

🌐 Morocco 📅 September 17-19, 2025

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CONFERENCE WEBSITE: <https://www.msc-les.org/sesde2025/>

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## | About the Conference

SESDE 2025 - International Workshop on Simulation for Energy, Sustainable Development & Environment!

The 13th International Conference on Simulation for Energy, Sustainable Development & Environment (SESDE 2025)

(<https://www.msc-les.org/sesde2025/>)

The International Workshop on Simulation for Energy, Sustainable Development & Environment is focusing on using M&S in applications related to Energy, Sustainability and Environmental Issues. Scientists and Subject Matter Experts in these sectors are invited to present innovative papers. The application of M&S to this sector represents a major opportunity considering the nature of the complex systems related to these issues that need to be studied and analyzed.

### DATES AND LOCATION

September 17 - 19, 2025

Venue: Fes, MOROCCO

#### Important Dates

SEP  
17

CONFERENCE  
DATE  
**September  
17-19,  
2025**

## KEY DATES

Abstracts or full draft papers, April 15th, 2025

Acceptance Notification, May 15th, 2025

Camera Ready Papers, June 15th, 2025

## PROCEEDINGS AND INDEXING

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I3M proceedings past editions (including EMSS, HMS, MAS, IMAACA, DHSS, IWISH, SESDE, FOODOPS, proceedings) are indexed by Scopus, in addition the I3M proceedings will be submitted for indexing in ISI Conference proceedings Citation Index and Google Scholar.

Current list of Topics , Applications and Tracks:

## TOPICS

- Climate change: Global warming, Global dimming, Fossil fuels, Sea level rise, Greenhouse gas, Ocean acidification, Shutdown of thermohaline circulation, Environmental impact of the coal industry, Urban Heat Islands
- Conservation: Species extinction, Pollinator decline, Coral bleaching, Holocene extinction,

Invasive species, Poaching, Endangered species

- Energy: Energy conservation, Renewable energy, Efficient energy use, Renewable energy commercialization, Environmental impact of the coal industry, Environmental impact of hydraulic fracturing
- Environmental degradation: Eutrophication, Habitat destruction, Invasive species
- Environmental health: Air quality, Asthma, Environmental impact of the coal industry, Electromagnetic fields, Electromagnetic radiation and health, Indoor air quality, Lead poisoning, Electronic Data Interchange, Sick Building Syndrome, Environmental impact of hydraulic fracturing
- Genetic engineering: Genetic pollution, Genetically modified food controversies
- Intensive farming: Overgrazing, Irrigation, Organizational Modeling, Monoculture, Environmental effects of meat production, Slash and burn, Pesticide drift, Plastics
- Land degradation: Land pollution, Desertification
- Soil: Soil conservation, Soil erosion, Soil salination
- Land use: Urban sprawl, Habitat fragmentation, Habitat destruction
- Nuclear issues: Nuclear fallout, Nuclear meltdown, Nuclear power, Nuclear weapons, Nuclear and radiation accidents, Nuclear safety, High-level radioactive waste management
- Overpopulation: Burial, Water crisis, Overpopulation in companion animals, Tragedy of the commons, Gender Imbalance in Developing Countries, Sub-replacement fertility levels in developed countries
- Ozone depletion: CFC, Biological effects of UV

exposure

- Pollution: Environmental impact of the coal industry, Nonpoint source pollution, Point source pollution, Light pollution, Noise pollution, Visual pollution
- Water pollution: Environmental impact of the coal industry, Acid rain, Eutrophication, Marine pollution, Ocean dumping, Oil spills, Thermal pollution, Urban runoff, Water crisis, Marine debris, Microplastics, Ocean acidification, Ship pollution, Wastewater, Fish kill, Algal bloom, Mercury in fish, Environmental impact of hydraulic fracturing
- Air pollution: Environmental impact of the coal industry, Smog, Tropospheric ozone, Indoor air quality, Volatile organic compound, Atmospheric particulate matter, Environmental impact of hydraulic fracturing
- Reservoirs: Environmental impacts of reservoirs
- Resource depletion: Exploitation of natural resources, Overdrafting
- Consumerism: Consumer capitalism, Planned obsolescence, Over-consumption
- Fishing: Blast fishing, Bottom trawling, Cyanide fishing, Ghost nets, Illegal, unreported and unregulated fishing, Overfishing, Shark finning, Whaling
- Logging: Clearcutting, Deforestation, Illegal logging
- Mining: Acid mine drainage, Environmental impact of hydraulic fracturing, Mountaintop removal mining, Slurry impoundments
- Toxins: Chlorofluorocarbons, DDT, Endocrine disruptors, Dioxin, Toxic heavy metals, Environmental impact of the coal industry, Herbicides, Pesticides, Toxic waste, PCB, Bioaccumulation, Biomagnification, Environmental

impact of hydraulic fracturing

- Sustainability: Economic, Social, Environmental, Financial, Cultural
- Transportations: Emissions, Traffic, Green Logistics
- Waste: Electronic waste, Litter, Waste disposal incidents, Marine debris, Medical waste, Landfill, Leachate, Environmental impact of the coal industry, Incineration, Great Pacific Garbage Patch, Exporting of hazardous waste, Environmental impact of hydraulic fracturing

## TRACKS

- Simulation and Modeling in Hydrocarbon and Geothermal Industries
- Smart Grid Planning, Optimization and Control-SPOC
- Transportations
- Decision-making models for sustainable risk management
- Simulation and optimization of Energy Systems

## POST-CONFERENCE PUBLICATION

Conference best papers will be directed to International Journals for inclusion through content extension. I3M 2025 will generate Special Issues of top-quality International Journals for best authors. Find out more on the website!

## PAPER SUBMISSION

The submission and review of papers for SESDE 2025 will be managed through EasyChair.

Guidelines for the preparation of manuscripts and

instructions for submission are provided on the conference website: <https://www.msc-les.org/i3m2025/call-for-papers/#submission-guidelines>

All manuscripts must be submitted electronically through the Conference Manuscript Management System.

All papers will be accepted with the understanding that they will be presented at the conference. At least one author of each accepted paper will be required to register before uploading the final version.

Access for free the I3M proceedings of previous editions

Conferences Proceedings are available at this link <https://www.cal-tek.eu/proceedings/i3m/>

## Awards

"Gianni Cantice Research Award for Gifted Simulation Students" and the "Norbert Giambiasi Award for Conceptual Modeling Excellence" will be announced during the I3M 2025 Gala Dinner and attributed to the best simulation student applicants. The Gianni Cantice Award is entitled to Col.Cantice as recognition for his long activity in Simulation; the Gianni Cantice Award Winner will receive the Award Certificate and a financial contribution (a free registration for the next I3M conference).

The Norbert Giambiasi Award is entitled to Prof. Norbert Giambiasi as recognition for very highly

qualified contribution in Conceptual Modeling and DEVS within the International Simulation Community. The Norbert Giambiasi Award Certificate Board selects the paper among best Conceptual Modeling contributions to the I3M Conference. If you have a student as co-author in your HMS paper the student could be considered for the award.

### Conference Aim

SESDE 2025 aims to advance the use of Modeling and Simulation (M&S) in addressing global challenges in energy, sustainability, and environmental issues. The conference fosters collaboration among researchers and experts to develop innovative solutions for sustainable development and efficient energy systems.

### Contact and Information

For further information please contact the SESDE secretariat ([sesde@msc-les.org](mailto:sesde@msc-les.org))

We look forward to welcoming you to Fes (Morocco)

Best Regards,

SESDE 2025 Organization Committee

 **TOPICS OF INTEREST**

3 topics

Research papers are invited in, but not limited to, the following areas:

Energy & Power Systems

Uncategorized

Environmental Science & Sustainability

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