NUCLEAR SOCIETIES

Catalysts for an Inclusive and Resilient Energy Future

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WiN Global
Women in Nuclear

A pivotal moment for nuclear energy

A sector returning to the centre of the energy conversation

Climate targets, energy security concerns, and rising electricity demand

↓

Driving new construction

↓

A new generation of countries is joining the nuclear community for the first time.

Expertise, trust and community engagement have to be built from scratch, alongside the concrete.

441
operable reactors in 31 countries

75
reactors under construction worldwide

>20%
share of the world's low-carbon electricity from nuclear

9%
of global electricity generation today

Source: World Nuclear Association, 2026

Two forces, one conversation

Resilience and inclusion are not competing agendas

RESILIENCE

Energy security through diversification

- New entrants are reshaping the map: 31 countries operate reactors today, with more joining every decade.
- 75 reactors under construction mean the workforce and safety-culture pipeline must scale just as fast as the concrete.
- Shared standards and cross-border networks reduce single points of failure, a resilience principle as much as an engineering one.

INCLUSION

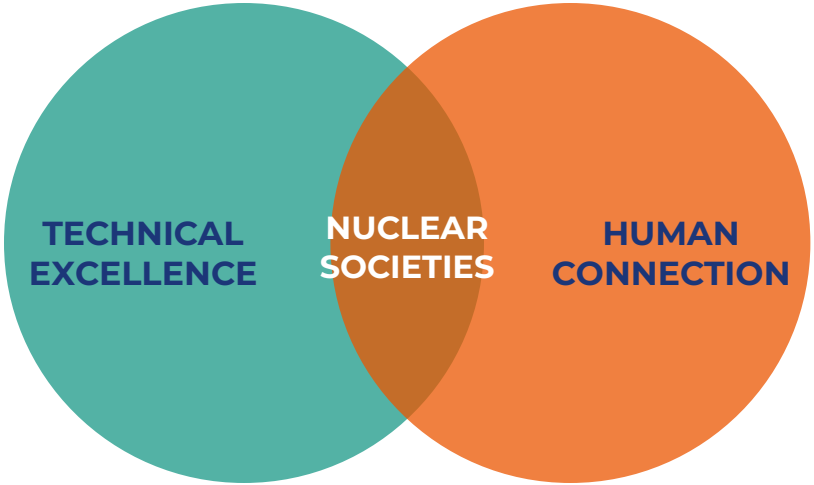
Trust and talent through representation

- 730 million people worldwide still have no access to electricity. The case for nuclear has to speak to them, too.
- Women hold 24.9% of nuclear-sector jobs, but only 18.3% of senior leadership roles.
- A sector this technical can only grow as fast as the diversity of people willing to join and stay in it.

Sources: World Nuclear Association, 2026 · IEA, 2025 · OECD-NEA, 2025

Where nuclear societies come in

Fluent in the engineering, built for the human side



Professional associations, young generation networks, women-in-nuclear groups, and national and international societies all operate at exactly this intersection.

Four ways societies catalyze change

A roadmap for the rest of this talk



CONNECT

Bridging borders and generations



BUILD CAPACITY

Growing the next generation



AMPLIFY VOICES

Turning visibility into influence



EARN TRUST

Getting the “social clearance” to operate

CATALYST 1

Connect: bridging borders and generations

- Regional and international cooperation networks move expertise across borders. The same spirit behind programmes like ARCAL and the IAEA's technical cooperation networks.
- Solidarity between established and emerging nuclear programmes shortens the learning curve for newcomer countries.
- Distributed networks of peers, rather than dependence on any single institution, reduce single points of failure. This is a resilience principle borrowed straight from engineering.

CATALYST 2

Build capacity: growing the next generation

- Mentorship, training institutes and university partnerships build the technical pipeline that a growing fleet of 75 reactors under construction will need to operate safely for decades.
- Young Generation Networks give early-career professionals a professional home and a voice from day one, instead of years into a career.
- New entrant countries need trained regulators, operators and communicators just as much as they need the reactor itself.

CATALYST 3

Amplify voices: turning visibility into influence

BEING SEEN → **BEING HEARD** → **BEING INVOLVED** → **SHAPING THE CONVERSATION**

Inclusive communication is not only about who is visible. It is about whose expertise shapes decisions.

Women hold 24.9% of nuclear-sector jobs, but only 18.3% of senior leadership roles. Visibility without amplification stalls before it reaches the rooms where decisions are made. That gap is exactly what nuclear societies exist to close.

CATALYST 4

Earn trust: communities provide “social clearance”

- New entrant countries, like Bangladesh and Türkiye today, are engaging publics who have never lived near a nuclear plant before.
- With 730 million people worldwide still lacking electricity access, nuclear’s growth case has to speak to real, everyday lives not only to gigawatts.
- Nuclear societies translate technical safety into public confidence — one classroom, one town hall, one conversation at a time.

This is already happening at scale

One nuclear society, already global

WiN GLOBAL

A single women-in-nuclear network

35,000+

members across 145+ countries

THE WIDER SECTOR

Young Generation Networks, national and international societies, regulators, utilities

Every one of them can plug into the same four catalytic roles: connect, build capacity, amplify voices, earn trust.

One network, reaching 145 countries, already shows the scale this model can achieve. The opportunity now is to connect it with every other nuclear society working the same problem.

What can we build together?

Four concrete commitments for this year



Cross-society mentorship exchanges for young professionals in new entrant countries.



Joint public-engagement campaigns launched before first concrete pour, not after.



Shared, honest data on workforce diversity, tracked the same way across societies.



A standing forum linking WiN, Young Generation Networks and national societies with regulators and utilities.

Nuclear societies: catalysts for both

Resilient systems + Inclusive conversations = One nuclear future.



CONNECT



BUILD CAPACITY



AMPLIFY VOICES



EARN TRUST

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