



# International Organization for Chemical Sciences in Development

## **Media Summary: Chemistry and Resilience**

A new publication of the Chemists for Sustainability (C4S) group of the International Organization for Chemical Sciences in Development (IOCD)  
in *Royal Society Open Science*  
20 April 2020

## **A shared future: Chemistry's engagement is essential for resilience of people and planet.**

**Summary:** Strengthening resilience of people, institutions and systems is vital in the face of vulnerabilities to global challenges, including climate change and pandemic outbreaks. We explore chemistry's roles in resilience for the first time. As the science of transformation of matter, chemistry is deeply involved in material aspects of resilience concerned with food, health, economic and environmental security and their interfacing with personal, community and political security. Intensifying chemistry's contributions requires three areas of action: (1) taking an integrative approach to developing 'chemistry and resilience'; (2) rethinking how the chemical industry operates; and (3) greater engagement between chemists, society and policy-makers.

**Reference:** G. Mehta, S. E. Cornell, A. Krief, H. Hopf, S. A. Matlin. *Royal Society Open Science* 2022, 9, 212004. <https://doi.org/10.1098/rsos.212004>

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See also, associated blog on the *Royal Society Open Science* website:

G. Mehta, S. E. Cornell, A. Krief, H. Hopf, S. A. Matlin. [Why resilience is vital for the sustainability of people and planet – and what chemistry can do](#). *Royal Society Open Science* published online 20 April 2022.

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### **About Chemists for Sustainability (C4S)**

C4S is an action group of IOCD, involving an international group of chemists who believe that chemistry and related sciences have indispensable roles to play in helping the world to achieve sustainable development. There are currently four core members in the group, with others co-opted as required to bring additional perspectives to the work. The core group comprises Henning Hopf, Alain Krief, Stephen Matlin and Goverdhan Mehta. The group serves advocacy and think-tank roles through written articles, lectures at various fora and web materials. An overview of **C4S** products can be found at <http://www.iocd.org/WhatWeDo/Current/sustainability.shtml>

### **About IOCD**

IOCD was founded in a meeting hosted at UNESCO, Paris in July 1981 and subsequently registered in Belgium as a not-for-profit non-governmental organization. It is affiliated with UNESCO, UN-ECOSOC and IUPAC. The mission of IOCD is to promote the pursuit and application of the chemical sciences for sustainable, equitable human development and economic growth, through repositioning chemistry as a science for the benefit of society. Further information about IOCD can be found at [www.iocd.org](http://www.iocd.org).

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