

## Elisabeth CHESNEAU

"EVS" (Environment, City, Society) UMR CNRS 5600, CRENAM laboratory  
6 rue Basse des Rives, 42023 Saint-Etienne Cedex 2, France  
Tel : 04 77 42 19 28 – Fax : 04 77 42 19 24  
Elisabeth.Chesneau@univ-st-etienne.fr

**Function** Assistant Professor in Cartography and GIS at the University Jean Monnet of Saint-Etienne, France.  
2006–2007 Temporary Teacher and Researcher in Geography at the University of Technology of Compiègne, Engineering in Urban Systems, France.  
2002–2006 PhD student at COGIT laboratory of French Mapping Agency (IGN), France.

### Academic training

2002–2006 PhD work in Geographic Information Sciences, IGN and University of Marne-la-Vallée, France.  
2001–2002 Postgraduate certificate (DEA) in Geographic Information Sciences, ENSG (school of IGN France) and University of Marne-la-Vallée, France.

### Thematics of research

Specialisation in numerical cartography, particularly in the field of risks, according to three dimensions: cognition, usability and technique. The aim is at improving the efficiency of cartographic portrayals and at facilitating their usability. A first work concerns an experimental analysis of the visual perception of map users in concrete procedures of risk management. Moreover, in the continuity of her PhD work and in collaboration with the COGIT lab. of IGN France, proposition of a model to automatically improve coloured contrasts in risks maps. It contributes to the development of a module-prototype on "Geoxygene" opensource GIS platform of IGN France.

### Scientific participation and educational supervision

Since 2008 Member of French Cartographic Comity and correspondent of this Comity at "Education and Training" commission and at "Early Warning and Crisis Management" working group of ICA.  
Since 2007 Co-coordinator of "Geovisualisation and spatiotemporal analysis" research group, ISIG platform, "EVS" UMR, France.  
Supervision of students in the management of projects concerning GIS and cartography.  
Since 2006 Member of 'Cartactive' working group of 'MAGIS' research group, France.

### Scientific Production

Chesneau E., Souvignet J., 2009, Evaluation automatique des relations sémantiques dans une carte à partir des couleurs de la légende. In : *Actes du colloque SAGEO'09*, Saint-Mandé, 25-27 novembre, 21 p.  
Chesneau E. 2009, Un processus automatique d'amélioration des contrastes colorés sur les cartes de risques. *Mappemonde* n°96 (4, 2009), 14 p. <http://mappemonde.mgm.fr/num24/articles/art09403.html>  
Chesneau E., 2007, Étude des contrastes de couleur pour améliorer la lisibilité des cartes – application aux cartes de risque. In : Foltête J.-C. (dir.), *Actes des Huitièmes Rencontres de Théo Quant*, Besançon. Article mis en ligne le 25 mars 2008, <http://thema.univ-fcomte.fr/theoq/pdf/2007/TQ2007%20ARTICLE%2061.pdf>.  
Chesneau E. 2007, Improvement of Colour Contrasts in Maps: Application to Risk Maps. In : *Actes de la 10<sup>ème</sup> Conférence Internationale en Science de l'Information Géographique AGILE*, Aalborg, Danemark, 8 au 11 mai 2007, 14 pages. [http://people.plan.aau.dk/~enc/AGILE2007/PDF/32\\_PDF.pdf](http://people.plan.aau.dk/~enc/AGILE2007/PDF/32_PDF.pdf).  
Chesneau E. 2006, *Propositions méthodologiques pour l'amélioration automatique des contrastes de couleur - application aux cartes de risque*. In *Cybergéo*, n°360, 14/11/2006, <http://www.cybergegeo.eu/index2889.html>.

### Distinction

2007 First price of 2007 PhD competition organised by MAGIS (ex SIGMA-Cassini) research group, France.  
2005 Second price of the oral presentation at SAGEO conference, France.