

Dr Céline TSCHIRHART

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Professional positions

- 2015 **Project Coordinator, NGO Actions pour le Développement, l'Éducation et la Recherche (ADER)**, to carry out a participatory health diagnosis with Indigenous communities of French Guiana, starting 28 January, duration 3 months.
- 2011-15 **Post-Doctoral Research Assistant. Royal Holloway, University of London**, Geography Department. Project: COBRA - Local Solutions for Future Challenges: Community Owned Best practice for sustainable Resource Adaptive management in the Guiana Shield, South America (<http://projectcobra.org/>). Funding: European Union (FP7).
- 2011 **Consultant, French Institute of Research for Development (IRD)**, exploratory mission on the health impacts of oil extraction in Ecuador. Project: MONOIL.

Education

- 2004-10 **PhD in Health Geography** at the Université de Strasbourg, Faculty of Geography.
Title: 'Resources, networks and territories: a new geographical approach of mercury contamination along the Río Beni (Bolivia)'
Research Groups: Epidemiology and Prevention (IRD), Complex Geographical Systems (UDS).
Funding: **French Institute of Andean Studies**. Resident in **Bolivia from 2005 to 2008**.
- 2003-04 **Masters 2 of Research in Health Geography** at the Université Paris 10, with Distinction.
Masters thesis: 'Interest and feasibility of a geographical approach to mercury contamination in the River Beni (Bolivia)'.
- 2002-03 **Masters 1 in Human Geography** at the Université de Strasbourg, with Distinction. Masters dissertation: 'Management of resources and nutritional development of young boys in the Niakhar area (Senegal)' - 4 months fieldwork in Senegal.
- 2000-02 Degree in Human Geography at the Université de Strasbourg.

Selected Publications

Published

Peer-reviewed journal articles

Mistry, J., Berardi, A., **Tschirhart**, C., et al., 2014, Indigenous identity and environmental governance in Guyana, South America. *Cultural Geographies*, <http://bit.ly/1D5jxBr>

Tschirhart, C., et al., 2014, 'Las políticas de cambio climático y las prácticas locales sostenibles: una evaluación de sinergias y conflictos en el Escudo Guayanés, América del Sur.' *Red de Desarrollo Sostenible y de Medio Ambiente*, vol.7 (<http://revistavirtual.redesma.org/vol14/articulo9.php?id=c1>)

Mistry, J., **Tschirhart**, C. et al., 2014, 'Our common future? Cross-scalar scenario analysis for social-ecological sustainability of the Guiana Shield, South America'. *Environmental Science and Policy* 44, pp.126-148.

Berardi, A, **Tschirhart**, C, Mistry, et al., 2013, 'From resilience to viability: a case study of indigenous communities of the North Rupununi, Guyana' *EchoGéo*, vol 24.

Tschirhart, C, Handschumacher, P, Laffly, D & Benefice, E 2012, 'Resource Management, Networks and Spatial Contrasts in Human Mercury Contamination along the Rio Beni (Bolivian Amazon)' *Human Ecology*, 40(4), pp.511-523.

Tschirhart, C., 2011, 'La contaminación humana por mercurio: un sistema de determinantes socioespaciales a orillas del río Beni (Amazonía boliviana)' *Bulletin de l'Institut Français d'Études Andines*, 40(3), pp. 561-589.

Book chapter

Tschirhart, C, Handschumacher, P & Laffly, D 2010, 'Pratiques sociales et risque mercuriel des populations riveraines du Río Beni en Amazonie bolivienne', in *Sociétés, Environnements, Santé*. IRD éditions, Marseille, pp. 187-211.

Papers accepted

Berardi, A., Mistry, J., **Tschirhart**, C., et al., Maximising leverage: Managing nested social-ecological systems in the Guiana Shield, South America. *Ecology and Society*.

Mistry, J., Berardi, A., Bignante, E. and **Tschirhart**, C. Between a rock and a hard place: ethical dilemmas of local community facilitators doing participatory projects. *Geoforum*.

Papers in preparation

Tschirhart, C., et al., Learning from one another: the effectiveness of horizontal knowledge exchange for natural resource management and governance. To be submitted end of January 2015, to *Ecology and Society*

Reports

Co-author in three and main author in one **major workpackage reports for project funder** (European Union FP7)

Selected conference papers

- 2014 Tschirhart C., Davis O., What makes a good community owned solution? **7th Annual Ecosystems Services Partnership Conference**, San José (Costa Rica), 8-12 September
- Bignante E., Tschirhart C., Mistry J., Berardi A., Feeling and acting different : reshaping visions of the home and of the self through participatory video. **XVIII ISA World Congress of Sociology**, Yokohama (Japan), 13-19 July
- Berardi A., Mistry J., Tschirhart C., Bignante E., The COBRA project : a community-based approach to public engagement in science. **13th International Public Communication of Science and Technology Conference**, Salvador (Brésil), 5-8 May (http://projectcobra.org/wp-content/uploads/Berardi-et-al_COBRA-Project_PCST20141.pdf)
- 2013 Mistry J., Tschirhart C., Bignante E., Berardi A., 'Performance for PES? The capturing and staging of sustainability within indigenous communities of the North Rupununi, Guyana', **In the Balance: Indigeneity, Performance, Globalisation**, London (UK), 24-27 October
- Berardi A., Tschirhart C., Bignante E., Mistry J., 'Defining indicators with local communities: visual methods as a way of bridging the quantitative/qualitative frontier for addressing the emerging social-ecological crisis?' **Royal Geographical Society (with the Institute of British Geographers) - Annual International Conference**, London, 27-30 August
- 2012 Berardi A., Mistry J., Tschirhart C., 'Local solutions for future challenges: the COBRA project, an innovative framework for the viability of indigenous communities: Participatory hypermedia and community sustainability', **13th Congress of the International Society of Ethnobiology**, Montpellier, France, 20-25 May
- 2011 Tschirhart C., Handschumacher P., Laffly D., Bénédicte E., 'Human Mercury contamination: an indicator of interaction between rural communities and a town along the Río Beni (Bolivian Amazon)', **International Medical Geography Symposium**, Durham (UK), 10-15 July
- 2010 Tschirhart C., Cabezas A. J., 'Del medio ambiente al territorio: la contaminación humana por el mercurio como indicador de relaciones sociedad-espacio en las orillas del Río Beni (Amazonía boliviana)', **5th International Conference - Metallic Contamination: Impact on the Environment, Health and Society**. Oruro (Bolivia) 13-15 October
- 2008 Tschirhart C., Handschumacher P., Bénédicte E., 'Gestion des ressources et malnutrition en Amazonie bolivienne : un risque hétérogène entre potentialités du milieu et pratiques de l'espace', **12th « Journées » of Tropical Geography: current issues and perspectives** Bordeaux (France), 16-18 October

Conference organising

- 2015 **Co-organisation of final project conference** aimed at political stakeholders, Brussels, 21-23 January
- 2014 **Co-organisation of session** at 7th Annual Ecosystems Services Partnership Conference, San José (Costa Rica), 8-12 September
- 2013 **Convening of session** at the RGS-IBG Annual International Conference, London, 27-30 August 2013: 'Natural resources at the centre of conflicting visions? Quantitative/qualitative frontier for consensual environmental management'.
- 2008 **Organisation of (and participation in) a public conference at the Alliance Française in La Paz** (Bolivia, 12 August): *Contaminación por mercurio en el Río Beni: enfoque multidisciplinario*.

Other professional activities

Peer review of manuscripts in:

- Current Opinion in Environmental Sustainability (Elsevier)
- Human Ecology (Springer)
- EchoGéo (<http://echogeo.revues.org/>)

Methodological skills

Quantitative and qualitative methods for collecting data: sampling methods for participant selection; designing and conducting questionnaires, group interviews and individual semi-directed interviews; designing and facilitating participatory workshops, including the use of participatory visual methods.

Quantitative and qualitative data management and analysis: database management software for data entry and coding (Access); conducting descriptive statistics, multivariate statistics on geographical and medical data, Factorial Analysis and Ascending Hierarchical Classification (Statistica, Tanagra); qualitative data analysis (videos and photostories, NVivo); production of maps (Philcarto); finalisation of maps and image processing (Adobe Illustrator et Photoshop); video editing (ULead, MovieMaker).

Public engagement

- 2011-15 **Communication of research to a wide range of audiences:**
- writing of project briefings
 - news items and fieldwork reports for the COBRA project website
 - animating stakeholder forum with representatives of government and non-governmental organisations
 - creating photostories to communicate on fieldwork activities
 - using social media to communicate project activities and findings
 - first author of article in the Guardian's Global Development Professionals Network: "[Development and Indigenous Peoples: creating community-owned solutions](#)"
 - hosting of an "Amazon Room" at the Royal Holloway Science Festival.
- 2009 **Presentation of my research on Canal Géo** (Canal U, University of Toulouse, digital video library for universities), http://www.canal-u.tv/auteurs/tschirhart_celine
- 2007 **Presentation of my research to the Bolivian Ministry of Water Resources:** *Formulación del Programa de Prevención y Mitigación de los Procesos de Contaminación Hídrica*, Ministerio del Agua, La Paz, 18 October

Selected teaching experience

- 2014 **Convenor of MSc session on Participatory Environmental Monitoring.** MSc Practising Sustainable Development, Department of Geography, RHUL. Completing a Programme in **Skills of Teaching to Inspire Learning** at RHUL.
- 2013 **Convenor of MSc session on Community Health.** MSc Practising Sustainable Development, Department of Geography, RHUL

Convenor of MSc session on Environmental Health, MSc Geography of Health, department of Geography, Université Paris Ouest Nanterre La Défense.

2012 **Convenor of two second year undergraduate sessions on Environmental Systems**, Geography Department, RHUL

2010 **Qualified by the French National University Council for the functions of lecturer.**

2006-20011 **Convenor of online Masters courses and lectures on Health Geography in Spanish** (≈18 hour-course), Maestría Geopolítica y Recursos Naturales, Universidad Mayor de San Andrés (La Paz, Bolivia). Two examinations marked and corrected.

2005-2008 **Gave seminars** on research methods and own research project to Masters students, Geography Department, Université de Pau and Université de Strasbourg.

Languages

Trilingual French-English-Spanish; good written and spoken **Portuguese**.