



## CURRICULUM VITAE

**Eric Gillot**

Name and First Name

Gillot Eric

Date of Birth

November 10<sup>th</sup>, 1958

Place of Birth

Dijon (Côte d'Or - France)

Nationality

French

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Education and Training

1976 – Baccalauréat - A levels - General Certificate of Education.

1980 - Masters degree, levels of sedimentology, paleontology, structural geology, marine geology, geophysical prospecting, statistical methods, stratigraphy, petrology, mineralogy, human paleontology and prehistory.

1981-1983 - Doctorate in sedimentology: "The Celtic margin during Cretaceous times from the *Deep Sea Drilling Project* - International phase of Drilling Ocean 1 Leg 80 (NE Atlantic)". This study was directed by Professors P Rat (Burgundy University) and P.C. de Graciansky (Paris school of Mines)

1996 - Borehole logging and interpretation session of the Geophysical Postgraduate Specialization at ParisVI University

1980 - Computer programming degree. (Dijon). Skills: Unix, Canvas, ERMapper, ArcMap, QGIS.

Languages

English, Spanish, (German).

Professional Experience

Between 1979 and 1983:

- Drilling and geotechnical testing (GEOTEC 1979).
- Hydrogeology of Bèze river (CPGF 1980).
- Radiometry and cartography (COGEMA 1980).
- Statistical studies on mining domains (SNEA (P) 1981).

1988-1989 - Manager of a road black top products factory and responsible of the associated QC analysis laboratory - Public works (SETEC).

1985-1988 & 1989-2019 - Compagnie Générale de Géophysique

From 2019 – Consultant in Geoscience. EGeo Services SAS

## Experience at Compagnie Générale de Géophysique, now CGG

- 2014 – 2019      Technical S&M manager for Land Acquisition BL worldwide.
- 2012 - 2014      S&M manager for Land Acquisition BL in Europa and Africa.
- 2008 - 2015      Project manager for Land Acquisition BL in Spain.
- 2006 - 2007      Senior technical manager for mining.
- 1998 - 2005      Area geophysicist and technical supervisor for land and shallow water seismic crews in Europa, Africa and Middle East: I assume designs, pre-plannings, and draw up the technical answer of tenders. I am in charge of field crews assistance and quality procedures set up.
- 1994 - 1997      Product manager for High Resolution seismic and borehole logging crews (non-hydrocarbon sector in Europe).  
Development of pseudo-3D acquisition techniques in the Alps and integrated interpretation using borehole seismic and logging. Application to civil engineering (Distrigaz, French railways, Alpetunnel, CETE...), mines and hydrothermal surveys (Chaîne Thermale du Soleil, Antea...).  
Conception and pre-planning of 3D seismic surveys with Geoland® software (ANDRA, COPAREX...).  
Interpretation of integrated 2D and 3D seismic surveys (IntegralPlus® and DLPS).
- 1990 - 1993      I supervised High Resolution seismic and borehole logging crews for non-hydrocarbon sector in Europe.  
Training for seismic processing with Geovecteur®  
I processed and interpreted in-seam coal seismic surveys and gravity surveys.
- 1985 - 1988      Manager of a field seismic crew using High Resolution *pop-shot* method operating in Spain, France, Niger...  
Interpretation of Mining surveys (refractions seismic) and hydrogeological surveys (DC sounding) in France and Morocco.  
Magnetotelluric Survey in Botswana and its interpretation (Nkojane-Nosop).  
Party chief, geophysicist in charge of field operations management for hydrogeological studies in Morocco and Djibouti including geochemistry and hydrogeology.
- Referees      Excellent references available upon request

## Publications

- GILLOT E. 1981  
Un échantillonnage du Crétacé inférieur cantabrique, sa place par rapport au golfe de Gascogne.  
[D.E.A Université de Dijon, inédit, 50p.](#)
- GILLOT E. 1983  
La marge celtique au Crétacé d'après la campagne 80 du *Deep Sea Drilling Project - International phase of Drilling Ocean 1* (Atlantique NE).  
[Thèses de troisième cycle, Université de Dijon, inédit, 198p.](#)
- GILLOT E. , LAURIN B. , PASCAL A. 1984  
Caractérisation d'un système biosédimentaire par traitement statistique multivarié de données géochimiques et minéralogiques (campagne 80 du DSDP IPOD 1, site 549).  
[C.R. Acad. Sci., Paris, T.299, série II, n°3, p.129-132.](#)
- GILLOT E. 1984  
Signification des glauconies diffuses et granulaires sur la marge celtique au Crétacé (campagne 80 du DSDP IPOD 1, sites 549 et 550). Cas de glauconitisation profonde.  
[5<sup>e</sup> congrès européen de sédimentologie, Marseille.](#)
- GILLOT E. 1984  
Caractérisation d'un dispositif biosédimentaire par ses paragenèses argileuses et ses données géochimiques traitées par analyses factorielles.  
[5<sup>e</sup> congrès européen de sédimentologie, Marseille.](#)
- BERNARD P. , DEMONFAUCON A. , GILLOT E. , MENOT J.C. 1984  
Arrêts de sédimentation dans le Kimméridgien inférieur bourguignon: niveaux à galets verdis et perforés.  
[5<sup>e</sup> congrès européen de sédimentologie, Marseille.](#)
- RAT P. , GILLOT E. , MAGNIEZ F. , PASCAL A. 1984  
Paleoenvironmental study of Barremian-Albian sediments at DSDP site 549 in the Eastern North Atlantic.  
[Initial Reports of Deep Sea Drilling Project, vol. 80, p.905-925. Washington \(US Govt. Printing Office\).](#)
- GRACIANSKY P.C. (de), GILLOT E. 1984  
Sedimentological study of Mid-Cretaceous limestones at sites 549 and 550. North East Atlantic.  
[Initial Reports of Deep Sea Drilling Project, vol. 80, p.885-897. Washington \(US Govt. Printing Office\).](#)
- GILLOT E. , MAGNIEZ F. , PASCAL A. , RAT P. 1984  
Peuplements et critères sédimentologiques d'environnement dans l'interprétation d'une séquence transgressive à partir du Barrémien du sondage DSDP, Leg 80, site 549 (Atlantique NE).  
[Bulletin de la Société Géologique de France, \(7\), t.XXVI, n°5, p.1349-1356.](#)
- GILLOT E. 1991  
La prospection géophysique par sismique réflexion Haute Résolution; acquisition, traitement, interprétation, exemples.  
[Document interne C.G.G. version française, anglaise et espagnole, 73 p. 41 fig.](#)
- VATHAIRE J.C. , GILLOT E. , CLEMENT G. 1992

Apport de la sismique réflexion HR à la connaissance de la fenêtre de Barcelonette (Alpes du Sud).  
UNESCO, GPF - PARIS, Avril 1992.

LALIEUX Ph. , MANFROY P. , DUSARD M. , GILLOT E. 1992  
Tests de sismique réflexion préparatoires aux campagnes de reconnaissance de haute définition de la couche d'argile de Boom prévues dans le N.E. de la Belgique.  
[Congrès IAEA/CCE/NEA, Antwerpen, 19-23 Octobre 1992.](#)

LACOMBE P, RENOUX P, GILLOT E. 1995  
Ligne à Grande Vitesse Lyon-Turin: reconnaissances par diagraphies et géophysique de forage  
[Colloque "Diagraphie et géophysique de forage \(applications à la subsurface\)" - AGAP - UFG - SGF](#)

GILLOT E. 1996  
Sismique réflexion haute résolution et géophysique de puits appliqués au génie civil - Tunnel du Faraut - A51 - France Isère.  
[2<sup>ème</sup> Congrès Environmental and Engineering Geophysical Society - European Section - Nantes.](#)

GILLOT E., LACOMBE P, RENOUX P. 1997  
High resolution seismic and VSP for the future railway tunnel through the Alps - Longecôte survey  
[European Association of Geoscientists & Engineers - Genève](#)

GILLOT E., LACOMBE P. 1997  
3D High resolution seismic for the future railway tunnel through the Alps - Saint-Martin survey  
[Geological Commision of Swiss Alptransit \(FKGA\) - Zurich](#)

RENOUX P., GILLOT E., PLAZA J. 1998  
Indentificación y correlación de discontinuidades estructurales y sedimentarias en formaciones arcillosas mediante sísmica de reflexión.  
[Oral presentation for Enresa to the Nuclear European Agency, 8<sup>th</sup> Clay Club Meeting – Brussel](#)

MEUNIER J., GILLOT E. 1999  
Workshop 3D Seismic Surveys : designs, tests and experience  
[Oral presentation for European Association of Geoscientists & Engineers conference - Helsinki](#)

MEUNIER J., POSTEL JJ., DEPEYRAS A., GILLOT E and M. HAYET 2002  
Analysis of slip sweep technique  
[The eighth Tunisian petroleum exploration & production conference - Tunis](#)

ROBINSON S., AUTY J., GILLOT E and DEPEYRAS A. 2002  
Accurate three-dimensional positioning from 2D vibrator DGPS  
[The eighth Tunisian petroleum exploration & production conference - Tunis](#)

LARROQUE M., GILLOT E 2003  
How to obtain High Resolution Seismic?  
[South African Geophysicist Association - 8th Biennial Conference & Exhibition Pilanesberg South Africa](#)

COSS J., DABLAIN M. ROBINSON S., LOADER P., GILLOT E 2003  
Onshore Signal to Noise Enhancement Techniques  
[Workshop convenors at 1<sup>st</sup> north African/Mediterranean Petroleum & Geoscience Conference & Exhibition, Tunis](#)

- JJ. POSTEL, Eric GILLOT and M. LARROQUE 2004  
Review of specifics parameters in High Resolution Seismic  
European Association of Geoscientists & Engineers- 66th Conference and Exhibition, Paris, France
- LARROQUE Michel, GILLOT Eric, HANOT Frank 2005  
Application of geophysics to water exploration  
European Association of Geoscientists & Engineers - 67th Conference & Exhibition, Madrid, Spain
- GILLOT Eric, GIBSON Mark and LAROCHE Stephane 2005  
Application of high resolution 3D seismic to mine planning in platinum shallow mines  
South African Geophysicist Association - 9<sup>th</sup> Biennial Conference & Exhibition - Cape Town, South Africa & FIRST BREAK Mining Geoscience special topic - Volume 23, July 2005
- CARBONELL BERTRÁN Ramón, GILLOT Eric; MARTÍ LINARES David, ARRANZ MARCO Tomás and MAHAMUD MARTINEZ Raul 2005  
Poster - 3D seismic tomography for subsurface tunnel preliminary studies in Barcelona  
South African Geophysicist Association - 9<sup>th</sup> Biennial Conference & Exhibition - Cape Town, South Africa
- REEVES Dave, GIBSON Mark, GILLOT ERIC and DENIS Michel 2006  
3D surface seismic, a tool to help resource evaluation for a PGM mine project  
International Platinum Conference - 'Platinum Surges Ahead' - 8-12 October 2006 - Sun City, South Africa
- PRETORIUS Charles, GIBSON Mark, GILLOT Eric, and DENIS Michel 2009  
MODIKWA – a successful example of a shallow ore-body imaging by surface 3D seismic  
South African Geophysicist Association - 11<sup>th</sup> Biennial Technical Meeting and Exhibition - Mbabane, South Africa.
- HUMPHRIES Mary, PRETORIUS Charles, TROFIMCZYK Kazec and GILLOT Eric 2011  
3D VSP in a Mining Context  
First EAGE Workshop on Borehole Geophysics
- NAVILLE C., ÁSMUNDSSON R., THORHALLSSON S., ASGRIMUR G., KOLLE J. and GILLOT E. 2011  
Downhole seismic sources for Reverse 3D-VSP surveys  
First EAGE Workshop on Borehole Geophysics
- GILLOT Eric 2013  
Shale Science, optimizing shale resource development with the Baker Hughes & CGG alliance  
Unconventional Resources in Africa 2013 Summit - Reserve Estimation Strategy, Technology and Best Practice (21<sup>st</sup> – 23<sup>rd</sup> October 2013, Cape Town, South Africa)
- GILLOT Eric 2016  
Cost-effective onshore geophysical acquisition through operational efficiency and fit-for-purpose deliverables  
PESGB Getting Value From Geophysics Economy, Efficiency and Effectiveness for Low Oil Prices 27<sup>th</sup> & 28<sup>th</sup> September 2016, London UK
- MARTINEZ GARCIA I., SANCHEZ ESPINA A, GILLOT E, COULLAULT SANTURTUN J., VELASCO ISUSI C. , GILLOT E. 2016  
History of geophysical work for potash salt investigation in the Catalan Potassium Basin - ICL Iberia Súria & Sallent  
Near Surface Geoscience, 4-8 September 2016, Barcelona, Spain.

- GILLOT Eric, PONGLUNGCA Arome, MOUNIER Philippe,  
TIMBERLAKE Christian 2017  
3D seismic application for mae moh coal mine development  
[Coal Mining and Utilization for Sustainable Development International Conference \(CM&USD 2017\)](#)  
[22<sup>nd</sup> & 25<sup>th</sup> November 2017, Lampang, Thailand](#)
- GILLOT Eric, 2018  
Keynote Address: Progress in Seismic Imaging of Mineral Deposits  
[Near Surface Geoscience Conference & Exhibition 2018](#)  
[9-12 September 2018, Porto, Portugal](#)
- GILLOT Eric, PONGLUNGCA Arome, MOUNIER Philippe,  
TIMBERLAKE Christian 2018  
3D seismic application for mae moh coal mine development  
[Near Surface Geoscience Conference & Exhibition 2018](#)  
[9-12 September 2018, Porto, Portugal](#)
- GILLOT Eric, COTTON Julien, GOMEZ Cynthia, 2018  
3D seismic high productivity application for geothermal development - Case study in  
suburban environment (Munich Germany)  
[First EAGE/IGA/DGMK Joint Workshop on Deep Geothermal Energy](#)  
[8-9 November 2018, Strasbourg, France](#)
- RICHARD Alexandre, GILLOT Éric, MAURER Vincent, CUENOT Nicolas, 2019  
Upper Rhine graben: the largest exploration by 3D seismic reflection  
[European Geothermal Congress](#)  
[11-14<sup>th</sup> June 2019, The Hague, The Netherlands](#)
- GILLOT Eric,  
Game changing technology in seismic imaging applied to geothermal industry.  
[European Geothermal Congress](#)  
[11-14<sup>th</sup> June 2019, The Hague, The Netherlands](#)
- DROUILLER Yvon, HANOT Franck, GILLOT Eric,  
FERRAN Jean-Charles, LOIC Michel 2019  
3D seismic for design & derisking of dual geothermal boreholes in sedimentary sequences  
[European Geothermal Congress](#)  
[11-14<sup>th</sup> June 2019, The Hague, The Netherlands](#)
- DROUILLER Yvon, HANOT Franck, GILLOT Eric,  
FERRAN Jean-Charles, LOIC Michel 2019  
3D seismic for design & derisking of dual geothermal boreholes in sedimentary sequences and  
new prospects in the Paris basin (Adapted methodology using petroleum industry techniques).  
[Oil & Gas Science and Technology - Rev. IFP Energies nouvelles 74, 32 \(2019\)](#)