

ENAC-SIE, SIE Project, Fall 2017	Start: 19/09/2017
4 ECTS credits	End: 22/12/2017 (approx.)

Title	Sampling streamwater during a storm event
Supervisors	Dott. Paolo Benettin, Prof. Andrea Rinaldo
Objective	Realization of a high-frequency water sampling campaign in the Chamberonne river (Lausanne) during a storm event
Abstract	Evaluating the quality of stream water often depends on the ability to take measurements in the right spots and at the right times. The goal of this Project is to sample streamwater (using automated autosamplers) during one storm event. The selected site is the Chamberonne catchment, near EPFL campus, where the ECHO laboratory operates several gauging stations. Collected samples will be analysed for solute concentration to aid water quality assessment in the Chamberonne river
Task description	<ol style="list-style-type: none"> 1. learn how to setup an autosampler and manage water samples 2. realize the sampling campaign(s) 3. analyze results
Required skills	<ul style="list-style-type: none"> • positive attitude towards experimental work
Location	EPFL campus and Chamberonne catchment, Lausanne (CH)
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