



Over the past 6 years, AMIRA International with the help of over 100 sponsors (mining companies, government organisations and professional societies) from around the globe has been building the foundations of a community world encyclopaedia of ore deposits through its project *Data Metallogena* (www.datametallogena.com). There is already an impressive amount of material available on the website (over 6 gigabytes), much of it unique, which is being continuously augmented with new material. DM is self-funding but not-for-profit.

Recent news in the life of DM includes:

Thesis Data on DM

Increasing numbers of university PhD theses are being offered to Data Metallogena, and are starting to be loaded as full digital copies – examples to date or coming soon include:

- Textural evolution of the Hellyer Massive Sulphide Deposit (Gary McArthur, 1996)
- Metallogenesis of the Jales Au District, Northern Portugal (Diogo Rosa, 2001)
- Geology and Genesis of the Mammoth Cu Deposit, Mt Isa Inlier, Australia (Darryl Clark, 2003)
- The geology, timing of mineralisation, and genesis of the Menninnie Dam Zn-Pb-Ag Deposit, Eyre Peninsula, South Australia (Mike Roache, 1996) – this intrusive-related deposit is coeval with the Olympic Dam mineralisation event
- Structural and Geochemical Evolution of the Rosario Copper-Molybdenum Porphyry Deposit and Related Copper-Silver Veins, Collahuasi District, Northern Chile (Glen Masterman, 2003)
- The setting, geometry and timing of intrusion-related hydrothermal systems in the vicinity of the Batu Hijau porphyry copper-gold deposit, Sumbawa, Indonesia (Steve Garwin, 2000)
- The Upper Critical and Lower Main Zones of the eastern Bushveld Complex (Charlie Seabrook, 2005)

This development allows much previously largely unavailable primary data to become accessible to exploration geologists and researchers all over the world. The Hellyer thesis, in particular, is a classic study and an early example in the emerging geometallurgy research discipline (the author Gary McArthur, now a consultant petrologist www.modapl.com.au, is currently part of the major new AMIRA International research project P843 *Geometallurgical Mapping and Mine Modelling* being carried out by the CODES Centre of Excellence). We are very grateful to the contributors for allowing their data to be made available to the global community, and urge other students to consider providing their own theses to DM in the future to add value to their hard work.

In the meantime, a separate AMIRA project (P874 *Australian Geoscience Thesis Database*) by Professor Allan White and Dr Amarendra Changkakoti from the University of Melbourne has commenced with the support of 14 sponsors and the contributing university departments – the aim is to develop a complete Australian geoscience thesis database, including short summaries of each thesis related to mineralisation. This neglected data resource will become easily accessed via the Internet, providing a valuable information resource for all exploration and mining companies in Australia, as well as researchers around the world. Access will initially be confined to sponsors only so consider joining up – the cost is surprisingly low.

An early deliverable has been the basic listing of over 9000 theses so far. The database will later be included in DM, and theses from universities in other countries will also be progressively added (one contribution on hand is a complete listing of all theses from the University of Nevada in Reno).

Both new innovations further demonstrate the capability of DM to become a critical and easily accessible repository of valuable technical information for all those associated with the mining industry.

[Click here for further information](#) on P874.

New Gallery, Photograph and Sample Additions

Through generous donations of data by individuals and companies, new data galleries containing numerous maps, sections and field photos continue to be constructed for major deposits such as:

- Noril'sk and Talnakh Ni-Cu mines in Russia
- Sukhoi Log, Nezhdaninskoye and Natalka Au deposits in Siberia
- Donlin Creek Au deposit in Alaska
- Pascua-Lama Au deposit in Chile-Argentina
- Martabe Au deposit in Sumatra
- Muruntau Au mine in Uzbekistan

In addition many high-resolution photographs of individual representative samples from deposits all over the world, including many from South America, have recently been added to DM, making a total of over 6000 available to web subscribers. Detail in these photographs is at superior magnification and clarity to hand lens examination. They supplement the high quality overview photographs of the entire collection of over 60,000 samples from over 3,000 deposits.

New samples continue to arrive and will be photographed and added to DM in due course – recent additions include the giant

Goro nickel laterite deposit in New Caledonia, the Red Dog base metal mine in Alaska and Martabe, a new high-sulphidation gold discovery in Sumatra.

For further information on other recent additions please visit [News Page](#)

DM Out and About

Recently, DM operated a trade show booth with live web demonstrations at the Mineral Exploration Roundup conference in Vancouver, following the generous sponsorship by the Association for Mineral Exploration British Columbia. Many visitors called to talk to us and to participate in the draw for a prize of premium Australian red wine (Penfold's famous *St Henri* shiraz – "poor man's Grange"). Murray McClaren from Pacific Coast Nickel Corporation was our lucky winner selected by Lauren Elliott of AME BC. Shortly after, DM also made an appearance at the Mining Indaba conference in Cape Town in South Africa, with significant additional interest generated.

In mid May DM will again be operating a booth at the important SEG "Wealth Creation in the Minerals Industry" conference at Keystone in Colorado – participants are welcome to visit us at Booth 317.

DM is not-for-profit but must be self-funding. Your support is essential for the continued growth of DM.

Please consider:

- [Becoming a web subscriber](#) or [Becoming a sponsor](#)

Apart from providing the necessary financial support for continued growth, your involvement will give you and your colleagues unlimited access from virtually anywhere in the world to a great and growing unique database of continuous value.

The primary objectives of *Data Metallogenica* are to be:

- A primary web portal for "high-level" information on global ore deposits.
- An information source and rock reference base for experienced geologists, analysts and regulators.
- A training resource for younger geologists in companies.
- An education and research resource for students and teachers at universities.
- A permanent and easily accessible repository of much "fragile" and transient data held by individuals and companies – an ultimate world encyclopaedia of mineral deposits.
- A fast integrated link to detailed and supporting quality data sets elsewhere, including commercial providers, government surveys and university research groups.

We would welcome your individual or corporate support in becoming part of this great enterprise. The cost is surprisingly low at about \$1 – 2 per week per geoscientist.

Please circulate this email to your colleagues and friends.

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Data Metallogenica – building the global encyclopaedia of ore deposits