

## Scientific Research

To contribute to the scientific and technological development in the field of water, the ENSH has developed action plans within the framework of the national research program, including the following themes :

- Climate change and water resources
- Hydraulic constructions
- Water treatment and purification
- Experimental pumping machines stations
- Urban hydraulics
- Environment and coastal zones
- Irrigation and drainage
- Desalination of seawater

The ENSH has two research laboratories composed of 5 and 4 teams respectively working on themes with socio-economic impact. In addition, the School organizes national and international scientific and technical events



## Formation Post-Graduation training

The ENSH has been providing doctoral training (LMD and Es-sciences) in Hydraulics since 2011.

## Continuing Education

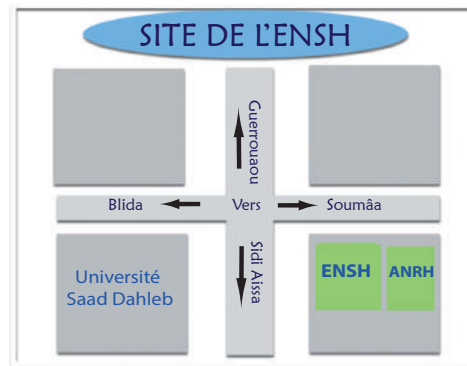
The ENSH offers short-term refresher and improvement courses. They are organized for the benefit of engineers from the sectors of hydraulics, public works and environment.

These courses are taught by highly qualified researchers and experts using modern pedagogical means.

## Pedagogical Infrastructures

The "ENSH" is equipped with modern education- al structures and Equipment which are:

- 03 Auditoriums .
- 01 Conference room with 350 seats.
- 06 Classrooms and 24 tutorial rooms.
- 17 laboratory assignments for practical exercises
- 03 Experimental station
- 01 Library with more than 5000 books and more than 1000 final study projects.
- 01 Equipped computing center.
- 01 Center responsible for the production of all scientific publications (journals, newspapers, proceedings, posters etc...).
- 01 Incubator.
- 01 Center for Entrepreneurship Development.
- 01 Language Laboratory.
- 01 MOOC Studio.
- 01 Experimental Irrigation Platform.



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MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH

National Higher School For Hydraulics

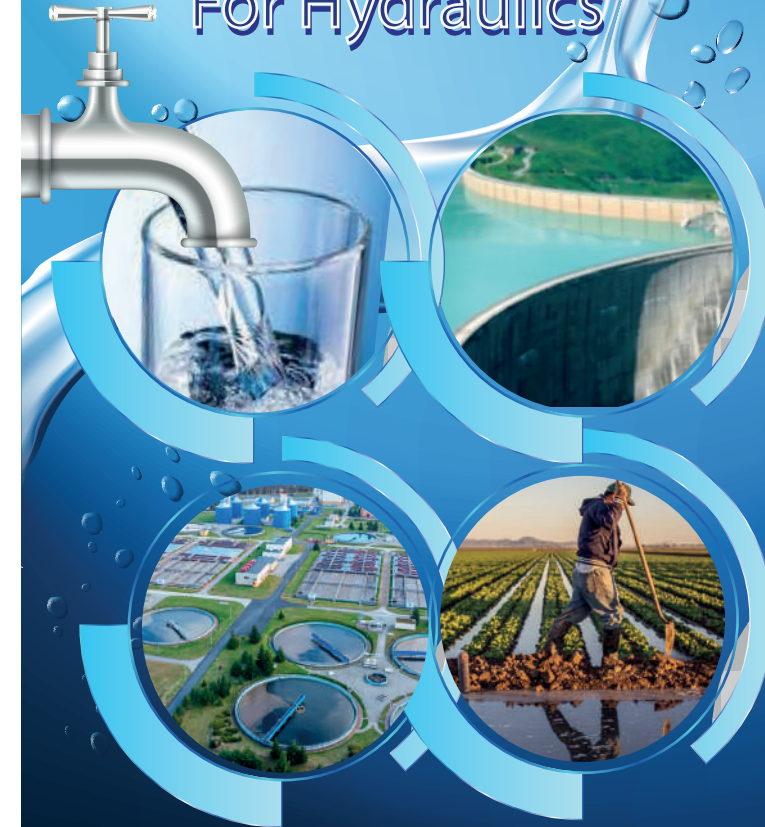
El Moudjahid ABDALLAH ARBAOUI.



المدرسة الوطنية العليا للري  
المجاهد عبد الله عرابوي

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# National Higher School For Hydraulics



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## Presentation

The National Higher School for Hydraulics of BLIDA is a public institution of higher education under the supervision of the Ministry of Higher Education and Scientific Research managed as a public institution with scientific, cultural and professional character, in accordance with the executive

## Missions

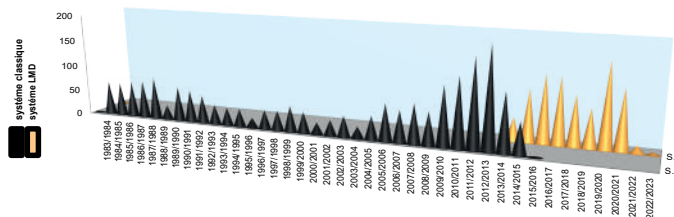
The school is a privileged strategic training institution for the development of the water sector. It offers a space to improve knowledge in the fields of water and environment. The ENSH provides graduation and post-graduation courses in close alignment with the professional world.

## Career Opportunities

At the end of their training at the ENSH, the engineers will have the opportunity to access employment in the following establishments and structures

- 01 Central administration of the water resources sector.
- 02 Water resources directorates of the wilayas.
- 03 Local authorities.
- 04 National agencies ANRH, AGIRE, ADE, ANAT, ANBT, ANDE...
- 05 State and private consulting firms.
- 06 Management and construction companies of hydraulic infrastructures.
- 07 Water resources management offices ONA , ONID, ONM
- 08 National companies such as: Sonatrach, COSIDER, AMENHYD, SEACO, SEAAL, SEOR,...
- 09 Private companies such as: Prime Agro Nestlé Waters, CHIALI...

Evolution des Diplômés de 1983 à 2023



## Graduation training

L' The access to the School is open to high school graduation of the following series:

- 01 Mathematics.
- 02 Technical Mathematics.
- 03 Experimental Sciences.

The duration of the studies is 05 years

- 01 Two (02) years of preparatory classes
- 02 Two (02) years in Second Cycle
- 03 In the third year of the Second Cycle, the student integrates one of the specialties according to his ranking:
  - \* Urban Hydraulics: Drinking Water Supply and Sanitation.
  - \* Irrigation and Drainage.
  - \* Development and Hydraulic Engineering .
  - \* Reuse of Non-Conventional Waters (Desalination of seawater and wastewater treatment).

Access to the first year of the second cycle is open to students of the preparatory schools who have passed the entrance exam to the higher schools.

The training curriculum is based on lectures, Tutorials, fieldtrips. and internships in a professional environment.

The teaching provided at the School meets international standards and norms with evaluations and quality assurance and internal audit procedures.

The supervised work aims to acquire skills in various fields of engineering through individual course projects and professional group projects

Internships in national companies are carried out for the completion of the MFE (Final Study Project).

## Diploma

At the end of their academic course, the student writes a final study project. The graduated students benefit from an initiation training to research estimated at 205 hours to obtain the master's degree in Hydraulics. The access to doctoral training is done by national competitive examination whose number of positions filled is fixed by ministerial decree.

## Scholarship

As part of the partnership agreements between foreign academic institutions, the best students are awarded scholarships to study abroad.

## Entrepreneuriale Training

At the end of their ENSH studies, the students Have received an entrepreneurial training since 2012 (F.I.E) within the framework of the cooperation project in training and scientific research between Algeria and France (FSP) and (RME) Mixed Network of "Grandes Ecoles". But also within the framework of the application of the ministerial decree 1275 of 27/09/2022 at the level of the ENSH Incubator.

## The Incubator ENSH-Blida

Validated by the permanent sectoral committee of scientific research and technological development and the Ministry of Higher Education and Scientific Research on September 5, 2021 in exclusive partnership with ANVREDET. The Incubator is a common research service and a structure for hosting and supporting innovative project holders.

The incubator takes care of the selected project holders and provides the necessary means to formalize their project ideas and to validate their long-term feasibility. They are provided with quality training, advice and funding with accommodation until the creation of the company.

## Tutoring

The teaching staff is composed of highly qualified teachers.

Teachers	Number
Professor	09
Associate Professor (A)	11
Associate Professor (B)	31
Assistant Professor Class (A)	15
Assistant Professor Class (B)	09