

Sierd A.P.L. CLOETINGH

Professor

Utrecht University, Faculty of Geosciences
PO Box 80.021, 3508TA Utrecht
The Netherlands

ph: +31 30 2537314 (office)

em: sierd.cloetingh@uu.nl

web: <http://www.uu.nl/staff/SAPLCloetingh>



Sierd Cloetingh is Distinguished University Professor at Utrecht University. He published more than 330 papers in international peer-reviewed journals and has been promotor of more than 70 PhD students of 14 different nationalities. He served the Earth Science community in various functions, including Presidency of the European Geophysical Society. Currently he is President of the International Lithosphere Programme, Editor-in-Chief of the International Journal "Global and Planetary Change", and Chairman of the collaborative research programme TOPO-EUROPE. He was elected member of Academia Europaea in 1994 and served Academia Europaea as Chair of the Earth and Marine and Earth and Cosmic Sciences Sections. In 2008 he was elected by the Council as Vice-President of Academia Europaea, and 2014 was elected as President. He was a member of the Scientific Council of the ERC from 2009-2015.

Research interests

Solid earth geophysics, tectonics, intraplate deformation, lithospheric dynamics, sedimentary basin evolution, sea level change.

Selected publications:

- Cloetingh, S. and Haq, B. 2015. Inherited Landscapes and Sea Level Change. *Science* 347. 1258375 (2015). DOI: 10.1126/science.1258375.
- Cloetingh, S., Burov, E.B., Francois, T., 2013. Thermo-mechanical controls on intraplate deformation and the role of plume – folding interactions in continental topography. *Gondwana Research* 24, 815-837.
- Cloetingh S. and Burov E.B., 2011. Lithospheric folding and sedimentary basin evolution: a review and analysis of formation mechanisms. *Basin Research*, 23, 2570-290.
- Cloetingh S., Wees van J.-D., Ziegler P., Lenkey L., Beekman F., Tesauro M., Förster A., Norden B., Kaban M., Hardebol N., Bonté D., Genter A., Guillou-Frottier L., Voorde ter M., Sokoutis D., Willingham E., Cornu T., Worum G., 2010. Lithosphere tectonics and thermo-mechanical properties: an integrated modelling approach for Enhanced Geothermal Systems exploration in Europe. *Earth Science Reviews*, v. 102, p. 159-206, 10.1016/j.earscirev.2010.05.003.
- Burov E.B. and Cloetingh S., 2009. Controls of mantle plumes and lithospheric folding on modes of intra-plate continental tectonics: differences and similarities, *Geophysical Journal International*, v. 178, p. 1691-1722.
- Cloetingh S., Beekman F., Ziegler P.A., Wees van J.-D., Sokoutis D., 2008. Post-rift compressional reactivation potential of passive margins and extensional basins. *Geological Society, London, Special Publications*, v. 306, p. 27-70.
- Tesauro M., Kaban M., Cloetingh S., 2008. EuCRUST-07: A new reference model for the European crust. *Geophysical Research Letters*, v. 35: L05313, doi:10.1029/2007GL032244.
- Cloetingh, S., Ziegler, P.A., & TOPO-EUROPE Team, 2007. TOPO-EUROPE: the geoscience of coupled deep Earth - surface processes. *Global and Planetary Change*, v. 58, p. 1-118.