Dr. STÉPHANE GOYETTE

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Personal Data

Date of Birth	**August 8, 1963**
Place of Birth	**Sainte-Rose, City of Laval, Province of Quebec, Canada**
Nationality	**Canadian & French; owner of a "C" Swiss permit**
Marital Status	**Married, 2 children**
Languages	**French and English: read, spoken and written. German (learning phase)**

Experience – Involvement

Research
Numerical climate modelling with GCM, RCM and EBM: prognostic and diagnostic studies. Regional climate sensitivity studies and development of physical parameterisations (*cf.* list of publications). Involvements in Swiss national NCCR – Climate, in former EU-PRUDENCE, in EU-ENSEMBLES projects, and in EU/FP7 ACQWA and enviroGRIDS.

Teaching
Atmospheric sciences in general and climate modelling in particular (*cf.* personal web page).

Workplaces
University of Montreal, University of Quebec in Montreal, Canadian Centre for Climate modelling and analysis (Victoria), Météo France (CNRM, Toulouse), University of Fribourg (Switzerland).

Comp. skill
UNIX, FORTRAN, IDL, GRADS, Microsoft products, *etc.*

Habilitation
April 2008 : Habilitation in climate research (Fribourg, Switzerland).
Ph. D.
November 1995 : Development of a simple regional climate model (Montreal, Canada).

Interests and ongoing research / teaching activities

- **Development of physical parameterisations to improve numerical climate simulations for current and future climate conditions. Analysis of cyclone trajectories to study the impacts of storms (in Western Europe and in Switzerland). Analysis of the evolution of snow pack depth and duration in the Swiss Alps and in the Pyrenees. Coupling of numerical lake model with atmospheric model. Scientific contributions to EU and Swiss projects.**

- **Development of climate models interfaces for students to help learning the basic concepts in climatology is under development with the Centre NTE at the University of Fribourg (*cf.* document in attachments). Development of a numerical climate toolbox. Lectures related to atmospheric and climate sciences.**

- **International scientific collaborations for numerical climate applications (*e.g.*, Sweden: impacts of storms on forest; Belgium: parameterization of wind gust; Spain: simulations of snow pack in the Pyrenees, Canada: lake parameterization, *etc*).**

- **Co-investigator in the project funded by the Swiss National Science Foundation "Quantifying human impact and recent climate change using clastic sediments from lacustrine records in Western Switzerland" (SNSF), PI: Dr S: Girardclos.**

- **Co-convener with Prof. M. Beniston of the session "Climate extremes and impacts" during the EGU General assembly since 2001.**

- **Currently supervising the work of a number of Ph. D. and M. Sc. students.**