

# Scientific Consulting – Terms & Scope

Prof. Mario J. Pinheiro, PhD, Habilitation – Independent Scientific Consultant |  
Technological Physics & Econophysics  
Full Member of Sigma Xi | Former Professor, Instituto Superior Técnico (IST), Lisbon

## Areas of Expertise

- 1 Technological Physics and Electromagnetic Systems
- 2 Plasma Physics and Field Propulsion
- 3 Econophysics and Quantitative Modeling
- 4 Fractional Calculus and Complex Systems
- 5 Scientific Innovation and IP Strategy

## Types of Services Offered

- 1 Scientific evaluation of innovative concepts
- 2 Patent drafting and validation (US/EU focus)
- 3 Modeling and simulation (physical, economic, or hybrid)
- 4 Research mentoring and scientific coaching
- 5 Scientific writing and co-authoring of technical documents
- 6 Strategic consulting for R&D; and innovation projects

## Working Conditions and Process

- 1 Initial contact is accepted exclusively by email.
- 2 Phone calls or meetings are only scheduled after an initial evaluation.
- 3 Each inquiry should include: project summary, objectives, and expected scope.
- 4 A formal proposal (optional) will be provided for accepted requests, outlining deadlines, tasks, and compensation.
- 5 All work is confidential by default, unless otherwise agreed.

## Compensation

Consulting services are provided on an hourly or project basis. Compensation is defined upon mutual agreement, based on the complexity, urgency, and duration of the task.

March 2026 – Prof. Mario J. Pinheiro