



## Webinar on Tritium in the Environment

Open event (IAEA EVT2503534)

11–12 February 2026

### Programme

| Session 1 – Wednesday, 11 February 2026 |                                                                                                                |                                                                                                                                                                        |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Time (CET)                              | Activity                                                                                                       | Presenter                                                                                                                                                              |
| 13:00 – 13:10                           | Opening, welcome and introduction                                                                              | IAEA                                                                                                                                                                   |
| 13:10 – 13:30                           | Activities of the IAEA Terrestrial Environmental Radiochemistry Laboratory                                     | Mr Jonathan BURNETT<br>Terrestrial Environmental Radiochemistry Laboratory, IAEA                                                                                       |
| 13:30 – 13:45                           | Physical Properties and Sources of Environmental Tritium                                                       | Mr Alexander ULANOWSKI<br>Terrestrial Environmental Radiochemistry Laboratory, IAEA                                                                                    |
| 13:45 – 14:00                           | Forms of Environmental Tritium                                                                                 | Ms Frédérique EYROLLE<br>L'Autorité de sûreté nucléaire et de radioprotection (ASNR), France                                                                           |
| 14:00 – 14:10                           | Break                                                                                                          |                                                                                                                                                                        |
| 14:10 – 14:25                           | Present-day Distribution of Tritium in Unaltered Precipitation (or What We Believe It Is) – IAEA GNIP Database | Mr Stefan TERZER-WASSMUTH<br>Isotope Hydrology Laboratory, IAEA                                                                                                        |
| 14:25 – 14:40                           | Tritium Contents in Precipitations and Freshwaters—Influence of Environmental Factors                          | Ms Frédérique EYROLLE<br>L'Autorité de sûreté nucléaire et de radioprotection (ASNR), France                                                                           |
| 14:40 – 14:55                           | Tritium in the Marine Environment                                                                              | Mr Ian CROUDACE<br>National Oceanography Centre, University of Southampton, UK<br>Mr Alexander ULANOWSKI*<br>Terrestrial Environmental Radiochemistry Laboratory, IAEA |
| 14:55 – 15:00                           | Closing remarks                                                                                                | IAEA                                                                                                                                                                   |
| * Presenter                             |                                                                                                                |                                                                                                                                                                        |

| Session 2 – Thursday, 12 February 2026 |                                                                                    |                                                                                                                                                                             |
|----------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TIME (CET)                             | Activity                                                                           | Presenter                                                                                                                                                                   |
| 13:00 – 13:05                          | Opening                                                                            | IAEA                                                                                                                                                                        |
| 13:05 – 13:20                          | Tritium in the Terrestrial Environments (Soil and Vegetations)                     | Mr Nicolas BAGLAN*<br>Commissariat à l'énergie atomique et aux énergies alternatives (CEA), France<br>Mr Sang-Bog KIM<br>Canadian Nuclear Laboratories, Canada              |
| 13:20 – 13:35                          | Tritium from Nuclear Explosions                                                    | Mr Artem BIBLIN*<br>Institute of Radiation Hygiene, Russia<br>Mr Sergey LUKASHENKO*<br>Kurchatov Institute Research Center – Institute of Radiology and Agroecology, Russia |
| 13:35 – 13:50                          | Data and Models for Dosimetry of Tritium                                           | Mr Mikhail BALONOV<br>UNSCEAR consultant, Israel                                                                                                                            |
| 13:50 – 14:00                          | Break                                                                              |                                                                                                                                                                             |
| 14:00 – 14:15                          | Measurements of tritium I: Counting and Conventional Methods                       | Mr Manfred GROENING*<br>IAEA (retired)<br>Mr Phillip WARWICK<br>National Oceanography Centre, University of Southampton, United Kingdom                                     |
| 14:15 – 14:30                          | Measurements of tritium II: Mass Spectrometry and <sup>3</sup> He-based Techniques | Mr Jürgen SÜLTENFUß<br>Institute of Environmental Physics, University of Bremen, Germany                                                                                    |
| 14:30 – 14:55                          | Q&A and discussion                                                                 | All                                                                                                                                                                         |
| 14:55 – 15:00                          | Closing remarks                                                                    | IAEA                                                                                                                                                                        |
| * Presenter                            |                                                                                    |                                                                                                                                                                             |