

# CONSORZIO INTERUNIVERSITARIO PER LO SVILUPPO DEI SISTEMI A GRANDE INTERFASE

CSGI  
c/o Dipartimento di Chimica "Ugo Schiff"  
Università degli Studi di Firenze



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CALL ID: CSGI-FI-14/2020

## Open position for an early- stage researcher within the EU Project 'Tackling the environmental concerns for deploying geothermal energy in Europe' — 'GEOENVI'

The Center for Colloid and Surface Science (CSGI) – University of Florence is partner of the Project 'Tackling the environmental concerns for deploying geothermal energy in Europe' — 'GEOENVI' (n. 818242), financed by the European Programme Horizon 2020, call H2020-LC-SC3-2018-2019-2020.

CSGI offers a position as an early-stage researcher in the framework of the GEOENVI project. The fellow will have the possibility to work at world-class scientific level in multidisciplinary and international teams.

### Time period:

October 1<sup>st</sup>, 2020 – January 31<sup>st</sup>, 2021

### Location:

University of Florence, Dipartimento di Ingegneria Industriale, Viale Morgagni 44, 50134, Firenze

### Job Requirements:

CSGI is looking for a highly motivated and creative researcher with a Master Degree in the areas of Energy or Mechanical Engineering, Environmental Engineering (or equivalent) with expertise in the following fields:

- Use of simulation models and Life Cycle Analysis (**LCA**) applied to energy conversion systems.
- Knowledge of **geothermal technologies** of different types: flash, dry steam and binary cycles and their environmental concerns.
- **Exergy and Exergo-environmental** methodologies applied to trace back the normalized LCA results to the performance of **key components of geothermal energy conversion systems** (wells, separators, heat exchangers, expanders, cooling towers and associated equipment).

Candidates must show a good attitude in working in a team, strong analytical and organizational skills.

Gross salary: up to EUR. 5.600 € for the time period above specified.

All candidates must send:

1. a signed application letter specifying: surname and name, date of birth, address, e-mail and telephone number;
2. the curriculum vitae et studiorum;
3. the degree certificates with the scores of each exam and final evaluation;
4. the list of all titles and documents that can be relevant for the selection;

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All applications must arrive by email to [recruitment@csgi.unifi.it](mailto:recruitment@csgi.unifi.it) by September 25<sup>th</sup>, 2020 (05:00 PM, time zone Europe/Brussels). Please report the CALL ID (CSGI-FI-14/2020) in the subject of the email.

A colloquium with the evaluating committee might be requested. The colloquium can take place either face-to-face or via Skype.

The result of the selection will be posted on the CSGI official website <http://www.csgi.unifi.it>  
Personal data will be collected and handled according to the Italian privacy policy (D. Lgs. 30 June 2003, nr. 196).

Sesto F.no, September 2<sup>nd</sup>, 2020.