



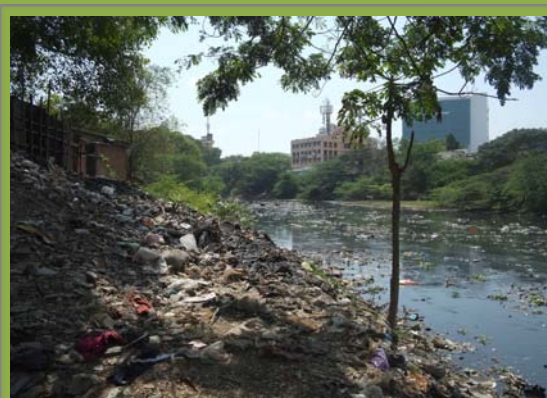
Anna university was established in 1978. It offers higher education in engineering and technology. The Centre for Water Resources in a teaching and research department involved in hydrology and water management.

A FRENCH-INDIAN COOPERATION DEDICATED TO THE RESEARCH AND HIGHER EDUCATION WITHIN THE SCOPE OF THE WATER RESOURCES

Tours university was established during the 70's and is committed for higher education and research in the field of medicine, laws, economics, humanities and science. The GéHCO lab and the geoscience teaching department are associated for innovative program, training students and disseminating water sciences



WATERSHED RISK ASSESSMENT



Megacities (>10 millions inhabitants) and large cities with rapid urbanization and industrial development can generate some serious concerns in waterbodies. Micropollutant contamination (mercury, arsenic or lead for example but also PCB, polycyclic aromatic hydrocarbons), bacteria, organic matter and microplastics are among the major issues in these largest urban areas. In India, most of the urban population depends on the river water source for their day to day consumption purpose

UNIVERSITY OF TOURS

GéHCO Unit research

Geosciences teaching department

sciences & technology faculty

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SAMPLING ANALYSING UNDERSTANDING SHARING



Bed sediments of the coum river retrieved with an uwitec coring device. The water quality is studied through the concentration of trace elements and organic compounds



The arcus program of the french ministry for foreign affairs aims at setting innovative academic partnership between french regions and other countries.

Collaboration focusing on academic education, research and economic development are strongly encouraged

In that framework, the region Centre Val de Loire has put the emphasis to strengthen international cooperation with the Tamil Nadu,



A RESEARCH & EDUCATION PROGRAM



What ? When ? Who ? How ?

UNDERSTAND THE RIVER CONTAMINATION IN THE CHENNAI DISTRICT

The major sources for urban irrigation and water supply system in Chennai (Tamil Nadu) are the Adyar and Cooum urban rivers, going to the gulf of Bengal and the quality state of these waterbodies has not been evaluated yet. This study focuses on micropollutant survey in river bed sediments to define water risk assessment.



INCOMING & OUTCOMING STUDENT MOBILITY

In 2014 and 2015, 9 French students of the Master "Hydrosystems and river basins" of the University of Tours, spent 3 months each for their internship at the Anna University, the MSSRF in Chennai and at the French Institute of Pondichery. At the same time, 2 Indian students of the Center for Water Ressources spent between 3 and 5 months each at the GeHCO research laboratory for their internship.



CO-SUPERVISED THESIS

Since 2015, a PhD student started to work on the ARCUS program data about urban river quality in Chennai. This PhD topic is conducted for 3 years, both by Anna University (Center for Water resources) and the University of Tours (GéHCO lab). The first communication about this study was made in December 2015 at the congress "Water in megacities", UNESCO in Paris.

