

# Grant & Project Leadership Dossier (GPLD)

**Candidate:** Fernando Manuel Gómez Castro

**Expertise:** Solar Energy R&D | Modeling & Simulation

## 1. Strategic Funding & Grant Management

As a senior researcher, Fernando understands that innovation requires resources. He has a proven track record of securing and managing substantial research budgets.

### The €360,000 Doctoral Initiative

Fernando authored the full grant proposal for his doctoral research. This involved defining the technical justification, establishing milestones, and budgeting for laboratory equipment and personnel time.

## 2. Project Leadership & Milestones

- **Lifecycle Management:** Guided projects from initial literature review to final oral defense and publication.
- **Budget Allocation:** Managed funds across experimental materials, software licenses, and conference dissemination.
- **Resource Planning:** Coordinated the use of university test-bed facilities and computational clusters.
- **Stakeholder Alignment:** Ensured research goals were aligned with the European POLYCITY initiative and local funding requirements.

### 3. Mentorship & Team Development

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Leadership is defined by the growth of others. Fernando has served as a pivotal mentor within his research groups:

- **Supervision:** Directed bachelor's degree candidates and ERASMUS exchange students across multiple universities.
- **Skill Transfer:** Taught students how to use Mathematica, SPSS, and laboratory equipment.
- **Quality Control:** Reviewed student documentation to ensure it met international scientific standards.

### 4. International Collaboration & Stakeholder Relations

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Fernando acts as a bridge between academia and industry. His projects often involve multiple stakeholders:

Stakeholder	Nature of Collaboration
University of Kassel	Doctoral research and high-level theoretical validation.
HFT Stuttgart	Applied research in sustainable building technologies.
UADY Mexico	Tropical climate testing and PV concentrator research.

## 5. Governance & Reporting

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- **Technical Documentation:** Prepared exhaustive project reports for funding bodies.
- **Strategic Presentations:** Delivered findings to academic committees and international conference audiences (e.g., EuroSun, SWC).
- **Regulatory Compliance:** Ensured all research adhered to safety and ethical standards for laboratory work.

## 6. Vision for Future R&D Leadership

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Fernando aims to lead multidisciplinary teams in the private sector or advanced research institutes, applying his grant-winning mindset to drive commercial innovation in solar thermal energy.