

Activities in FY 2023-2024

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The 30th AIM International Workshop

Ohyama Memorial Hall, NIES

August 28, 2024



Asia-Pacific Integrated Model

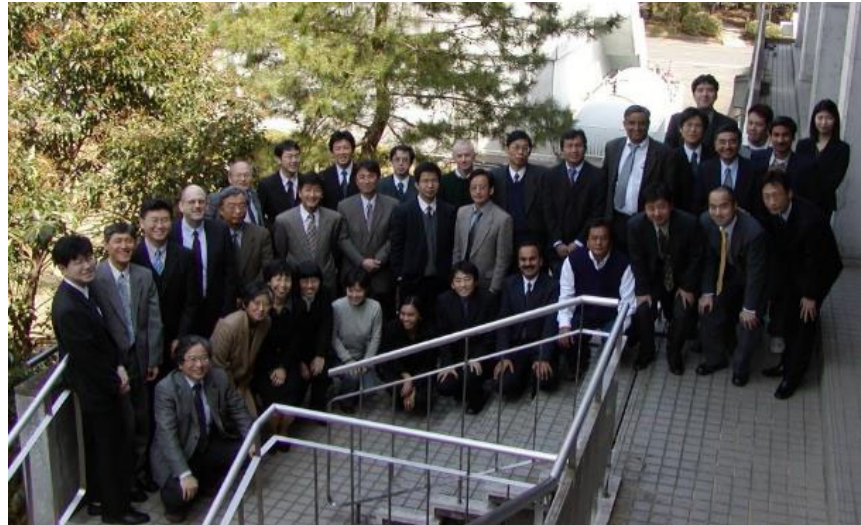
<https://www-iam.nies.go.jp/aim/index.html>



The 1st AIM Workshop started in 1995



The 1st Workshop in 1995



The 8th Workshop in 2003



The 21st Workshop in 2015



The 25th Workshop in 2019



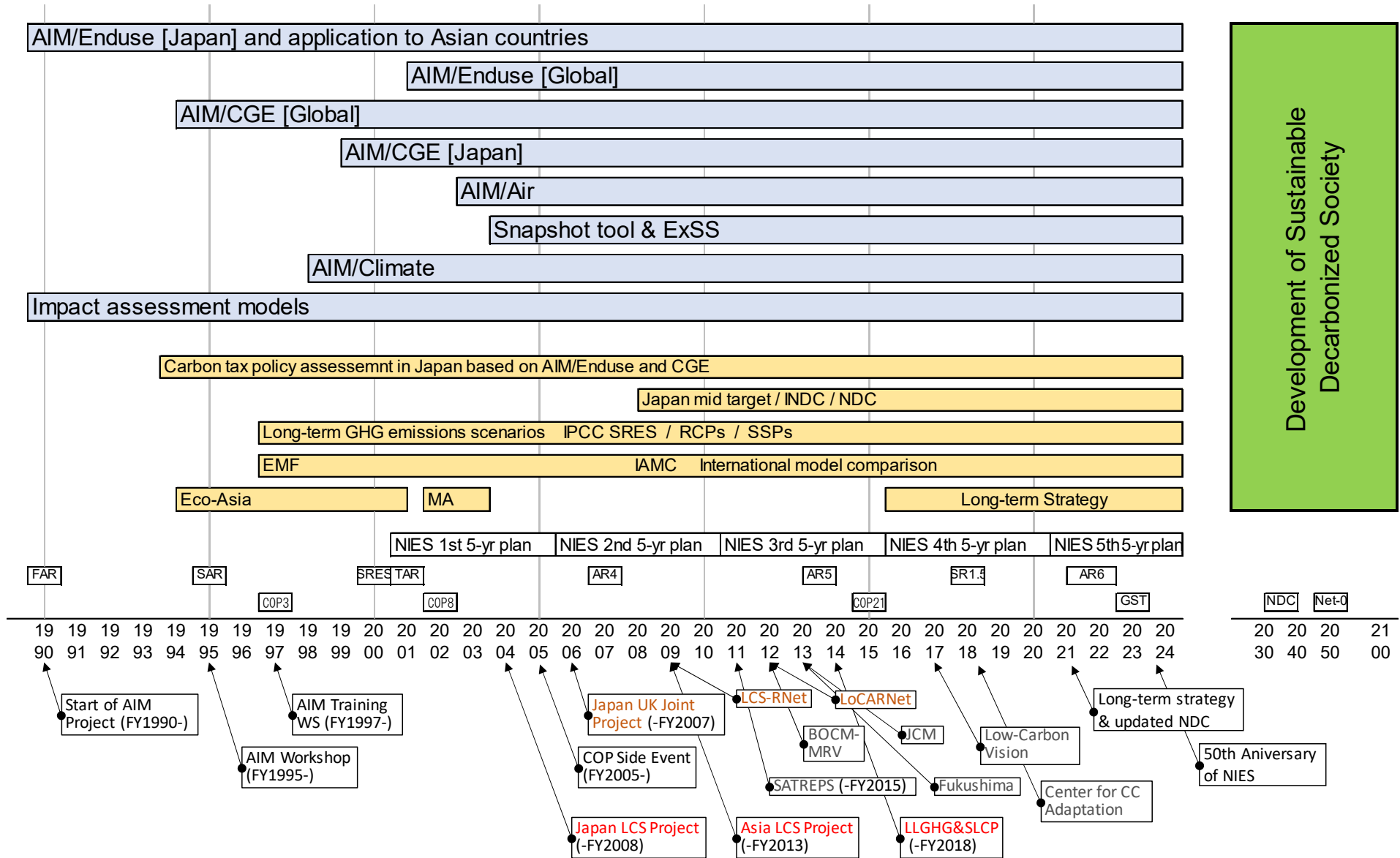
The 26th Workshop in 2020

The 29th AIM International Workshop in 2023



This year, 2024, the workshop will mark the 30th anniversary.

History of AIM Project



Development of Sustainable Decarbonized Society

30th AIM International Workshop

August 28, 2024 (Wednesday)

- Session 1: Opening including photo session
- Session 2: GHG Mitigations in Asia (1)
- Session 3: GHG Mitigations in Asia (2)
- Session 4: Poster Session and Reception

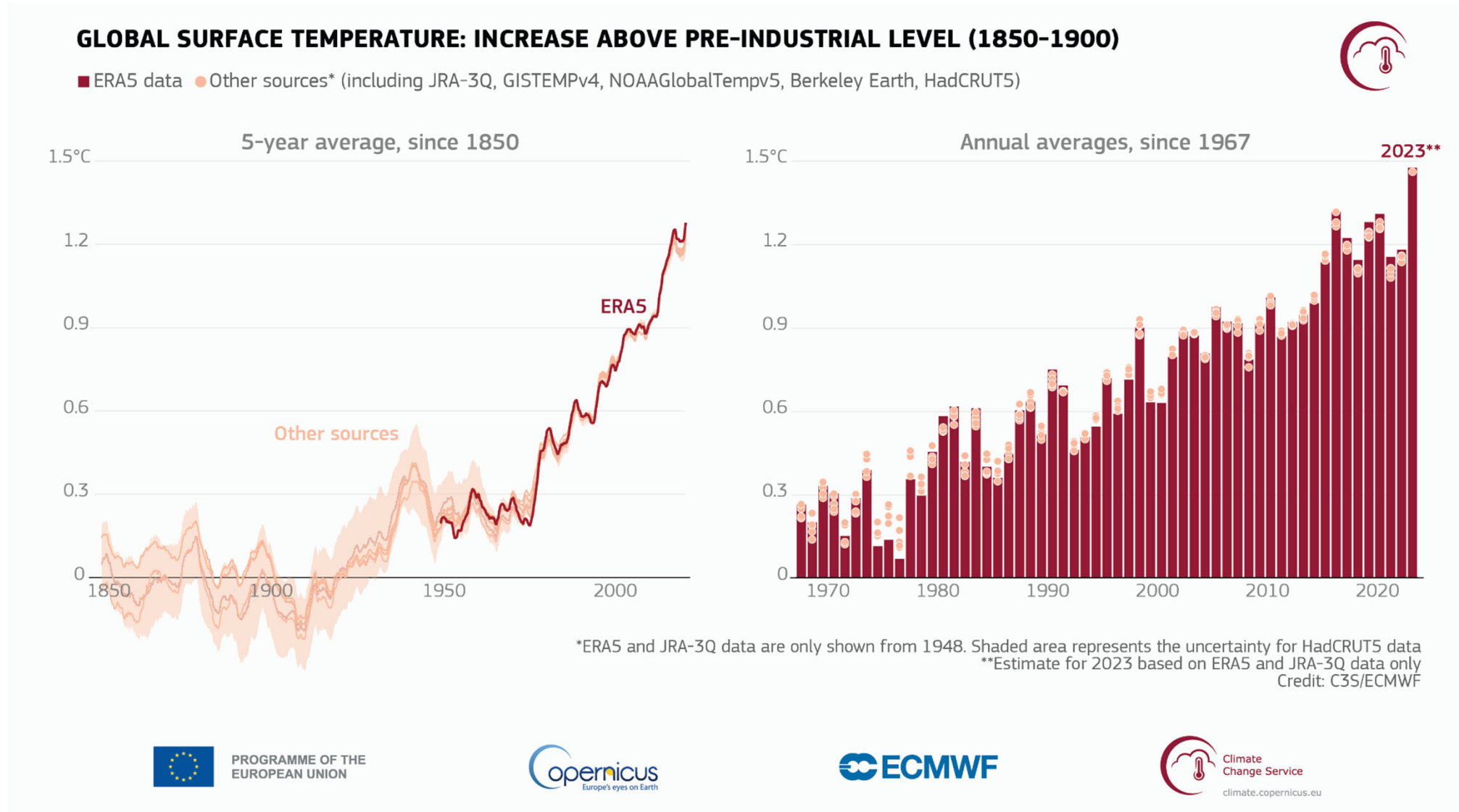
August 29, 2024 (Thursday)

- Session 5: Climate Impact, Adaptation, and Sustainability
- Session 6: GHG Mitigations in Japan
- Session 7: Global Analyses on GHG Mitigation
- Session 8: Toward the Next 30 Years
- Session 9: Closing

- Oral presentation files will be uploaded at the following site;
<https://nies.box.com/s/9dbh7c78d4r17t1fpjkduat5nhmihg87>
- Online posters are displayed at the following site;
<https://nies.box.com/s/p5ffks528j1mznbkdqydoeh9j5204yxs>

Activities in FY2023/2024

- Year 2023 was the hottest year.



ERA5: ECMWF (European Centre for Medium-Range Weather Forecasts) Reanalysis v5

Source : <https://climate.copernicus.eu/copernicus-2023-hottest-year-record>

Activities in FY2023/2024

- Both **Bottom-up (National/Sub-national)** analyses and **Top-down (Global)** analyses are required to show practical roadmaps to achieve the decarbonized society.
 - ✓ Reality for bottom-up analyses
 - ✓ Consistency for top-down analyses
- Both **Mitigation** and **Adaptation** are needed.
- Toward IPCC AR7 process, we need to continue to do solid research.

Activities in FY2023/2024

Bottom-up (National/Sub-national) analyses

- Submission of **new NDC** is required by **February 2025**.
- 2021.10: Plan for Global Warming Countermeasures
 - ✓ In addition to providing policy recommendations to partner countries, Japan will strengthen its engagement with them, support the formulation of long-term strategies and the revision of NDCs, and help the private sector build institutions and improve their implementation capacity, through the Asia-Pacific Integrated Model (AIM), thereby contributing to increasing the ambition of partner countries and strengthening their efforts toward decarbonization.
- 2023.12: Assistance Package to Promote Investments for Global Actions Toward the Achievement of the Paris Agreement Goals
 - ✓ Thus, the Government of Japan will expand the scope of technical support provided for the formulation of net-zero targets with feasible measures using a simulation model (Asia-Pacific Integrated Assessment Model, or AIM) to 10 countries, while considering the timeline of the next round of NDCs submission by 2025.

AIM and LoCARNet Peer-to-Peer Meeting for Sharing Experience and Lessons at NIES on August 27, 2024



Activities in FY2023/2024

Top-down (Global) analyses

- 1st Global Stocktake

- ✓ "Notes with alarm and serious concern the following findings of the Sixth Assessment Report of the Intergovernmental Panel on Climate Change:" (Paragraph 15)
- ✓ "an increase in the range of 2.1–2.8 ° C with the full implementation of the latest nationally determined contributions" (Paragraph 18)
- ✓ "Notes with significant concern that, despite progress, global greenhouse gas emissions trajectories are not yet in line with the Paris Agreement temperature goal, and that there is a rapidly narrowing window for raising ambition and implementing existing commitments in order to achieve it;" (Paragraph 25)

Activities in FY2023/2024

- 1st Global Stocktake

- ✓ "Recognizes the finding in the Synthesis Report of the Sixth Assessment Report of the Intergovernmental Panel on Climate Change, based on global modelled pathways and assumptions, that **global greenhouse gas emissions are projected to peak between 2020 and at the latest before 2025** in global modelled pathways that **limit warming to 1.5 ° C with no or limited overshoot** and in those that **limit warming to 2 ° C** and assume immediate action, notes that this does not imply peaking in all countries within this time frame, and that time frames for peaking may be shaped by sustainable development, poverty eradication needs and equity and be in line with different national circumstances and recognizes that technology development and transfer on voluntary and mutually agreed terms, as well as capacity-building and financing, can support countries in this regard;" (Paragraph 26)
- ✓ "Also recognizes that **limiting global warming to 1.5 ° C with no or limited overshoot requires deep, rapid and sustained reductions in global greenhouse gas emissions of 43 per cent by 2030 and 60 per cent by 2035 relative to the 2019 level and reaching net zero carbon dioxide emissions by 2050;**" (Paragraph 27)

Toward the next 30 years

- AIM team has been contributing to the solution of climate change for the past 30 years.
- For the next 30 years, AIM team is expected to continue to contribute to the solution of climate change.
 - ✓ How to contribute?
 - ✓ What topic?
 - ✓ ...
- At the Session 8, we would like to discuss the directions of AIM toward the next 30 years.

Let's have a great discussion!