

3D Geomodeller : Publications with Reviews by Pairs **Publications dans des revues à Comité de lecture**

Bellot J.P., Roig J.Y., Truffert C. (2006).

Crustal scale structures and kinematics of syn-orogenic extension: evidence from the Variscan Massif Central (France). *Tectonics*, Submitted.

Bitri A., Truffert C., Bellot J.P., Bouchot V., Ledru P., Milesi J.P., Roig J.Y., 1999.

Imagerie des paléochamps hydrothermaux As-Sb d'échelle crustale et des pièges associés dans la chaîne varisque : sismique réflexion verticale (GéoFrance 3D : Massif central français). *C. r. Acad. Sci., Paris*, 329, 771-777.

Bosch M., Guillen A., Ledru P. (2001).

Lithologic tomography: an application to geophysical data from the Cadomian belt of northern Brittany, France, *Tectonophysics*, 331, 197-227.

Bouchot V., Ledru P., Lerouge C., Lescuyer J.L., Milesi J.P. (2005)

Late Variscan mineralizing systems related to orogenic processes: the French Massif Central. *Ore Geology Reviews*, 27, 169-197.

Calcagno P., Lazarre J., Courrioux G., Ledru P. (2006).

Geometric Modelling of an Orogenic Domain : A Case History From the Western Alps (Massif de Morges Area, Pelvoux), *Tectonophysics*, In press

Chilès J.P., Courrioux G., Deverly F., Renard P. (1993).

3D - Geometric modelling of fault and layers systems using gocad software: example of the Soultz horst (Alsace, France). *Geoinformatics*, 4, 209-218

Courrioux G., Nullans S., Guillen A., Boissonat J.D., Repusseau P., Renaud X., Thibaut M., 2001.

Volumetric modelling of Cadomian terranes (Northern Brittany, France): an automatic method using Voronoi diagrams. *Tectonophysics*, 331, 181-196.

Debeglia N., Martelet G., Perrin J., Truffert C., Ledru P., tourliere B. (2005).

Semi-automated structural analysis of high resolution magnetic and gamma-ray spectrometry airborne surveys. *Journal of Applied Geophysics*, 58, 13-28.

Faure M., Charonnat X., Chauvet A., Chen Y., Talbot J. Y., Martelet G., Courrioux G., Monie P., Milesi J. P. (2001).

Tectonic evolution of the Cévennes para-autochthonous domain of the Hercynian French Massif Central and its bearing on ore deposits formation: *Bulletin Société Géologique de France*, 172, 687-696.

Groupe de Recherche GéoFrance3D (1997).

GéoFrance3D : l'imagerie géologique et géophysique 3D du sous-sol de la France, *Mém. Soc. Géol. France*, 172, 53-71.

Halbwachs Y., Courrioux G., Renaud X., Repusseau P. (1996).

Topological and geometric characterization of fault networks using 3-dimensional generalized maps. *Mathematical Geology*, 28, 625-656. **(Best paper award in Mathematical Geology, by the International Association for Mathematical Geology.)**

- Lajaunie Ch., Courrioux G., Manuel L. (1997).
Foliation fields and 3d cartography in geology: principles of a method based on potential interpolation. *Mathematical Geology*, 29, 571-584.
- Ledru P. (2001).
The Cadomian crust of Brittany (France): 3D imagery from multisource data (GeoFrance 3D). *Tectonophysics*, 331, ix-xi.
- Marquer D., Calcagno Ph., Barfety J. C., Baudin T. (2006).
3D Modeling and Kinematics of the External Zone of the French Western Alps (Belledonne and Grand Châtelard Massifs, Maurienne Valley, Savoie), *Tectonophysics*, in press.
- Martelet G., Calcagno P., Gumiaux C., Truffert C., Bitri A., Gapais D., Brun J.P. (2004).
Integrated 3D geophysical modelling of the Hercynian Suture Zone in the Champtoceaux area (south Brittany, France), *Tectonophysics*, 382, 117-128,
- Maxelon M., Mancktelow N.S. (2005).
Three-dimensional geometry and tectonostratigraphy of the Pennine zone, Central Alps, Switzerland and Northern Italy. *Earth-Science Reviews*, 71, 171-227.
- Milesi J.P., Bouchot V., Ledru P. (1997).
Cartographie et métallogénie 3D du Massif central français (Programme national GéoFrance 3D). *Chronique de la Recherche Minière*, 528, 3-12.
- Renard, Ph., Courrioux, G. (1994).
Three-dimensional Geometric modeling of a faulted domain : The Soultz horst example (Alsace,France). *Computers & Geosciences*, 20, 1379-1390.
- Roig J.-Y., Calcagno P., Bouchot V., Maluski H., Faure M., Équipe GéoFrance3D (1997).
"Cartographie et Métallogénie du Massif Central", Modélisation 3D du paléochamp Hydrothermal As + Au (330-300 Ma) le long de la Faille d'Argentat (Massif Central français), *Chron. Rech. min.*, 528, 63-69.
- Strzeczynski P., Guillot S., Courrioux G., Ledru P. (2005).
Modélisation géométrique 3D des granites Stéphaniens du massif du Pelvoux (Alpes, France). *C. R. Géosciences*, 337, 1284-1292.
- Sue C., Calcagno P., Courrioux G., Tricart P., Fréchet J., Thouvenot F. (2006).
Relationship between inherited crustal structures and seismicity in the internal western Alps inferred from 3D modelling, *Tectonophysics*, In press.
- Talbot J.Y., Martelet G., Courrioux G., Chen Y., Faure M. (2004).
Extensional emplacement of Mont-Lozère pluton (SE France) inferred from integrated AMS and gravity studies. *Journal of Structural Geology*, 206, 3-4, 11-28.
- Truffert, C., Egal, E., LeGoff, E., Courrioux, G., and Guennoc, P. (2001).
Determining standard geometry through 2.5D gravimetric modelling: example of the cadomian active margin of northern Brittany. *Tectonophysics*, 331, 81-97.