

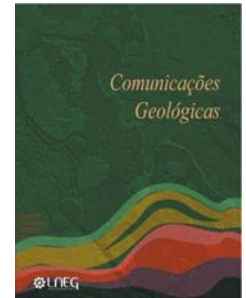
Carlos Inverno, an economic geologist in the service of science

Carlos Inverno, um investigador em geologia económica e aplicada ao serviço da ciência

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Carlos Manuel Clériguinho Inverno (born on 7/3/1953, Lisbon) was awarded degrees of BSc and License in Geology by the Univ. of Lisbon, Portugal, in 1973 and 1975, respectively. Under the supervision of Prof. Richard W. Hutchinson, a PhD in Geology (sp. Geochemistry) by the Colorado School of Mines followed in 1991, which granted equivalence as *Doutor em Geologia (Metalogenia)* by the Univ. of Lisbon in 1992. He was a postdoctoral researcher at the Univ. of Tasmania and its Centre for Ore Deposit Research (CODES) in 2000-2001 (advisor, Prof. Michael Solomon) and earned Tenure (*Agregação*) at the Univ. of Lisbon in 2008.

He worked successively with the Serviço de Fomento Mineiro (Bureau of Mines) and Geological Survey of Portugal, Univ. Lisboa (Assistant and Assistant Professor), Univ. Nova de Lisboa (Invited Professor) and for the last 25 years was a Senior Researcher successively at the Instituto Geológico e Mineiro (IGM), Instituto Nacional de Energia Tecnologia e Inovação (INETI), at the Laboratório Nacional de Energia e Geologia (LNEG) and also at the Centro de Recursos Minerais, Mineralogia e Cristalografia (CREMINER), Faculdade de Ciências, Univ. Lisboa (up to 2011). His main interests have been geological mapping and Sn, W, Au, REE, Li and VMS exploration and metallogenesis, having coordinated/participated in Portuguese- and E.U.- funded projects in these fields. He was co-advisor in 5 PhD, 2 MSc and 1 BSc (Honours)

theses held at Portuguese, United Kingdom and South African universities and 1 post-doctorate at LNEG. He is a prolific scientific writer with approximately 130 peer reviewed publications (over 1/3 as first author) half in Portugal and half abroad.

In the Iberian Pyrite Belt, Carlos Inverno researched various aspects of deposit morphology and metallogeny in the Chança, Aljustrel and Neves-Corvo deposits and also carried out regional geological mapping at Santiago do Cacém and NW Cercal in SE Portugal. In the belt “Neves-Corvo mine-Alcoutim” he coordinated the work undertaken in the FP7-funded PROMINE project that involved geological mapping, and geochemical and geophysical data acquisition. The latter proved a milestone by reaching reflectors at depths of approximately 10 km. He also has significantly contributed to select ed REE, gold, lithium and Sn-W mineralised systems in Portugal.

Carlos Inverno retired in August 2020 and has embarked on a well-earned rest and break from geological issues and will no doubt be missed by his colleagues and peers and continue to be a reference in the fields of metallogenesis of Sn, W, Au, REE, Li and VMS deposits.

We wish him good health, long life and a happy retirement.

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