

- Martin Lemay, Jean-Louis Grimaud, Isabelle Cojan, Jacques Rivoirard, Fabien Ors, and Lemay Martin. Submarine channel stacking patterns controlled by the autogenic 3D kinematics of meander bends. *The Geological Society, London, Special Publications*, 540(1), April 2024. doi: 10.1144/SP540-2022-143. URL <https://hal.science/hal-04082222>.
- Jean-Louis Grimaud, Fabien Ors, Martin Lemay, Isabelle Cojan, and Jacques Rivoirard. Preservation and Completeness of Fluvial Meandering Deposits Influenced by Channel Motions and Overbank Sedimentation. *Journal of Geophysical Research: Earth Surface*, 127(5), 2022. doi: 10.1029/2021JF006435. URL <https://hal.science/hal-03673253>.
- Lemay Martin, Jean-Louis Grimaud, Isabelle Cojan, Jacques Rivoirard, and Fabien Ors. Transposition of a Process-Based Model, Flumy: from Meandering Fluvial Systems to Channelized Turbidite Systems. In *AGU Fall Meeting 2017*, New Orleans, United States, December 2017. URL <https://minesparis-psl.hal.science/hal-01848080>.
- Anna Bubnova, Jacques Rivoirard, Isabelle Cojan, and Fabien Ors. Automatic Determination of Sedimentary Units from Well Data. In *EAGE 2017*, Paris, France, 2017. URL <https://minesparis-psl.hal.science/hal-01775181>.
- Agnès Rivière, Mathias Maillot, Pierre Weill, Patrick Goblet, and Fabien Ors. Impact of sedimentary heterogeneities and sinuosity on river-aquifer exchanges in a meandering alluvial plain. In *AGU Fall Meeting*, San Francisco, United States, December 2015. doi: 10.13140/RG.2.1.3124.5840. URL <https://hal.science/hal-01397641>.
- Pierre Weill, Isabelle Cojan, Fabien Ors, and Jacques Rivoirard. Modélisation de réservoirs chenalisés méandriformes (FLUMY) : Approche couplée processus/stochastique et conditionnement aux données de puits. In *14ème congrès français de sédimentologie*, page 412, Paris, France, November 2013a. URL <https://minesparis-psl.hal.science/hal-00913317>.
- Pierre Weill, Isabelle Cojan, Fabien Ors, Hélène Beucher, and Jacques Rivoirard. Modélisation numérique de réservoirs fluviaux méandriformes - FLUMY et le bassin Miocène de Loranca (Espagne). In *14ème congrès français de sédimentologie*, page 411, Paris, France, November 2013b. URL <https://minesparis-psl.hal.science/hal-00913338>.
- Pierre Weill, Isabelle Cojan, Hélène Beucher, Jacques Rivoirard, and Fabien Ors. Process-based modelling for a finer characterization of meandering fluvial reservoir heterogeneities: FLUMY and the Miocene Loranca Basin. In *10th International Conference on Fluvial Sedimentology*, pages 446–447, Leeds, United Kingdom, July 2013c. URL <https://minesparis-psl.hal.science/hal-00847699>.
- Pierre Weill, Isabelle Cojan, Fabien Ors, and Jacques Rivoirard. Modélisation des hétérogénéités sédimentaires dans les plaines alluviales de rivières méandriformes. In *Morphodynamique et transport solide en rivière : du terrain aux modèles*, page 22, Tours, France, October 2012. URL <https://minesparis-psl.hal.science/hal-00779482>.
- Isabelle Cojan, Jacques Rivoirard, Fabien Ors, and Didier Renard. New Method for an Easy Use of Stochastic Process-Based Models Such as Flumy to Reproduce a Fluvial Meandering Reservoir. In *73rd EAGE Conference*, pages WSP–10, Vienne, Austria, May 2011. URL <https://minesparis-psl.hal.science/hal-00599180>.
- Cedric Beudelot, Florent Tournier, Sébastien Laratte, Mohammed Skander Bernard, Christophe Rigollet, Isabelle Cojan, Jacques Rivoirard, and François Geffroy. Modélisation des systèmes fluviaux tertiaires du Bassin de Loranca (Espagne), à partir du logiciel FLUMY. In *21ème Réunion des Sciences de la Terre*, page 128, Dijon, France, December 2006. URL <https://minesparis-psl.hal.science/hal-00586433>.

Isabelle Cojan, Jacques Rivoirard, Fabien Ors, and Didier Renard. Evaluation of key parameters for reproducing a fluvial meandering reservoir using FLUMY, a stochastic process-based model. In *18th International Sedimentological Congress - Mendoza, Argentina, 2010*, page 252, Mendoza, Argentina, September 2006a. URL <https://minesparis-psl.hal.science/hal-00586576>.

Isabelle Cojan, Cedric Beaudelot, François Geffroy, Sébastien Laratte, Christophe Rigollet, and Jacques Rivoirard. Process-based and stochastic modeling of fluvial meandering system. From model to field case study: example of the Loranca Miocene succession (Spain). In *17th International Sedimentological Congress*, page p. 222, Fukuoka, Japan, August 2006b. IAS. URL <https://minesparis-psl.hal.science/hal-00586434>.

Lemay Martin, Isabelle Cojan, Fabien Ors, and Jacques Rivoirard. *Potential of FLUMY, a Meandering Fluvial Process-based Model, to Simulate Submarine Channels*. Second Conference on Forward Modelling of Sedimentary Systems. April 2016. doi: 10.3997/2214-4609.201600383. URL <https://minesparis-psl.hal.science/hal-01313232>.

*Dynamic Modelling of Meandering Fluvial Systems at the Reservoir Scale, FLUMY Software*, Second Conference on Forward Modelling of Sedimentary Systems, Trondheim, Norway, April 2016. EAGE. doi: 10.3997/2214-4609.201600370. URL <https://minesparis-psl.hal.science/hal-01313228>.

Alan Troncoso. *Conditional simulations of reservoir models using Sequential Monte-Carlo methods*. Theses, Université Paris sciences et lettres, September 2022. URL <https://pastel.hal.science/tel-04077499>.

Martin Lemay. *Transposition à l'environnement turbiditique chenalisé d'un modèle de systèmes fluviaux méandriiformes pour la modélisation de réservoirs*. Theses, Université Paris sciences et lettres, December 2018. URL <https://pastel.hal.science/tel-03118435>.

Anna Bubnova. *On the conditioning of process-based channelized meandering reservoir models on well data*. Theses, Université Paris sciences et lettres, December 2018. URL <https://pastel.hal.science/tel-02173727>.

Benjamin Grappe. *Modèles d'écoulement à surface libre pour la simulation à long terme de la migration des systèmes méandriiformes*. Theses, Ecole Nationale Supérieure des Mines de Paris, March 2014. URL <https://pastel.hal.science/pastel-01038004>.