Global Nexus Initiative
Mission, Accomplishments, and Next Phase

Turning the Page for Advanced Nuclear Reactors Workshop
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What Is GNI?

The Global Nexus Initiative (GNI) brings together leading experts from the nuclear industry, global and nuclear security, and climate/energy/environmental communities to examine the complex challenges posed by the intersection of climate change, energy demand, and global security.

There is a special focus on the nuclear security and governance evolutions required for nuclear power to continue to contribute and expand in a carbon constrained world.

Phase 1 resulted in 4 key findings and 20+ policy recommendations that explain how these issues fit together, why they matter, and chart a course forward.

Nuclear power, in addition to other clean energy technologies, is essential to meeting increasing global clean energy demand.
Phase 1: 2015-2017

The Global Nexus Initiative:

- Conducted multiple workshops
- Produced four videos
- Published three policy memos
- Produced a groundbreaking report with 4 key findings and 20+ actionable policy recommendations
- Increased the level of trust and cooperation between the nuclear industry and civil society
Out of 10,000 entries, the GNI report won a **2017 American Graphic Design Award**.
GNI: Breaking the Mold

GNI is a first-of-its-kind effort that joins nontraditional partners to develop smart nuclear policy.

- **Break the mold partnerships** can work—and are essential—to produce innovative, impactful policy prescriptions that address current challenges.

- Nuclear governance must be **strengthened and expanded** if nuclear power is to continue being a major provider of zero carbon energy.

- Geopolitical realities require an **aggressive and effective response**. New suppliers and nuclear newcomers need to embrace best practices. There are serious foreign policy, security and economic impacts of ceding next generation nuclear exports to China and Russia.

- Strengthened **public confidence** is an essential objective.
Nuclear governance, security and geopolitics are facing new challenges.

- **Civil nuclear expansion** in tense and stability challenged regions – Asia, Middle East, Africa
- **Non-legacy nuclear suppliers** with the potential to undermine international norms in pursuit of sales
- **Major evolution** of reactor technology – small modular reactors and non-water cooled

**Emerging Technologies**

- **Cyber security** for nuclear facilities and materials, including established and newcomer nations
- **Artificial intelligence** is an emerging and uncharted field in the nuclear area
- **Geo-engineering technologies**
- **Material science & 3D printing**
Media and Public Reactions

What worked...

- Caught interest of national and international media, organizations and experts – more than 20 news stories were written about the report, including one that went viral in Russia

- Broke through and received news coverage from mainstream titles, like Forbes, as well as traditional energy trade outlets

- Obtained significant news features in Canada and the UAE, sparked by the GNI working group

- Strong visual design of the Final GNI report

- Experienced an increase in GNI web traffic to 200 visitors/day, compared to daily average of 10/day – traffic came from Brazil, Canada, France, India, Russia, the U.S., and the U.K.

- Attained more than 1 million Twitter impressions over the launch of the final report

- The final report received no negative feedback from the non-proliferation community
Media and Public Reactions

What did not work ...

- Strengthen news worthiness to draw interest from major media
- Secure endorsements from influential people and organizations
- Better leverage distributions networks of GNI members
- Use roadshows and small-group briefings to promote findings & recommendations

How to improve ...

- Exploring innovative media strategies to cut through the information clutter of today’s environment
- Significantly improving news worthiness
- Maintaining publication quality and graphic accessibility
Expanding GNI’s Impact

- **Sharing our findings** through public events, briefings, and digital platforms
- **Engaging new partners** as working group members, contributors, and colleagues
- **Launching new initiatives and research** to address continuing and emerging challenges
- **Developing recommendations** that are realistic, actionable, and effective
GNI Phase 2

- Ensure that **next generation reactors** are designed to be safe, secure, proliferation-resistant, economic & environmentally friendly

- Underscore the **geopolitical** importance of nuclear power in a fluid global environment

- Focus on the challenges posed by the nuclear **supplier** evolution and needs of nuclear **newcomer** states

- Emphasize the **importance** of the nuclear power sector’s commitment to enhanced global and **social responsibility** and continued climate contributions

- Institutionalize **collaboration** between policy and industry communities for the long term