


## THYMALLUS: Restoration of grayling populations in Switzerland: development of guidelines for sustainable management and conservation based on an original combination of both genetic and ecological approaches.

Type de projet	Recherche appliquée et Développement	
Responsable projet	Franck Cattaneo, Dr. (Pr. HES)	
Adresse Contact	hepia 150 route de Presinge CH-1254 JUSSY/GENÈVE franck.cattaneo@hesge.ch tel: +41 (0)22 546 68 46	
Groupe	Ecologie et Ingénierie des Systèmes aquatiques / Prof. Beat OERTLI	
Date	12-01-2009 au 11-30-2011	
Participants hepia	Franck Cattaneo, Dr. & David Grimardias, Dr.	
Partenaires	University Claude Bernard, Lyon I, France – Henri PERSAT University Karl Franzen, Graz, Austria – Steven WEISS Fishing Federation of Haute-Savoie, France – Arnaud CAUDRON Federal office for the environment (OFEV) – Daniel HEFTI Department of Security and Environment of 'Canton de Vaud', Switzerland – Frédéric HOFMANN 'Direction Générale de la Nature et du Paysage', Switzerland – Gottlieb DANDLIKER, Dimitri JAQUET	
Partenaires Financiers	HES-SO (Realtech) Hepia, ITNP (socle) OFEV DGNP Genève Département de la Sécurité et de l'Environnement, Inspection de la Pêche, Canton de Vaud Fédération départementale de pêche 74 (FDPPMA 74)	
Résumé	Face to the decline of grayling ( <i>Thymallus thymallus</i> ) populations in Switzerland, suitable management / conservation measures have to be considered by the qualified authorities. By an innovative approach combining both genetics and ecology, this project aims to improve the diagnostic of populations in order to optimize stocking activities, and to propose restoration measures. A management guideline will be elaborated and spread to managers.	
Mots-clés	Grayling ( <i>Thymallus thymallus</i> ), management / conservation, population dynamics, genetic diversity, limiting factors, indicators, health status / functionality	
Valorisation	- Practical outputs and decision support for managers (network for target populations long-term monitoring ; final synthetic report for managers) - Interactions with scientific community (publications ; presentations in congresses ; organization of a conference on "the grayling and its management") - Valuation in teaching (use of results and methodologies in GN2, GN3 and Master courses ; Master and Bachelor thesis supervision)	