

Division VI – Chemistry & the Environment



Objectives, Activities and Future Plans

1. TERMS OF REFERENCE

Through its internationally recognized membership and project teams, the **Division of Chemistry and the Environment (DCE)** will provide unbiased and timely authoritative reviews on the behavior of chemical compounds in food and the environment. The DCE will undertake both fundamental and applied evaluations that contribute to solving environmental problems and enhancing the quality of food on a global scale (revised May-2004).

2. ORGANIZATION

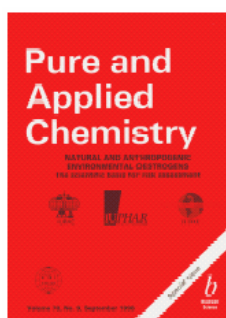
The Division is led by an internationally-diverse leadership committee representing a variety of disciplines and sectors. In addition, the Division is assisted by four subcommittees focused on a particular area of specialization:

- ❑ Food Chemistry
- ❑ Biophysico-Chemical Processes in Environ. Systems
- ❑ Chemistry of Environmental Compartments (soil, water, air)
- ❑ Crop Protection Chemistry

3. ACTIVITIES

The Division sponsors three primary types of projects.

First, state-of-the-art **authoritative reviews** of a particular area of environmental chemistry are developed and published in book form.



Second, **technical evaluations** focus on critical assessment and development of specific recommendations for an area of environmental chemistry so as to assist and influence research and public policy. Primary areas of emphasis include definitions, methodologies, and regulations.



Third, **outreach** activities help move IUPAC project outcomes into the broader scientific and regulatory arena, with a strong emphasis on technology transfer to developing countries. These include regional workshops and international conferences or symposia.

4. ONGOING PROJECTS

The Division has 22 active projects as of August 2005. Each project is completed by a team of 6-15 international experts working over a 2-4 year period. The following examples of ongoing projects highlight the diversity Divisional interests:



- ❑ Remediation technologies for the removal of arsenic from water and wastewater
- ❑ Environmental colloids: behavior, structure and characterization
- ❑ Air pollution models in environmental management and assessment
- ❑ A critical compendium of pesticide physical chemistry data
- ❑ Impact of transgenic crops on the use of agrochemicals and the environment
- ❑ Terminology and measurement techniques of starch components

The Division is keenly interested in receiving ideas and proposals for new project initiatives.

5. FUTURE INTERNATIONAL CONFERENCES

The following conferences are being sponsored by the Division as part of its outreach activities:

- ❑ 11th IUPAC International Congress of Pesticide Chemistry, 6-11 August 2006, Kobe, Japan
<http://www.iupac2006.jtbcom.co.jp>
- ❑ XIIth IUPAC International Symposium on Mycotoxins and Phycotoxins, 21-26 May 2007, Istanbul, Turkey

6. FURTHER INFORMATION

President
Dr. Ken Racke



Secretary
Dr. Pat Holland



+1 317 337 4654
KRacke@dow.com

+64 3 548 2319
patrick.holland@cawthron.org.nz

Web Site
<http://www.iupac.org/divisions/VI/>