

7 th international seminar of water and climate network



Under the theme

**How to manage water resources
in a context
global climate change?**

University of Rouen-Normandy
20 and 21 decembre 2017

*Maison de l'Université
Campus of Mont – Saint – Aignan
Rouen (France)*



PHC MAGHREB TRANSVERSAL 2017



Code Projet : 36915SL

University of Rouen-Normandy, M2C, UMR IDÉES ROUEN, Place Émile Blondel, 76130 Mont-Saint-Aignan

<http://www.univ-rouen.fr/>, <http://eau-climat-maghreb.net>, eauclimat.rouen2017@gmail.com

Symposium website: <http://eau-climat-maghreb.net/>

Objectives and context of the scientific meeting:

The global decline in water resources is unfortunately very real and this freshwater shortage is increased in the Mediterranean region. These regions are confronted with a sharp decrease in water, which has been noticeable since the 1990s, linked to both climate change (hot spot of climate change according to the IPCC), environmental degradation (dams silting, water pollution) And anthropogenic pressure (urbanization, agriculture, industrialization). For several decades, demand for fresh water has risen sharply, notably because of population growth, expansion of irrigated areas, development of industry and tourism. One of the solutions envisaged by different countries to preserve the resource is the construction of dams which store rainwater and water runoff during periods of flooding. These structures regulate and transfer large volumes of water for EAF, industry and irrigation, but management of these facilities must integrate sustainability issues in an environmental and economic sense and take account of pollution factors And silting. Indeed, during a period of rainfall deficit (recurrent cycle under Mediterranean climate), the decline in flows during low-water periods is accompanied by a high concentration of pollutants in runoff that can reach the dam lakes located at Downstream of the watersheds. Similarly, during extreme weather events (intense Mediterranean rainfall), the watersheds of these areas respond in a torrential manner to floods (devastating floods) and sediment transfers, leading to a considerable siltation of the storage areas.

Scientists are called upon to reflect on this problematic based on an equation based on the reduction of water resources, the increase in demand and the degradation of the environment. These three factors need to be addressed in a context of global change based on an integrated management approach that will optimize water resources.

In the line of the international symposia organized by the Water and Climate Network, successively in France (Rouen 2012), Morocco (Fez, 2013), Tunisia (Hammamet, 2014), Algeria (Constantine, 2015) Fez, 2016) and finally, once again in Tunisia (Hammamet, 2017). This new meeting is classified under the sign of the new project "PHC MAGHREB 36915SL" "Quality of the Maghreb dam lakes, siltation and eutrophication, for an integrated management of drinking water resources" which has just started in April 2017. It is also an opportunity to compare the results of other scientific programs carried out within the framework of the Water and Climate Network. It is also a part of the program of actions carried out by the University of Rouen and the M2C and UMR IDEES Rouen laboratories to promote training, research and exchanges between researchers in the field.

The international seminar in Rouen is a new opportunity for the researchers of this network to meet and exchange on unifying themes:

Climate change and impacts on water resources

Climate change: diagnosis, trends

Climatic Fluctuations and Hydrological Variability: Impacts on Water Resources

Strategies for adaptation to climate change

Dry and low water

Floods

Water resources: quantity and quality / risk on the environment and risk on development

Hydrology and surface water resources

Groundwater resources: assessment, interaction (surface - underground), recharge of aquifer systems

Water quality and vulnerability of hydrosystems

Hydrosedimentary Flows and Silting of Dams

Sustainable management of water resources / Hydraulic facilities and large transfers

Simulation and Modeling

Methods and Tools

Trend and cycle research

Management and Monitoring Platform (GIS)

Languages: French, English

Important dates:

Deadline for receipt of abstracts	October, 30, 2017
Notification of acceptance	November, 10, 2017

Submission of abstracts and registration:

Abstracts together with the completed registration form (to be downloaded from the website), will be sent as attachments to the following e-mail address:

eaucimat.rouen2017@gmail.com

Abstracts should not exceed 1 page and must conform to the following format requirements:

- **Title: "Time New Roman" 12, Fat**
- **Author (s) & Email: Times New Roman, 10**
- **Summary: "Time New Roman" 11, single-spaced.**
- **Keywords: 4 to 6 words**

Participation fees:

The registration fees for the researchers are 100 euros and 50 euros for the students. Members of the Organizing and Scientific Committees shall be exempt from these expenses.

This award covers coffee breaks, conference documentation and the closing cocktail of the seminar, it does not include lunches and lodging.

Payment

By bank transfer to the account of the AGHN (Association of Geographers of Haute Normandie)

LA BANQUE POSTALE

Code IBAN FR45 2004 1010 1402 2808 3V03 531

Code SWIFT PSSTFRPPROU

By mentioning "International Seminar University of Rouen 2017, Name and Surname"»

Symposium website:

<http://eau-climat-maghreb.net/>

Contact

eaucimat.rouen2017@gmail.com

University of Rouen-Normandy, M2C, UMR IDÉES ROUEN, Place Émile Blondel, 76130 Mont-Saint-Aignan

<http://www.univ-rouen.fr/>, <http://eau-climat-maghreb.net>, eaucimat.rouen2017@gmail.com