



SYMPOSIUM 8.5

CHEMISTRY ADDRESSING THE UN-17 SUSTAINABLE DEVELOPMENT GOALS

“UN-17 SDGs in view of EuChemS Green and Sustainable Chemistry Division”

Ana Aguiar-Ricardo

*Chair of EuChemS Division on Green and Sustainable Chemistry
Department of Chemistry, NOVA School of Science and Technology, Campus de Caparica,
2829-516 Caparica, Portugal*

17 Sustainable Development Goals (SDGs)

Providing specific targets and timetables for enhancing inclusive well-being.



Technological innovation is at the heart of sustainable development

Sustainable chemistry: is it a reality?

Chemistry: “industry of the industries”

- Driven by its ability to innovate, it has been involved for a long time in sustainability, for example by decreasing to half its greenhouse gas emissions.
- It is the keystone to answer to the major stakes the planet is facing: water, natural resources, climate, pollution and waste.
- The sustainability of chemistry is tangible at two levels:
 - the reduction of the environmental footprint of its own activity and
 - the ability to offer solutions able to meet the challenges of society.
- Sustainable chemistry is thus a reality which improves our everyday life.

*“temperature of the Arctic regions
would rise about 8° to 9 °C if
carbonic acid would increase to 2.5
or 3 times its present value”*

*S. Arrhenius, Philos. Mag. Sci. 5 (41) (1896)
237–276*

One World - Nations Online
∴ let's care for this planet

*“Every nation is responsible
for the current state of our
world.”*

With the courtesy of Nations Online Project
https://www.nationsonline.org/oneworld/europe_map.htm





EuChemS

European Chemical Society

— Division of Green and Sustainable —
Chemistry



The Division of Green and Sustainable Chemistry is a network of members of EuChemS societies working in all fields of chemistry related to “The invention, design and application of chemical products and processes to reduce or to eliminate the use and generation of hazardous substances”.

Commitment: **“to meet the needs of the present without compromising the ability of future generations to meet their own needs” now “inclusive well-being: for all people, everywhere now and in the future”**