

FPI PREDOCTORAL CONTRACT

PhD in Hydrogen Safety

EXH2 Project

4 YEARS

Hydrogen experiments
Large-scale explosions · CFD simulation

Apply by 21 October

Profile: Engineering degree + Master's degree
José María de Madariaga Official Laboratory
Universidad Politécnica de Madrid

Send your CV lom.lom@upm.es

LOM POLITÉCNICA MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES AGENCIA ESTATAL DE INVESTIGACIÓN

🎓 FPI Predoctoral Position in Hydrogen Safety | EXH2 Project

Would you like to pursue a PhD combining **hydrogen experimentation, large-scale explosion testing, and CFD simulation**?

We are looking for a candidate to join the **EXH2 project** at the **Laboratorio Oficial José María de Madariaga (LOM), Universidad Politécnica de Madrid (UPM)**. The project investigates hydrogen explosions in modular facilities and develops criteria to improve their safety.

The PhD will combine **experimental work, instrumentation, and data analysis** with modelling using **FLACS-CFD**.

We offer a **four-year predoctoral contract**, specialised training, participation in international conferences and scientific publications, as well as research stays at international research centres.

🔍 **Candidate profile:** Engineering graduates with a Master's degree and an interest in hydrogen, industrial safety, CFD simulation, programming, and experimental work. Applicants must meet the eligibility requirements established in the call.

📧 **Interested?** Send your CV to lom.lom@upm.es.

For full details and information on the application procedure, please see [Convocatoria contratos predoctorales FPI-UPM 2026](#) and [solicitud](#).

#PhD #PhDPosition #Hydrogen #HydrogenSafety #IndustrialSafety #CFD #UPM #LOM