

# ENAG Newsletter

JANUARY 2012



*The incoming class, designated the "Hubert Curien" class, joins the graduating "Claude Guillemin" class in wishing you a Happy New Year 2012.*

The year begins very auspiciously as all of the non-salaried students in the Guillemin class were offered positions at the end of their internships.

## Marine mineral resources

In late October 2011, ENAG signed an agreement with the French Research Institute for Exploration of the Sea (IFREMER), the French Navy's Hydrographical and Oceanographic Department (SHOM) and the European Institute for Marine Studies (IUEM) in view of their participation in ENAG courses in undersea mineral exploration.



ENAG students on IUEM's marine exploration ship

## Developing cooperative education



ENAG is promoting cooperative education through apprenticeship contracts with companies in the mineral resource sector, in partnership with the Regional Centre for Cooperative Education (CFA).

## Governance of mineral resources



Courses in the governance of mineral resources were strengthened in 2011 to correspond to the School's objectives. In addition to the law and business

sciences courses taught by the ESCEM Tours-Poitiers and the University of Orleans, the school draws from industrial expertise on the issues of biodiversity (Gsm-granulats) and stakeholder communication (Cemex), and also from NGOs regarding corporate social responsibility in the mining sector (Sherpa).



## Synergy between diploma-oriented education and further education

BRGM has been sharing its know-how for many years through short-courses offered by BRGM-Formation (BRGM-Training). In 2011, BRGM-Formation was linked to ENAG in order to develop synergy between the various mineral resources courses that are offered.



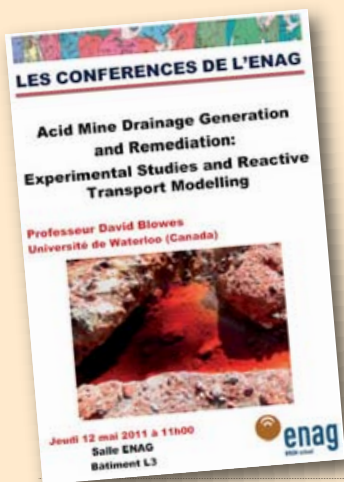
## Chair in "Sustainable Management of Mineral Resources"

Since November 1, 2011, BRGM has hosted Professor Friedrich Wellmer, the former President of BGR and holder of the "Le Studium" chair - "Sustainable Management of Mineral Resources". He is working with BRGM's Department of Mineral Resources on mineral-resource economics and teaching courses at ENAG related to the economic assessment of deposits at the pre-feasibility stage of mining projects.



## International experts

As a partnership-based school with a professional objective, ENAG calls on numerous experts, both French and foreign. These experts participate both by teaching formal classes and by giving conferences open to the public.



## Geodynamics and mineral resources: Andalusia

Whereas in 2010 the "Geodynamics and Mineral Resources" field-training classes were held in the French Alps, in 2011, this course was taught in Spain. For 10 days in October, the 14 students of the "Curien" class hiked through the Baetic Cordillera, notably in order to understand the interactions between the emplacement of these mountain ranges, the basins that separate them and the mineral deposits associated with them.



This field course was carried out jointly by ENAG, the OSUC and the University of Grenada.



Abandoned gold mine of Rodalquilar

## Rare earth elements research

Factors that influence the security of supply in strategic metals such as rare earth elements, include the tensions on imports but also the geologic potential in the national subsurface.

ENAG, which had already attached particular importance to these strategic resources in its curriculum, is now coordinating an ANR ECOTECH research project on rare earth elements (ASTER project) together with BRGM's mineral resource department, Rhodia, BioIS, IRIT and LaSalle Beauvais.



Rare earth element oxides



## A strong presence in trade fairs and symposiums

ENAG participates in numerous events to promote its training programme. These include: the SIM conference in Perpignan (see photo above), Géologia in Nancy, the PDAC meeting in Toronto and INDABA in South Africa. Members of ENAG's permanent teaching staff also teach in engineering schools and universities, and participate in scientific conferences.

# What they're saying...

*We were very impressed by the ability of our three ENAG interns to assimilate the various aspects of their work in mineral exploration. We therefore asked them to join our company after they had completed their internship.*

- **Emmanuelle Geist**  
IAMGOLD  
Director of Human Resources,  
Exploration and Global Mobility

*It was a pleasure for me to speak in front of this audience of both interesting and dynamic ENAG students.*

- **Antoine Valéry**  
Barrister-at-law

*The ENAG students stood out, when I was teaching, particularly by their commitment, their curiosity and their good humour. These admirable qualities are conveyed by the teaching staff and are a key factor to the success of their training programme.*

- **Fabrice Mauléon**  
Professor  
ESEM Management School

## Ours partners

