

Lysor Scientific Committee

The Lysor Scientific Committee is an independent advisory body that supports the company in the development and validation of the technology. Composed of experts in environmental chemistry, hydraulic engineering, water cycle management and innovation, the Committee provides qualified opinions and recommendations on R&D programmes, testing methodologies, performance metrics and practical applications in the healthcare, industrial and agri-food sectors.

Ethical and Scientific Mission

The Committee adopts a Code of Ethics based on integrity, independence, transparency and confidentiality. Members operate with autonomous judgement, declare any conflicts of interest, protect the confidentiality of information and promote truthful, evidence-based scientific and technical communication. A commitment to sustainability, plant safety and user protection guides every decision.

Support for Research and Innovation

Through a structured validation approach (controlled testing, piloting on real systems, replicability and periodic review), the Committee:

- defines R&D priorities and guides innovation directions;
- contributes to the design and review of experimental protocols;
- analyses results and suggests technical and methodological improvements;
- fosters partnerships with universities, laboratories and public institutions.

Market Response

Thanks to the multisectoral expertise of its members, the Committee helps Lysor provide reliable solutions that meet market expectations. Recommendations on claims, evidence and guidelines allow the company to communicate rigorously with clients and stakeholders, ensuring that products meet the needs for Legionella and biofilm prevention in hospital systems, as well as the demands of the agri-food and industrial sectors.

Code of Ethics of the Lysor Scientific Committee

1. **Scientific Integrity** – Members operate with methodological rigour and objectivity, basing recommendations and opinions exclusively on verified data and a critical analysis of scientific evidence.
2. **Impartiality and Non-Discrimination** – The Committee's assessments and contributions are based on scientific and technical merit, without discrimination based on race, gender, orientation, belief or opinion.
3. **Independence and Autonomy** – Members exercise their advisory function with full autonomy, free from external pressures or personal interests; the Committee does not exercise managerial or representative powers.
4. **Conflicts of Interest** – Each member promptly discloses any interests (economic, professional or otherwise) that may influence their judgement. In the presence of conflicts, they abstain from the relevant analysis and deliberations. The use of privileged information for personal gain is prohibited.

5. **Confidentiality and Data Protection** – Technical information, test data and documentation shared within the Committee are treated as confidential and not disclosed to third parties without explicit authorisation. The Committee's activities comply with applicable privacy and data protection regulations.
6. **Transparency and Communication Accuracy** – External communications are clear, truthful and proportionate; scientific and technical claims are subject to review and supported by adequate evidence. Misleading statements are avoided, particularly on sensitive topics (Legionella, healthcare, agri-food).
7. **Environmental and Social Responsibility** – Recommendations take into account the environmental and social impact of Lysor solutions. The Committee promotes practices that improve the sustainability of systems and the protection of public health.
8. **Data Quality and Traceability** – The Committee promotes the collection, storage and analysis of data according to quality, traceability and replicability criteria, facilitating independent verification and continuous improvement.
9. **Regulatory Compliance** – The Committee's activities comply with applicable national and international regulations (research, safety, environment, healthcare) as well as Lysor's company policies.
10. **Collaboration and Continuous Development** – Members maintain a climate of mutual respect and collaboration, share knowledge and commit to continuously updating their skills to ensure the excellence of their advisory services.

Committee Members

Werner Tirler – independent member

Riccardo Maggiore – independent member

Francesco Berton – independent member

Pietro Calò – internal member

Lucio Piticchio – internal member

Biographies

Werner Tirler

Born in Merano in 1963, he has been director of Eco Research since 2004. An environmental chemist internationally recognised as an expert in dioxins and nanoparticles, he heads a high-technology laboratory that analyses emissions, water and wood isotopes. Under his leadership, Eco Research expanded following the Belgian dioxin scandal, winning contracts across Europe and participating in international tenders for dioxin measurement validation. In 2023 he was awarded the Italian Knowledge Leader recognition for Eco Research's appointment to organise the 46th International Dioxin Symposium in 2026; the event, which will bring together over 900 experts, will be scientifically directed by Tirler himself. He is a board member of the Eco Research association.

Riccardo Maggiore

Prof. Riccardo Maggiore is an environmental chemist with over forty years of academic and professional activity. He was Associate Professor of Environmental

Chemistry at the University of Catania, where he taught various disciplines (chemical analysis, applied chemistry, electrochemistry and waste treatment). His research focused on ecochemistry: from the study of pesticide degradation and complexes with heavy metals to the investigation of pollution in the Simeto and Alcantara rivers and the coastal waters of Sicily. He coordinated major environmental impact studies, including the assessment of pollution in the Gulf of Catania for the design of underwater pipelines, and is co-author of the first olive mill wastewater treatment plant in Sicily. In addition to publishing numerous articles in international journals, he has provided consultancy to major industrial groups and developed dozens of water treatment plants. He recently collaborated with the CNR on a project to extract polyphenols from olive vegetation water.

Ing. Piero Calò (Bolzano)

A civil hydraulic engineer with thirty years of experience in the energy sector, he served as board member (1996–2000), president (2000–2007) and then chief executive officer (2007–2010) of Azienda Energetica/Etschwerke in Bolzano. He has led companies in energy and telecommunications such as Ecogen, Alpikom and Biopower Sardegna, and served as vice-president of Petrolvilla Bulgaria. He currently chairs or manages several innovative companies, including Comput Electronic, ISTECH (Innovation in Sciences & Technologies), ICA srl, SICET srl and CEB srl, and sits on the board of Geotermia Futura. He is recognised as a promoter of projects related to renewable energy and environmental technologies.

Francesco Berton

An industrial technician with extensive experience in water cycle management, he served as general manager of the multi-company Acque Veronesi, which manages the water service in dozens of municipalities in the province of Verona. During his tenure he announced measures to increase filter mass against PFAS and promoted energy-saving programmes that generated savings of over 280,000 euros in 2016. In 2022 he joined the AGSM AIM group, where he holds the position of delegated board member of the subsidiaries Agsm Aim Power and Agsm Aim Calore, companies active in energy generation and distribution. He continues to work on the optimisation of water and energy resources in north-eastern Italy.

Ing. Lucio Piticchio

Engineer and inventor. Technical consultant in the industrial, civil and healthcare sectors. He developed the Lysor technology through years of research and testing across various fields, reaching the current state of the art. He leads the technical development of the Lysor system and promotes its application in the naval, hospitality, industrial and agri-food sectors. He participates in research projects such as the Digital Twin for Pilot Plant for Water Treatment, which integrates simulation and automatic control to improve the efficiency of heat exchangers and pipelines, and speaks at events on decarbonisation and water maintenance.