

# Forum for Sustainable AI

Ministry of Ecological Transition, Hôtel de Roquelaure  
February 11th → 9h00 - 17h30

## Tentative Agenda for the Plenary Room

08:30 Arrival and Registration

09:00 High-level introductions by Ministers and government representatives:  
**Sharing a vision for Sustainable AI**



Agnès Pannier-Runacher,  
French Minister in charge of  
Environment

## SESSION ON AI INFRASTRUCTURE

09:30 Opening Keynote: **AI Policymaking for a Sustainable Future**



Sarah Myers West  
Co-Executive Director  
AI Now Institute

09:45

## Round table 1: Towards sustainable AI infrastructure: no way around

*The rapid deployment of artificial intelligence technology, especially large language models, entails growing needs, especially in terms of energy, water, and material resources. This round table will present an overview of the historic trends in data centers electricity consumption and how the raise of AI is a trend breaker, how in such context, a holistic approach to the environmental impacts of data centers is needed and what are solutions put in place to foster more sustainable AI infrastructure.*



Dr. Christiane Rohleder  
State Secretary at the Federal Ministry  
for the Environment, Nature  
Conservation, Nuclear Safety and  
Consumer Protection  
(BMUV)



Peter Michelson  
CEO  
EcoDataCenter



Josh Parker  
Head of Sustainability  
Nvidia



Anne-Laure Ligozat  
Computer science Professor  
ENSIIE & LISN



Tim Gould  
Chief Energy Economist  
International Energy Agency

10:40

## Presentation: Key challenges for the environmental performance of AI

*In the months leading up to the AI Action Summit, several stakeholders were able to contribute to a major position paper on the key challenges to fostering the environmental performance of AI. This session will provide an overview of the key challenges identified and allow participants to vote on the challenges they identify as priority.*



Bruno Sportisse  
Director  
INRIA



Emmanuel Le Roux  
Head of Eviden  
Atos Group

11:00

## Coffee break

# SESSION ON AI USES

11:25

## Round table 2: Creating cute cats or fighting forest fires: what are we using AI for?

*One of the biggest surprises of the Internet revolution, for one of its inventor Tim Berners-Lee, was the significant part of Internet bandwidth used for watching videos of cute cats. With generative AI, we are close to experiencing a tsunami of AI generated-content. From optimizing mundane activities to solving society's most pressing challenges, are we truly leveraging AI for meaningful progress, or are we caught up in its entertainment value, like perfecting cat memes? As AI announces itself as the next digital revolution - similar to the Internet - this round table will provide an opportunity to consider which uses of AI will be priorities in the future, and how we can ensure that environmentally beneficial uses are at the top of the list.*



Antonia Gawel  
Global Director of Sustainability  
& Partnerships  
Google



Gregory D. Dimitriadis  
CEO  
Growthfund National Fund of  
Greece



David Rolnick  
Co-Founder of Climate Change AI  
Assistant Professor  
McGill University



Robert Opp  
Chief Digital Officer  
UNDP

12:10

Pitch of demonstrations

12:25

Lunch with demonstrations

13:50

**Keynote: AI & Environment: opportunities for global cooperation**



Sally Radwan  
Chief Digital Officer  
UNEP

14:10

**Presentation: AI and Information Integrity on Climate Change**

*With disinformation and climate change topping the list of global risks in 2024, and the COP 30 in Belém on the horizon, the Brazilian Presidency of the G20 put the intersection of these issues at the forefront of the agenda during its presidency. This led to the establishment of this Global Initiative at the G20 Leaders Summit in Rio in November. The session will discuss how to further address disinformation on climate change with the advancement of Artificial Intelligence and how AI tools can be used to address and counter disinformation and promote information integrity on climate change. It will also debate how to address the adverse impact the development of AI can have on the environment given the extensive energy consumption it requires.*



Melissa Fleming  
Under-Secretary-General  
Global Communications  
United Nations



Tawfik Jelassi  
Assistant Director General for  
communication and information  
UNESCO



João Brant  
Secretary of Digital Policies  
Secretariat of Social  
Communication of the Brazilian  
Presidency



Camille Grenier  
Executive Director  
Forum on Information and  
Democracy

## SESSION ON AI MODELS

14:50

### Round Table 3: **Model with a mission: How to ensure AI is shared equally for a sustainable future?**

*AI has the potential to accelerate our environmental transition, but if not distributed equitably, it risks deepening the divide between countries. How can we ensure that AI is shared more equally to drive green growth and enhance environmental protection globally? This round table will tackle several topics: how do we optimize the resource consumption of AI models to improve access to AI capacities? How do we incentivize companies and data scientists to adopt best practices for frugal AI? And finally, how do we use quantitative datasets to develop an AI that genuinely supports the ecological transition and green growth for all nations?*



Paula Ingabire  
Minister for Information and  
Communication Technologies  
Rwanda



Gaurav Godhwani  
Director  
CivicDataLab



Sang-Hyup Kim  
Director General  
Global Green Growth Institute



Christine Zhenwei Qiang  
Global Director  
Digital Transformation  
World Bank Group



Jerry Sheehan  
Director of the OECD  
Directorate for Science,  
Technology and Innovation

15:35

### Coffee break

15:55

### Keynote: **The AI Compass: Guiding technology towards a more sustainable future**

*While performance is most often the only indicator for training and inference of AI models nowadays, what if energy efficiency also became a key indicator? This session will review the existing tools for measuring energy efficiency, the strategies for optimizing it and the energy gains it allows.*



Sasha Luccioni  
AI & Sustainability Lead  
Hugging Face

16:10

### Pitch Frugal AI Challenge winners



Théo Alves Da Costa  
Founder  
Data for Good



Sasha Luccioni  
AI & Sustainability Lead  
Hugging Face

16:25

## Discussion: **The importance of standardization for the measurement and mitigation of the environmental impact of Artificial Intelligence**

*To allow for real advances in the environmental efficiency of AI, a really important challenge is to be able to measure the environmental impact of an AI model. However, this is not such an easy task as the boundary of what constitutes an AI model and what the key indicators are are not easily defined. This session will present the roadmap of standardization experts for addressing the measurement and mitigation of the environmental impacts of AI.*



Frederic Werner  
Head, Strategic Engagement  
Chief of Strategy and Operations  
ITU / AI for Good



Alpesh Shah  
Managing Director  
IEEE Standards Association

17:00

## Conclusion: **Next steps for environmentally sustainable AI**



Brice Huet  
General Commissioner for Sustainable Development  
France



Thibaut Kleiner  
Director for Policy Strategy and Outreach  
DG CONNECT / European Commission

17:15

## **Cocktail**