italy
- Roland W. Frei, Free University of Amsterdam, The Netherlands
- Ernest Merian, Swiss Society for Environmental Protection and Swiss Association for Environmental Research, Therwil, Switzerland
- Francesco Pocchiari, Istituto Superiore di Sanità, Roma, Italy
- Vittorio Silano, Istituto Superiore di Sanità, Roma, Italy

The scientific meeting was for three days (22-24 October, 1980) and the registration fee was SFr. 440 (Lire 220,000 for Italian attendees)



Dioxin 80, Impact of Chlorinated Dioxins and Related Compounds on the Environment



Workshop Folio and Proceedings Book