

## **Peer-Reviewed publications :**

### **Published:**

**A. van Welden**, C. Beck, J-L. Reyss, S. Bushati, R. Koci, F. Jouanne & J-L Mugnier (2008). The last 500 yr of sedimentation in Shkodra Lake (Albania/Montenegro): paleoenvironmental evolution and potential for paleoseismicity studies. *Journal of Paleolimnology* 40(2):619-633 [DOI: 10.1007/s10933-007-9186-y](https://doi.org/10.1007/s10933-007-9186-y).

F.A. Audemard, C. Beck, J. Moernaut, K. De Ryker, M. De Batist, J.Sánchez, M. González, C. Sánchez, W. Versteeg, G. Malavé, M. Schmitz, **A. van Welden**, E. Carrillo & A. Lemus (2007). The underwater depression of Guaracayal, Estado Sucre, Venezuela: a barrier to the propagation of the cosiesmic break along the el Pilar Fault/ La depresión de Guaracayal, estado Sucre, Venezuela: Una cuenca en tracción que funciona como barrera para la propagación de la ruptura cosísmica. *Interciencia* 32(11):735-741.

**A. van Welden**, V. Bout-Roumazeilles, S. Berné & C. Gorini (2004). High resolution of terrigenous input in the Gulf of Lions during the last glacial period: characterization or rapide climatic events. *Soc. Geol. Nord* 2pp.

### **In correction:**

C. Beck, F. Audemard, J. Moernaut, M. de Batist, **A. van Welden**, M. van Daele, K. de Rycker, J. Sanchez, W. Versteeg, F. Jouanne, E. Carrillo, G. Malavé (2008) Late Quaternary sedimentation upon the El Pilar Fault system (north eastern Venezuela): first results of a high resolution seismic survey in the Cariaco Gulf. *Marine Geology*.

C. Beck, F. Audemard, E. Carrillo, **A. van Welden**. Densifying and reinforcing regional paleoseismic data with lacustrine sedimentary archive : an example along the Bocono Fault (Northwestern Venezuela) (2008). *Quaternary Science Reviews*.

### **Submitted:**

R. Sulpizio, **A. van Welden**, B. Caron & G. Zanchetta (2008) Submitted. The Holocene tephrostratigraphic record of Shkodra Lake (Albania and Montenegro). *Journal of Quaternary Science*.

### **Seminars, communication, posters**

"*The last 5000 years of environmental history at Shkodra Lake*". 2008i. L. Sadori, G. Zanchetta, M. Giardini, **A. van Welden**. **12<sup>th</sup> International Palynological Congress**, Germany.

"*Reconstruction of sea/lake-level changes in an active strike-slip basin (Gulf of Cariaco, NE Venezuela)*" 2008h. M. Van Daele, F. Audemard, C. Beck, M. De Batist, **A. van Welden**, J. Moernaut & the Guaiqueri II 2006 Shipboard Party. **33<sup>rd</sup> International Geological Congress**. Norway.

"*A multiproxy record of the last 5000 yr from Shkodra Lake (Albania/Montenegro Border)*" 2008g **A. van Welden**, G. Zanchetta et al. **ESF MedClivar Workshop on "Oxygen Isotopes as tracers of Mediterranean climate variability: past, present, future"**, Italy.

"*First results of a high resolution reflection seismic survey of the Central Northern Venezuelan Shelf*". 2008f. J. Avila, **A. van Welden**, F. Audemard, M. De Batist, C. Beck and The Guaiqueri II Shipboard party. **Eos Trans. AGU, 89(23), Jt. Assem. Suppl., Abstract NS31B-05**. USA.

"*Reconstruction of sea/lake-level changes in an active strike-slip basin (Gulf of Cariaco, NE Venezuela)*". 2008e. M. Van Daele, F. Audemard, C. Beck, M. De Batist, **A. van Welden**, J. Moernaut & the Guaiqueri II 2006 Shipboard Party. **Eos Trans. AGU, 89(23), Jt. Assem. Suppl., Abstract PP31A-02**. USA.

**Seminar** NGU april 2008d; Norway.

« *Holocene paleoenvironmental recording in large shallow lakes: the Shkdora (Albanie/Monténégro) case* ». 2008c. **A. van Welden** Jean-Louis Reyss, Christian Beck, Roberto Sulpizio, Salvatore Bushati, Rexhep Koci, François Jouanne, Jean-Louis Mugnier. **Geophysical Research Abstracts, Vol. 10, EGU2008-A-09658**. Austria.

« *Expressions sédimentaires imbriquées de la sismicité et de changements environnementaux. Comparaisons entre le Golfe de Corinthe et le Lac de Shkdora (Albanie/Monténégro)* » (*Imbricated sedimentary signatures of earthquake activity and environmental changes. Comparisons between the Gulf of Cariaco and the Shkodra Lake*). 2008b. A. van Welden, **seminar** Univ. Bordeaux 1. France.

« *Expressions sédimentaires imbriquées de la sismicité et de changements environnementaux. Comparaisons entre le Golfe de Corinthe et le Lac de Shkdora (Albanie/Monténégro)* »

*(Imbricated sedimentary signatures of earthquake activity and environmental changes. Comparisons between the Gulf of Cariaco and the Shkodra Lake).* 2008a. A. van Welden **seminar** Univ. Paris XII Orsay. France.

«21,000 years of sedimentation in the Gulf of Corinth: Impacts of seismo-tectonics and eustatism on deep sedimentation». 2007g. **A. van Welden**, C. Beck, E. Moreno, J-Y Reynaud, I. Moretti. **11<sup>th</sup> French Sedimentologists Association Congress**. France.

«Late Pleistocene-Holocene sedimentation along the South-Eastern Carabbean plate boundary: deltaic construction upon the El Pilar Strike-slip fault» 2007f. C. Beck, F. Audemard, M. De Batist, **A. van Welden**, J. Moernaut, K. De Rycker, J. Sanchez, W. Versteeg, G. Malavé, A. Lemus. **11<sup>th</sup> French Sedimentologists Association Congress**. France.

«Use of intra-mountain lakes for paleoseismic investigations: case studies along the Boconó Fault (Venezuela)» 2007e. C. Beck, E. Carrillo, F.A. Audemard, R. Ollarves & **A. van Welden**. **4<sup>th</sup> ILIC congress** Spain.

«Holocene sedimentation in active tectonic contexts: the Shkodra Lake (Northern Albania) case» 2007d. **A. van Welden**, C. Beck, J-L. Reyss, E. Moreno, R. Sulpizio, E. Carrillo & R. Koci. **4<sup>th</sup> ILIC congress** Spain.

«Contrôles climatique et tectonique du remplissage Quaternaire récent du Golfe de Cariaco : résultats préliminaires d'une campagne de sismique-réflexion à haute résolution» (*Climatic and tectonic controls on Late Quaternary filling of Cariaco's Gulf: preliminary results of a HR reflection seismics campaign*). 2007c. **A. van Welden**, C. Beck, M. van Daele, F.A. Audemard, J. Moernaut & Marc de Batist. **Paleoceanographic Days 2007**, Paris. France.

«21 000 ans de sédimentation dans le Golfe de Corinthe : impacts de la tectonique et de l'eustatisme sur la sédimentation profonde» (*21,000 years of sedimentation in Gulf of Corinth: impacts of tectonics and eustatism on deep sedimentation*). 2007b. **A. van Welden**, C. Beck & E. Moreno. **Paleoceanographic Days 2007**. Paris, France.

«Late Quaternary spatial and temporal distribution of faulting within the El Pilar fault system (North Eastern Venezuela): preliminary results of a high resolution seismic survey in the Cariaco gulf» 2007a. C. Beck, F.A. Audemard, J. Moernaut, **A. van Welden**, K. De Rycker, M. De Batist, J. Sanchez, W. Versteeg, G. Malavé ans A. Lemus. **In: "Blind dip-slip faulting and stain partitionning in active orogen: the Merida Andes case, Venezuela" international workshop**. Venezuela.

«Late Quaternary sedimentation upon the El Pilar active fault zone: preliminary results of a high resolution seismic reflection survey of the Cariaco Gulf, north-eastern Venezuela.» 2006c. C. Beck, F. A. Audemard, J. Moernaut, M. De Batist, K. De Rycker, J. Sanchez, W. Versteeg, **A. van Welden**, Eduardo Carrillo, Andrés Lemus, Gustavo Malavé. **21<sup>ST</sup> RST meeting**, Fance.

«¿Qué segmenta sismogénicamente la falla de El Pilar en el golfo de Cariaco, en Venezuela oriental?» (*Which seismogenic segmentation of El Pilar fault in Gulf of Cariaco, East*

Venezuela) 2006b. F.A. Audemard, C. Beck, J. Moernaut, K. De Ryker, M. De Batist, J.Sánchez, M. González, C. Sánchez, W. Versteeg, G. Malavé, M. Schmitz, **A. van Welden**, E. Carrillo, A. Lemus. **VIII Congreso Venezolano de Sismología e Ingeniería Sísmica**. Venezuela.

«*Sedimentary record of major historical earthquakes in the Shkodra Lake (Northern Albania) : possible evidences from textural and radionuclides ( $^{210}\text{Pb}$ ,  $^{137}\text{Cs}$ ) profiles*». 2006a. **A. van Welden**, C. Beck, J-L Reyss, E. Carrillo, S. Bushati, R. Koci, R. Ollarves, F. Jouanne, J-L Mugnier. **Geophysical Research Abstract vol. 8. EGU2006-A-08324**. Austria.

«*Modalités de l'enregistrement sédimentaire des séismes : comparaisons préliminaires entre la Mer de Marmara, le Golfe de Corinthe et le Lac de Shkodra* » (*Modality of sedimentary record of earthquakes: preliminary comparison between Sea of Marmara, Gulf of Corinth and Shkodra Lake*). 2005a. **A. van Welden**, C. Beck, E. Moreno, B. Henry, J-Y. Reynaud, I. Moretti, E. Carrillo, F. Jouanne, R. Ollarves, S. Bushati, J-L. Mugnier, R. Koci & J-L Reyss. **10<sup>th</sup> French Sedimentologists Association congress**. France.

«*Enregistrement sédimentaire de la sismicité Holocène dans le Lac de Shkodra, Albanie. Résultats préliminaires* » (*Sedimentary record of Holocene seismicity in Shkodra Lake, Albania. Preliminary results*). 2005b. C. Beck, **A. van Welden**, E. Carrillo, F. Jouanne, S. Bushati, J-L Mugnier, R. Koci, J-L Reyss. **10<sup>th</sup> French Sedimentologists Association congress**. France.

«*Etude haute résolution des apports sédimentaires dans le Golfe du Lion entre 35 et 14 ka cal. BP, implications paléo-environnementales* » (*High resolution study of the sedimentary input in the Gulf of Lions between 35 and 14 cal kyr BP*). 2005c. **A. van Welden**, V. Bout-Roumazeilles, S. Berné, F.J Sierro, C. Gorini. **10<sup>th</sup> French Sedimentologist Association congress**, France.

«*Variations haute résolution des apports dans le golfe du Lion au cours du dernier Cycle Glaciaire* » (*High resolution variations of sedimentary inputs in Gulf of Lions during the last glacial cycle*). 2004b. **A. van Welden**, V. Bout-Roumazeilles, S. Berné, C. Gorini. **Réunion du GDR Golfe du Lion**. TOTAL. France.

«*Variations haute résolution des apports terrigènes dans le Golfe du Lion pendant la dernière Période Glaciaire : caractérisation des évènements climatiques rapides* » (*High resolution variations of terrigenous input in the Gulf of Lions during the last glacial period: characterization fo rapid climatic events*). 2004a. **A. van Welden**, V. Bout-Roumazeilles, S. Berné, C. Gorini. **Annual meeting of URM 17**. SHOM, France.