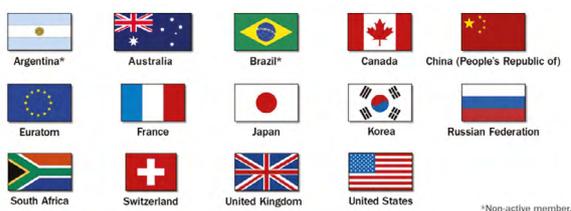


# GIF membership, organization and R&D collaboration

In 2021, the structure and organization of the Generation IV International Forum (GIF) remained the same. GIF is composed of 14 member countries, all of which are signatories of its founding document.

## GIF membership (2021)



The present chapter will focus only on major changes that occurred in 2021. More detailed information on the GIF membership and organization can be found on the GIF website<sup>1</sup>.

## GIF organization

GIF global governance in 2021 is summarized below in Figure 1-1.

At the end of October 2021, the GIF Policy Group members thanked the outgoing Chair Hideki Kamide from the Japan Atomic Energy Agency (JAEA) for the notable accomplishments of the past three years under his leadership. Alice Caponiti, Deputy Assistant Secretary for Reactor Fleet and Advanced Reactor

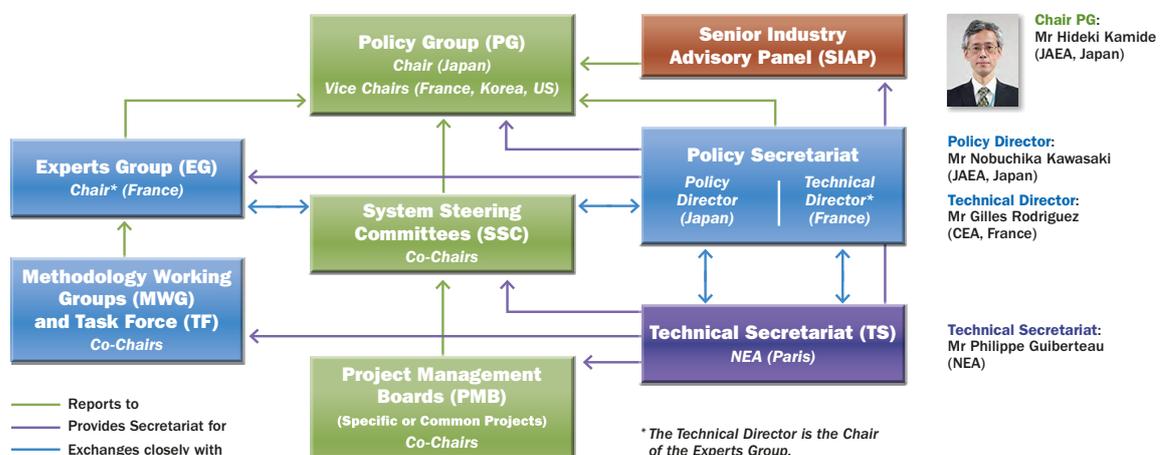
Deployment in the Office of Nuclear Energy at the United States Department of Energy (DOE) was appointed as the new GIF Chair, and she has proposed a new support structure for the GIF Chair effective 1 January 2022.

Concerning the GIF Technical Secretariat structure, the main changes and objectives from 2021 are:

- Discussion at the highest level of GIF occurred in 2021 about the creation of the molten salt reactor (MSR) system (i.e. the System Research Plan and System Arrangement, Project Plans and Project Arrangement for three new Project Management Boards) from the provisional System Steering Committee (SSC). The final decision was made to maintain the MSR under the current memorandum of understanding (MoU), with a possible enhancement in the organization of activities.
- The possibility of undertaking activities within the GIF framework relative to the non-electric application of nuclear energy heat (NEaNH) was also examined in 2021. A roadmap and a new organization were proposed in 2021, and these were presented to the GIF Experts Group and Policy Group, which decided to create a dedicated task force at the end of October 2021.

With the aim of stabilizing and reinforcing the GIF Technical Secretariat, several changes in staff occurred in 2021; the resulting structure of the GIF Technical Secretariat as of November 2021 is shown in Figure 1-2.

Figure 1-1: GIF Governance in 2021



1. For further details, please visit the GIF website at: [www.gen-4.org/gif/jcms/c\\_59452/governance-structure](http://www.gen-4.org/gif/jcms/c_59452/governance-structure).

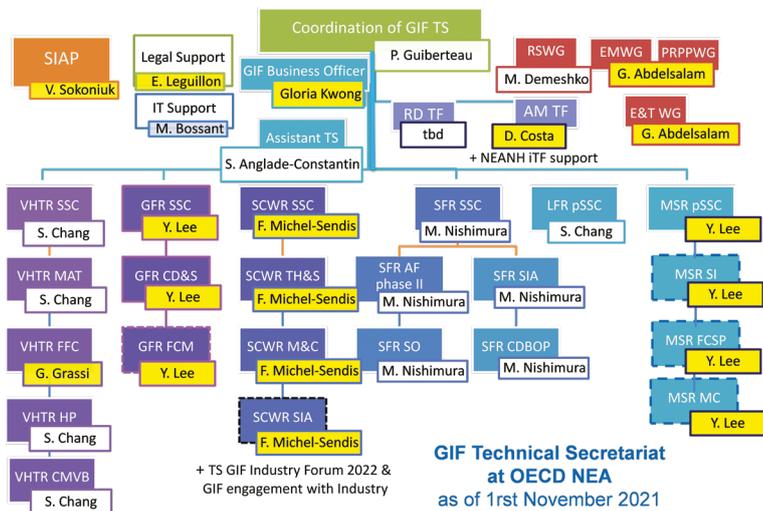


Figure 1-2: Structure of the GIF Technical Secretariat



Figure 1-3: GIF Policy Group photo during the virtual Zoom meeting in October 2021

The GIF Technical Secretariat continued in 2021 to improve GIF communication so as to reinforce the GIF position as a leading, collaborative organization at the international level, with technical expertise focused entirely on 4<sup>th</sup> generation nuclear energy systems, and with the key theme for the coming years of accelerating the readiness of Generation-IV (Gen-IV) systems to meet net-zero goals. To reach these goals, GIF:

- enhanced the hard/soft contents, structure and style of the GIF website;
- disseminated 11 technical reports with new and specific covers and back pages;
- released the “Gifted” Newsletter on a regular basis (five newsletters were released in 2021) with articles from member countries;
- supported the GIF Education and Training Working Group (ETWG) in the organization of the “Pitch your Gen-IV Research” competition involving young researchers, as well as the “GIF Chair webinar” in the framework of the 20<sup>th</sup> anniversary of GIF, with the participation of the current and former GIF chairs in two panel discussions about “views on GIF progress” and “future prospects towards deploying Gen-IV reactors as advanced nuclear energy systems”;
- participated in the 2021 World Nuclear Exhibition (WNE 2021) in Paris with specific GIF materials (e.g. kakemonos and flyers), presenting the GIF Economic Modelling Working Group’s *Nuclear Energy: An ESG investable Asset Class* report in a special workshop and staffing a booth where a teaser announcement for the 2022 GIF Industry Forum was made.

**The GIF logo for the GIF Industry Forum<sup>2</sup>**



*The objectives are to accelerate the readiness of Gen-IV systems to meet net-zero goals*

Throughout 2021, despite the unprecedented challenges posed by the COVID-19 pandemic, GIF members managed to make progress in their work with a minimum of disruption. The GIF Technical Secretariat continued to provide support – in virtual mode (see Figure 1-3) – to GIF technical bodies in charge of the development of the different systems, to the methodology working groups and to SIAP, as well as to the task forces.

More than ever, we are all looking forward to meeting face to face again, and having the opportunity to have technical exchanges in person.

**In conclusion, 2022 perspectives and objectives** are to continue to assume and improve the GIF Technical Secretariat despite difficulties related to the COVID-19 situation while:

- stabilizing the organization of the GIF Technical Secretariat and enhancing its work;
- Improving the secretariat links and improving support to the GIF Chair, GIF members and systems, working group, task force and SIAP chairs;
- Developing cross-cutting projects within GIF and with the Nuclear Energy Agency (NEA);
- Improving GIF links with industry and other non-profit international organizations (e.g. the World Nuclear Association [WNA] and the International Atomic Energy Agency [IAEA]), in particular through the organization of the GIF Forum with Industry;
- Continuing to develop GIF communication (technical, external and internal).



**Philippe Guiberteau**  
Head of the GIF Technical Secretariat

2. To download the flyer, please visit [www.gen-4.org/gif/jcms/c\\_196903/download-the-flyer-for-details](http://www.gen-4.org/gif/jcms/c_196903/download-the-flyer-for-details).