

Eawag Seminar Invitation

Atoms for Peace and Development - the Division of Physical and Chemical Sciences (NAPC) at the IAEA

Speaker **Prof. Dr. Melissa A. Denecke** (director NAPC), *International Atomic Energy Agency (IAEA), Vienna, Austria*

When **June 3, 16.00 – 17.00**

Where **Online via Zoom, contact seminars@eawag.ch for access details.**

Abstract The International Atomic Energy Agency (IAEA), located in Vienna Austria, has as its mission motto, “atoms for peace and development.” The Agency’s development activity is focused on helping to achieve the UN’s sustainable development goals (SDGs), such as zero hunger, clean water and sanitation for everyone, and improving human health, through applications of nuclear technologies. Atoms for peace reflects activities the IAEA is likely most known for, its nuclear safeguard mandate. However, the Agency’s coordinating research and development activities involving people from all over the world, to work together on global challenges, also makes decided contributions to peace. The IAEA’s contribution to SDGs is delivered through its Science & Technology pillar, defined by two of its technical departments, the Department of Nuclear Sciences and Applications (NA) and the Department of Nuclear Energy (NE). NA has four divisions targeting human health, the environment, food and agriculture, and physical and chemical sciences. It also operates and maintains 12 laboratories in Vienna, Seibersdorf and Monaco. The range of topics addressed using nuclear techniques in NA is vast, including sterile insect technique, foodstuff authentication, nutrition, micro/nano-dosimetry, ocean acidification and groundwater assessment, to name a few.

The NAPC (Physical and Chemical Sciences) Division supports the IAEA’s 172 Member States in building capacities and optimising benefits for safe and economical applications of existing nuclear technologies as well as in developing new, innovative nuclear technologies for the future. Its four sections are responsible for the Agency’s Water Resource, Radioisotope Products and Radiation Technologies, and Nuclear Sciences programmes.

The talk will briefly outline activities in the NA Department’s divisions and, in particular, discuss and summarize the NAPC Division’s ongoing programme activity to collaboratively assist Member States in applying modern, civil nuclear methods to achieve their development goals and to join together in concerted efforts to help solve global challenges.