

Ana Dalia Domínguez Martín

Geological Engineer · Candidate for a Master's in Product Management

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PROFILE

Geological engineer working on risk, feasibility and site investigation studies for energy and transport infrastructure. My daily work is about turning uncertain field data into a clear recommendation that a client, an engineering team and a public institution can all act on. I want to build products rather than only assess the ground they stand on, so I am applying to a Master's in Product Management to add user research, business modelling and product strategy to an engineering and analytical base.

EDUCATION

BSc in Geological Engineering, University of Pinar del Río 2021 to 2024

PROFESSIONAL EXPERIENCE

Trainee Technician, EFIA Cienfuegos, Geological Engineering Group 2024 to present

- Deliver geological engineering investigations that decide whether an infrastructure site is viable, covering fieldwork, sampling, laboratory coordination and the final technical report.
- Assess hazard, vulnerability and risk for photovoltaic solar parks, giving project owners the evidence they need to confirm or discard a location before construction budget is committed.
- Translate technical findings into recommendations for clients and public bodies who do not have a geology background, which is the part of the job I enjoy most.
- Work alongside civil engineers, surveyors and laboratory staff, keeping a study on track when field conditions change what was originally planned.
- Contribute to a municipal inventory of borrow pits and quarries, structuring scattered records into a single dataset usable for planning decisions.

SELECTED PROJECTS

- **Hazard, vulnerability and risk study for photovoltaic solar parks**, 2025. Site risk assessment supporting Cuba's solar energy build out.
- **Geological engineering investigation, EQUIFA asphalt export pier**, 2025. Ground investigation for a coastal loading facility.
- **Geological engineering investigation, Km 177 electric vehicle charging station**, 2025. Site study for new charging infrastructure on a national highway.

CONFERENCES AND PUBLICATIONS

- Co author. *Updated inventory of borrow pits and quarries, Abreus municipality*. INVESCONS National Workshop, 2025.
- Co author. *Updated inventory of borrow pits and quarries, Abreus municipality*. Science and Technology Event, base level, 2025.

SKILLS

Analysis	Risk and feasibility assessment, geotechnical data interpretation, field data collection, quantitative reporting, scientific writing.
Product oriented	Requirements gathering with clients, scope and constraint analysis, stakeholder communication, structured documentation, presenting results to non specialist audiences.
Ways of working	Multidisciplinary teamwork, deadline driven delivery, autonomy in the field, comfortable with incomplete information.

LANGUAGES

Spanish	Native.
English	B2, upper intermediate.