



A Master in sciences and technology and complex systems in geosciences and other fields

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The Master “Management and water treatment, grounds and waste” (GTESD, <http://www.agroparistech.fr/Master-ParisTech-Gestion-et>) of ParisTech (Paris Institute of Technology, <http://www.paristech.org/en>, which brings together eleven of the foremost French institutes of education and research) aims to give to students a solid and broad scientific training:

- to understand the dynamics of geosystems (water, ground),
- to evaluate the impacts generated by the human activities, and
- and to implement the tools, techniques and devices to correct these impacts.

To achieve this goal, students have to follow courses in geosciences (geology, pedology, hydrology), life sciences (biology, ecology, toxicology) analytical chemistry and process engineering, socio-economic (public policy, risk analysis and management) and modeling (physically-based or conceptual). In fact, they have to face complex systems in all these disciplines.

What is at stake for the pedagogical team, and what we would like to discuss on this study case, is how to find an adequate balance between the present know-how solutions and insights on methodologies that are currently in development to better handle these complex systems.