



American Model United Nations
International Atomic Energy Agency

IAEA/II/3

SUBJECT OF RESOLUTION: Strengthening the Agency's activities related to nuclear science, technology and applications

SUBMITTED TO: The International Atomic Energy Agency

The International Atomic Energy Agency,

1 *Cognizant* of the current state of nuclear energy, producing only 9 percent of the world's elec-
2 tricity, the wide majority coming from only five developed Member States,

3 *Noting with concern* the danger of continuing down the path of current energy production tech-
4 niques, with 80 percent of the world's energy production coming from fossil fuels and natural gas,

5 *Highlighting* the exceptionally safe, reliable, and clean nature of nuclear technology,

6 *Recalling* the Sustainable Development Goals (SDGs) adopted by the United Nations in the 2030
7 Agenda, specifically SDGs 1: No Poverty, 2: Zero Hunger, 3: Good Health, 6: Clean Water and Sanitation, 7:
8 Affordable and Clean Energy, 8: Decent Work and Economic, 9: Industry, Innovation, and Infrastructure,
9 13: Climate Action, 17: Partnerships for the Goals,

10 *Reaffirming* the world of the Site and External Events Design Review Service (SEED) which sup-
11 plies Member States with peer review services, engineering consultation throughout the lifespan of
12 nuclear projects,

13 *Informed by* the effectiveness of Nuclear Technology for Controlling Plastic Pollution (NUTEC
14 Plastics) in combating the effects of pollution globally,

15 *Acknowledging* the mission of the International Atomic Energy Agency's (IAEA) Rays of Hope
16 Initiative that leverages nuclear science and technology to combat cancer,

17 *Observing* the successes of regional disease prevention programs like Zoonotic Disease Inte-
18 grated Action (ZODIAC),

19 *Recognizing* the role of education and training programs in enabling Member States, espe-
20 cially developing Member States, to adopt nuclear technologies in support of Sustainable Development
21 Goals,

22 1. *Recommends* all Member States adopt policies to adopt a policy aiming towards an eventual
23 phase out of fossil fuels and their replacement with nuclear energy as a baseline source of power in
24 coordination with renewable energy sources;

25 2. *Invites* all Member States to accelerate their fulfillment of the SDGs, enabled by a greater
26 implementation of nuclear technologies;

27 3. *Urges* the expansion of IAEA-led education and technical training programs to ensure that all
28 Member States, with emphasis on Global South Member States have access to the skills and expertise
29 needed for safe nuclear development and applications by:

30 (a) Increasing awareness around the International Nuclear Science Olympiad, a com-
31 petition that promotes peaceful use of nuclear science and technology among secondary school stu-
32 dents through theoretical exams and practical experiments;

33 (b) Leading outreach programs and workshops that prepare eligible students in mem-
34 bers states to become competitive candidates for the IAEA and WHO internship and gain an interdis-
35 ciplinary understanding of the intersection between nuclear science and medicine;

- 36 4. *Encourages* the continued funding by the IAEA and Member States for technical cooperation
37 projects and the Rays of Hope Initiative to:
- 38 (a) Make affordable cancer diagnosis and treatment technologies;
- 39 (b) Adopt effective radiation monitoring programs developed through collaboration of
40 expertise and knowledge between Member States;
- 41 (c) Support chemostatic therapy to develop treatments for cancer and substances to
42 stop bleeding, known as hemostatic agents;
- 43 (d) Assist with clinical trainings in radiotherapy by establishing a guidance framework;
- 44 (e) Ensure equitable development by regional institutions like 18 anchor centers that
45 serve as hubs for cancer care expertise, training, and research;
- 46 5. *Endorsing* the continued and further use of IAEA programs like Site and External Events Design
47 Review Service (SEED) to improve the safety and ease the construction of nuclear facilities;
- 48 6. *Appeals* to the expansion and implementation of NUTEC Plastics globally as a model for
49 Member States to fight against pollution in our rivers, lakes, and oceans, as well as on land;
- 50 7. *Calls upon* international implementation of regional disease prevention agencies such as:
- 51 (a) ZODIAC in coordination with other United Nations agencies such as the Food and
52 Agriculture Organization of the United Nations (FAO), the World Health Organization (WHO), World Or-
53 ganisation for Animal Health (OIE) under the One Health approach;
- 54 (b) The Peaceful Use Initiative to supplement the Technical Cooperation Fund and aim
55 for the attainment of Sustainable Development Goals on a more global scale;
- 56 8. *Calls for* greater investments in, research on and implementation of peaceful nuclear tech-
57 nologies, such as soil and water management, using isotopic techniques and safe induced mutation to
58 advance climate-smart and sustainable agriculture, enhance crop yields and resilience and support
59 decontamination of food production further by:
- 60 (a) Cooperating with relevant agencies with expertise in nuclear science and agricul-
61 tural innovation to share best practices particularly in support of Global South and developing Member
62 States.

Passed, Yes: 51 / No: 1 / Abstain: 4