

“Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs”.¹

‘The United Nations World Commission on Environment and Development

The concept of sustainable development embraces all environmentally sensitive areas of human activity, including different types of energy production. Sustainable development in nuclear energy focuses on solving key institutional and technological issues including nuclear accident risks, health and environment risks, proliferation risks, economic competitiveness, radioactive waste disposal, sufficiency of institutions and public acceptability. Sustainable development implies demonstration of progress in these key issue areas. The IAEA created the INPRO methodology using broad philosophical outlines of the concept of sustainable development as the tool for assessing the sustainability and sustainable development of a nuclear energy system.

Publications



INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Economics

IAEA Nuclear Energy Series No. NG-T-4.4

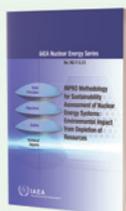
(90 pp.; 2014) • ISBN 978-92-0-102714-6 • STI/PUB/1653 • €40.00



INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Infrastructure

IAEA Nuclear Energy Series No. NG-T-3.12

(68 pp.; 2014) • ISBN 978-92-0-106214-7 • STI/PUB/1668 • €33.00



INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Environmental Impact from Depletion of Resources

IAEA Nuclear Energy Series No. NG-T-3.13

(62 pp., 25 figs; 2015) • ISBN 978-92-0-103415-1 • STI/PUB/1700 • €33.00



INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Environmental Impact of Stressors

IAEA Nuclear Energy Series No. NG-T-3.15

(94 pp., 5 figs; 2016) • ISBN 978-92-0-101616-4 • STI/PUB/1733 • €38.00



INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Waste Management

IAEA-TECDOC-1901

(74 pp., 10 figs; 2020) • ISBN 978-92-0-102520-3 • IAEA-TECDOC-1901 • €18.00



INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Safety of Nuclear Reactors

IAEA-TECDOC-1902

(110 pp., 5 figs; 2020) • ISBN 978-92-0-102720-7 • IAEA-TECDOC-1902 • €18.00



INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Safety of Nuclear Fuel Cycle Facilities

IAEA-TECDOC-1903

(168 pp., 8 figs; 2020) • ISBN 978-92-0-102920-1 • IAEA-TECDOC-1903 • €18.00

News



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Analysis Support for Enhanced Nuclear Energy Sustainability

<https://elearning.iaea.org>



INPRO Collaboration Platform

<https://nucleus.iaea.org/sites/INPRO>

The IAEA INPRO Collaboration Platform is a collaboration website for experts and organizations involved in INPRO activities, making available information sources that complement IAEA training events, workshops and meetings.