

IAEA Data Visualization Challenge

Held in Conjunction with the

International Conference on Climate Change and the Role of Nuclear Power
7–11 October 2019 in Vienna, Austria

The Challenge:

Participants should create and submit a **data visualization** relevant to the six thematic areas of the International Conference on Climate Change and the Role of Nuclear Power.

The major thematic areas of the conference include climate change mitigation and implications for the power sector, including the role of nuclear power. With the support and engagement of Member States and various international organizations, the conference seeks to improve understanding of nuclear energy in combatting climate change. The discussion will be guided by defining the current state of play, identifying objectives and necessary timeframes, and creating a plan or strategy for meeting those objectives. The broad themes will tackle nuclear power's interim and long term contributions (at present, until 2030, and beyond 2030) targeting future innovative applications, opportunities to address common challenges, and strategic and cross-cutting issues relating to public perception, regulations, markets, and finance.

The conference will provide an opportunity to discuss nuclear power as a low carbon energy source and its role in combatting climate change. Additional information can be found at the Conference website: <https://www.iaea.org/atoms4climate>

Applicants should submit a creative and analytical visualization of the role of nuclear power in combatting climate change. For this competition, data visualization is defined as the visual representation of data that effectively communicates information. The best data visualizations rely on less text and are intuitively designed. Acceptable submission formats include, but are not limited to, **interactive data visuals, posters, apps, videos, etc.** Submissions can be interactive, dynamic, or static.

Scoring:

Submissions will be evaluated based on the following criteria:

- ***Innovation and creativity***: the submitted work should be an innovative, original work combining rich visuals (which should be given primary attention) and background text or speech (for videos and other dynamic representations) providing necessary explanations and context;
- ***Logic***: the depth of thinking and research behind the visualization and logical structure of its arguments;
- ***Message***: strength of the message conveyed by the visualization;
- ***Data***: relevance, quality and reliability of the data on which the visualization is based. Transparency regarding the assumptions and the ways the data was processed.

Prizes:

Three submissions will be selected for display as part of a special event at the International Conference on Climate Change and the Role of Nuclear Power in 2019, and the creators will receive financial support to attend the conference in Vienna, Austria. The winning submissions will also be included in

the IAEA infographics and data visualization toolkit. The purpose of the toolkit is to inform IAEA Member States on various aspects of energy, economic, and environmental topics relevant to nuclear power.

In addition, all winners will receive a certificate signed by the IAEA Deputy Director General and Head of the Department of Nuclear Energy recognizing their efforts in analysing the role of nuclear power in climate change mitigation.

Selection procedure:

The selection committee will consist of IAEA staff and will be chaired by the Director of the Division of Planning, Information and Knowledge Management of the IAEA. All submissions will be assessed anonymously.

Submission Deadline: **30 July 2019**

Announcement of Winners: **15 August 2019**

Terms and Conditions:

The competition is open to participants from IAEA Member States only. Applicants may submit no more than one entry per candidate. The submission can be completed individually or in team (maximum three team members, only one person per winning team will receive financial support to attend the conference).

Submissions for the **IAEA Data Visualization Challenge** should be sent to the following email address: visualize.atoms4climate@iaea.org. Each submission should include the following¹:

1. Final data visual submission in accessible format (webpage, video file, pdf, etc.).
2. The full text of submission in Word document including descriptions of visuals and citations of works referenced.
3. All background data necessary for the development of visuals in any open source format.
4. In addition, they must send a completed
 - (a) [Participation Form \(Form A\)](#), and
 - (b) [Grant Application Form \(Form C\)](#) (if applicable) [**Please disregard the note about submissions deadline April 28 as it relates to paper submissions**],
as soon as possible to a competent official authority:
 - (a) Ministry of Foreign Affairs,
 - (b) Permanent Mission to the IAEA, or
 - (c) National Atomic Energy Authority,
 - (d) or to one of the organizations invited to participate for subsequent transmission to the IAEA, via email to: Official.Mail@iaea.org.

¹ Incomplete applications will not be evaluated