

NIKO GRAPSAS

Exploration Geophysicist | Exploration Systems & Governed Autonomy | Founder, Sustainable Exploration

Boston / New York | Dual U.S.-E.U. citizen (Greece) | nikograpsas.com | [LinkedIn](#)

EXECUTIVE SUMMARY

Exploration geophysicist and scientific entrepreneur with experience spanning experimental research, energy and infrastructure systems, enterprise AI, company building, research-program architecture, and institutional strategy. Current work connects Exploration Systems, Evidence-State Sufficiency, and governed geophysical autonomy to consequential physical decisions under unresolved uncertainty.

PROFESSIONAL EXPERIENCE

SUSTAINABLE EXPLORATION | Founder | 2025-Present

- Founded Sustainable Exploration, an exploration and decision-intelligence institution focused on evidence, uncertainty, and commitment before difficult-to-reverse physical action.
- Developing the Exploration Systems research program and Evidence-State Sufficiency foundations, with From Perception to Permission as the current flagship governed-autonomy research direction and GEAE as its nested authority kernel.
- Built representative and applied architecture across subsurface energy, resources, geological storage, marine exploration, and planetary systems, with explicit maturity and authority boundaries.
- Presented lunar exploration and commitment research at Space Resources Roundtable XXVI; developing governed-autonomy collaboration and validation work for lunar and marine exploration contexts.

INPLEO, INC. | Co-Founder, Chief of Strategy | 2018-2024

- Developed and executed growth strategy for enterprise AI and analytics software specializing in Explainable AI and Deep Reinforcement Learning.
- Helped grow the company from pre-revenue to multi-million-dollar revenue scale.
- Led cross-functional teams and directed special projects and SaaS analytics with C-level stakeholders, including Fortune 500 clients.
- Launched or oversaw affiliated ventures including Alo Index, Trained, and VetRecor.

SELECTED STRATEGY, INVESTMENT & GROWTH EXPERIENCE | 2015-2018

- Worked across climate-product development, financial analysis, due diligence, market design, asset infrastructure, and growth strategy.
- Developed practical experience in capital allocation, exposure analysis, organizational incentives, and the boundary between analysis and authorization.

BOSTON UNIVERSITY / ARGONNE NATIONAL LABORATORY | Researcher | 2010-2013

- Designed experimental protocols for acoustic and X-ray-tomography analysis of multiphase flow in porous media.
- Led on-site science operations during two 47-hour Department of Energy beam-time experiments.
- Published first-author research in the International Journal of Multiphase Flow.

EDUCATION

Institution	Credential
Imperial College London	M.Sc., Sustainable Energy Futures, 2014-2015
Boston University	B.S., Geophysics & Planetary Science, magna cum laude, 2009-2013
Colorado School of Mines	Graduate Coursework, Geoinformation Technology: Applications of GIS

SELECTED CREDENTIALS & TECHNICAL CAPABILITY

MIT The New Space Economy | FAA Part 107 Remote Pilot | ArcGIS Pro / QGIS | Python scientific analysis | remote sensing and terrain analysis | continuing planetary GIS, scientific-computing, and technical-diving development

SELECTED PUBLICATION & ENGAGEMENT

Grapsas, N. & Shokri, N. (2014). Acoustic characteristics of fluid interface displacement in drying porous media. International Journal of Multiphase Flow, 62, 30-36. [DOI](#)

Space Resources Roundtable XXVI - lunar exploration and commitment research presentation, Colorado School of Mines, June 2026.

CORE CAPABILITIES

Scientific inference | exploration systems | governed geophysical autonomy | company and institution building | enterprise strategy | research-program architecture | evidence and commitment analysis | geospatial and planetary systems