

HydrEn - "Alternative Hydrogen Storage by Enclathration", finanziato nell'ambito del Fondo italiano per la Scienza 2022-2023 (Bando FIS 2).

Codice Progetto: FIS-2023-00628

CUP: J53C25001630001

ANNEX 1 to the Call for Applications for the Doctorate in "Energia e sviluppo sostenibile" - curriculum Energia e benessere ambientale, 41st Cycle , Academic Year 2025/2026

with a grant entitled "Study and experimentation of methodologies for hydrogen storage by clathrate hydrates", financed under the Italian Science Fund 2022-2023 (FIS 2 Call) under the HydrEn Project "Alternative Hydrogen Storage by Enclathration " - Project Code: FIS-2023-00628 - CUP: J53C25001630001

Course information and selection procedures

"Energia e sviluppo sostenibile"

(PhD in association with companies)

Duration	3 years
Places	1 with a grant entitled "Study and experimentation of methodologies for hydrogen storage by clathrate hydrates", financed under the Italian Science Fund 2022-2023 (FIS 2 Call) under the HydrEn Project "Alternative Hydrogen Storage by Enclathration " - Project Code: FIS-2023-00628 - CUP: J53C25001630001
Curricula	1 – Energia e benessere ambientale
Research project	NO
Coordinator	Professor Anna Laura Pisello

Degrees required for admission

Specialist degree pursuant to Ministerial Decree 509/1999, **Master's degree pursuant** to Ministerial Decree 270/2004, **Degree** according to the system prior to the entry into force of Ministerial Decree 509/1999: **ALL**

How to complete the selection procedure

The selection procedure will be carried out as follows:

Evaluation of qualifications and interview (out of sixtieths: 30 + 30).

The evaluation of qualifications takes into account the university education, as well as any additional educational paths and professional and research experiences, and any scientific publications.

The interview will focus on the topics of the curricula that comprise the doctorate.

The interview will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad, and scientific interests.

The interview may, at the candidate's discretion, be held in English.

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For interviews held in Italian, knowledge of the English language will be assessed.

The interview will be held via video conference.

The interview will focus on questions posed to the candidates, after a random draw, on the topics of the doctoral curricula.

The Commission will prepare a series of questions exceeding the number of candidates admitted to the interview; each question will be placed in a sealed envelope; candidates will be asked to draw one envelope at random; the questions contained therein will be used in the test.

Given the wide range of topics covered during the course, the Commission will decide to place five different topics on different topics within the envelopes containing the questions for the interview, after drawing lots from them, from which the candidate can choose.

Furthermore, inside the aforementioned envelopes, a passage to be translated into English will be inserted.

During the discussion, the Commission will evaluate the candidate's aptitude for research, his/her willingness to undertake experiences abroad and his/her scientific interests.

The minimum score to pass the interview is **21/30**.

Eligibility is achieved with an overall score of 30/60 or higher.

Valuation of securities

University training course up to a **maximum of 18 points**, recognizing: to the degree grade, up to a maximum of 10 points, as assigned below:

Grade 110/110 with honors: 10 points

Score of 110/110: 9 points

Score equal to 109/110: 8 points

Score equal to 108/110: 7 points

Score equal to 107/110: 6 points

Score equal to 106/110: 5 points

Score equal to 105/110: 4 points

Score of 104/110: 3 points

Rating from 100/110 to 103/110: 2 points

Rating from 95/110 to 99/110: 1 point

Score lower than 95/110: 0 points

For candidates who have not yet obtained the qualification required for admission, for whom it is not possible to evaluate their degree grade, the average grade of the exams taken will be evaluated, awarding up to a maximum of 9 points, according to the degree grade scheme previously reported; to this end, the average grade, multiplied by 110 and divided by 30, is rounded to the nearest whole number.

Master's Thesis, up to a maximum of 8 points for each relevant Master's Thesis, recognizing:

1. for a thesis of excellent quality, in terms of scientific depth, 8 points;
2. for a thesis of excellent quality, in terms of scientific depth, 6 points;
3. for a good quality thesis, in terms of scientific depth, 4 points;
4. for a thesis of sufficient quality, in terms of scientific depth, 2 points.

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Additional training courses and professional and research experiences up to a **maximum of 7** for additional relevant training courses and professional and research experiences, recognizing:

1) for any relevant professional experience in the teaching field, up to a maximum of 1 point; in particular:

tutoring: 0.2 points for every 6 months of tutoring activity;

contract professor: 1.0 point for each year of contract;

teaching support activity: 0.2 points for every 6 months of support activity;

teacher in training: 0.2 points for each course.

2) for any relevant professional experience in the field of scientific research, up to a maximum of 4 points; in particular:

Research grant: 1 point per year; for research grants not yet completed, 0.5 points every 6 months;

research project scholarship: 0.3 points per year;

graduate school: 1.0 point each year;

relevant doctoral degree: 3.0 points for each doctoral degree.

3) for each additional relevant training course, up to a maximum of 2 points; in particular:

professional qualification: 0.2 points for each qualification;

relevant training and/or specialization course: 0.2 points each course;

2nd level master's degree: 1.0 point for each master's degree.

Publications

up to a maximum of 5 points for relevant publications, recognizing:

for each publication in a refereed journal, 1.5 points;

for each book chapter publication, 1.0 point;

for each publication in conference proceedings, 0.5 points

Interview evaluation.

Interview evaluation criteria: knowledge of the subject matter and clarity of presentation, assessment of the candidate's aptitude for research, willingness to undertake experience abroad, and scientific interests.

In particular, scores will be awarded on the basis of the following overall evaluation ranking, as a result of the application of the above criteria:

30/30: excellent profit in relation to the above criteria

29/30: almost excellent profit in relation to the above criteria

28/30: more than distinct profit in relation to the above criteria

27/30: distinct profit in relation to the above criteria

26/30: almost distinct profit in relation to the above criteria

25/30: more than good profit in relation to the above criteria

24/30: good profit in relation to the above criteria

23/30: almost good profit in relation to the above criteria

22/30: more than sufficient profit in relation to the above criteria

21/30: sufficient profit in relation to the above criteria

20/30: insufficient profit in relation to the above criteria

19/30: seriously insufficient profit in relation to the above criteria

18/30: poor profit in relation to the above criteria

17/30: severely poor profit in relation to the above criteria

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16/30: poor profit in relation to the above criteria

equal to or less than 15/30: seriously deficient profit in relation to the above criteria

Interview diary :

Starting **April 2, 2026** A **notice** will be published on the University website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online noticeboard. This **notice** will communicate **the dates and times of the call**, as well as any other communications regarding this selection process. This notice serves as a formal call , **and no personal communications will be sent.**

Failure to appear for the selection tests (or failure to connect on the day and at the time of the interview in the case of online interviews) will constitute an implicit waiver of participation in the selection process, regardless of the reason.