

*International workshop announcement
for the 40th anniversary of CREGU*

Basins and Resources

13-15 November, 2019, Nancy, France

Sedimentary basins represent one of the geological environments the most exploited for metals (uranium, base metals, ...) and hydrocarbons (oil and gas), but also are excellent hosts for storage (gas, wastes, ...) due to their petrophysical features.

This workshop focused on basins and resources is organized for the 40th anniversary of CREGU, a research centre based in Nancy (France) and dedicated to scientific research on ore deposits and hydrocarbons at the interface with fundamental research and industrial needs. This workshop will provide an unique opportunity to present and compare the most advanced results about sedimentary basins, whether on their formation or their capacity as storage of mineral, energetic resources or wastes.

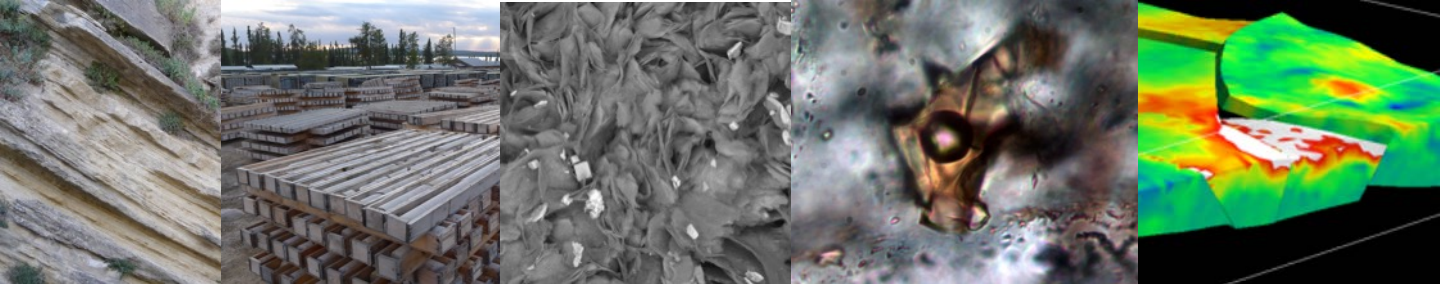
Open to all interested parties and targeting an international audience, 6 different sessions are scheduled over two and half days. Each session will be introduced by an industrial referent who will expose the current issues for the industry, followed by a keynote lecture given by a leading scientist in the field, short communications and a poster session. The meeting and related activities will provide opportunities for friendly exchanges between the scientific and industrial worlds.

We look forward to seeing you all there!

Registration and abstract deadline: September 6th, 2019
(see template for abstracts)

E-mail : contact@cregu.fr

<https://www.cregu.fr>



Day 1

Introduction by P. Landais, Haut Commissaire (Atomic energy Commission)

Session 1-Fluids and circulations: new methodological and analytical developments

Session dedicated to new and innovative results about: fluid and mineral chemistry, dating and P-T-x reconstructions, fault characterization,...

J-P-Girard (TOTAL): Challenges and tools to investigate paleo-fluids in sedimentary basins and reservoirs

J. Mercadier (GeoRessources): New methodological developments to solve dating problems for the U deposits in Athabasca, basin

Session 2-Fluids and metal deposition: case studies

Presentations about case studies implying the developments presented in Session 1. A keynote on the Athabasca Basin, a 40 years topic of research at CREGU. All examples are welcome.

P. Ledru (ORANO-Canada): Are footprints critical elements for the exploration of unconformity-related uranium deposits?

M. Hitzman (ICRAG-Centre, Ireland): Irish Zn-Pb ore field

Session 3-Fluid circulations and geodynamic: the example of the Pyrenees

Session dedicated to results about « fluids and faults » in the context of the Pyrenees mountain range, presenting works done at CREGU and in other research centres.

E. Gaucher (TOTAL): Fluids and water-rock interactions: A synthesis in the W-Pyrenean Foothill basin

Y. Lagabrielle (Geosciences Rennes): Peridotite - crust- sediments interactions in the frame of mantle exhumation. The Pyrenees in the Cretaceous Times

Day 2

Session 4- Advances in modelling and subsurface flow simulations

session dedicated to upscaling, implicit modelling of faulted reservoir, THMC modelling, ...

C. Gout (TOTAL): Modelling for oil reservoirs

F.V. Donzé (ISTerre- Grenoble): Hydro-mechanical modelling of fault reactivation in low permeability media

Session 5- in-situ recovery and by product valorisation

Session dedicated to ISR of metals (U, Cu, Zn,...) and to research concerning by-product valorisation.

A. Le Beux (ORANO): Scientific and technical advances in the field of In situ recovery

V. Lagneau (School of Mines, Paris): Modeling of Uranium recovery and reactive mass transfer in ISR

Day 3

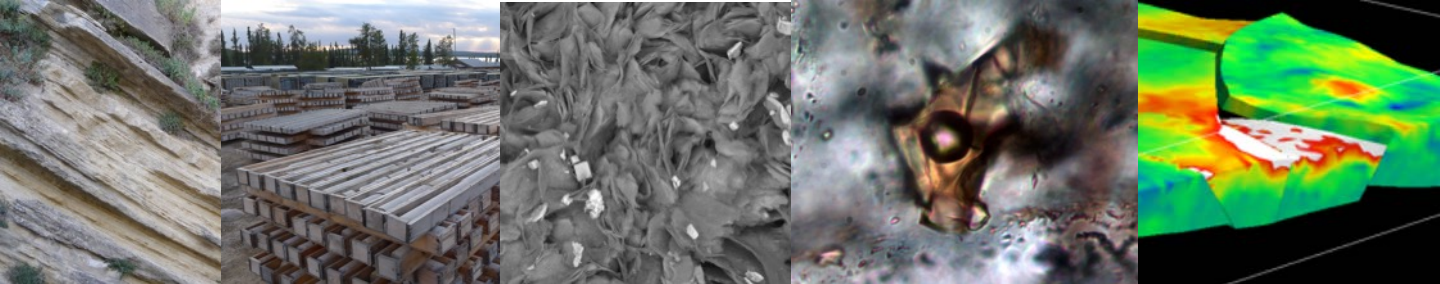
Session 6- Reservoir and resources

Session dedicated to basins as reservoir or storage for different commodities or materials: Hydrocarbon, H₂, H₂S, methane, unconventional gas, CO₂, nuclear repository ...

Invited speakers:

F. Plas (ANDRA): Scientific challenges in nuclear waste storage,

L. Truche (ISTerre) : Hydrogen (H₂) migration in sedimentary basins: resource and storage



- Registration to the workshop is free of charge.
- Deadline for abstract submission and registration : September 6th
- To register, please fill in the following details and send them to contact@cregu.fr

Title
Given name
Family name
Email address
Institution
Department
Address
City
State/county (if any)
Postcode/ZIP
Country

Letter of invitation to attend the conference

A letter of invitation is issued solely for the purpose of assisting the participants in need of a visa application, and/or to obtain funding for their attendance to the conference. If you require a letter of invitation, please let us know when you register to the conference, sufficiently in advance.

All details for the venue will be sent later to the participants.

The workshop will take place over two and half days at the Lorraine University, at Vandoeuvre-lès-Nancy.

Each participant will receive an abstract volume and documents about the scientific activities by CREGU and the scientific laboratories of Lorraine University working in Geosciences.

Abstract template

Title

First Author^{1*}, Second Author², Third Author^{1,2} (underline the presenting author)

¹First affiliation, address, city and postcode, country – (Use Arial Narrow 12 font)

²Second affiliation, address, city and postcode, country

*Corresponding author: E-mail address

Insert abstract text here.

Use Arial Narrow 14 font.

Paragraphs should be separated by a hard return.

The full abstract including title, affiliations and references should fit one page maximum.

Do not insert figures or tables.

Sedimentary basins represent one of the geological environments the most exploited for metals (uranium, base metals, ...) and hydrocarbons (oil and gas), but also are excellent hosts for storage (gas, wastes, ...) due to their petrophysical features. This workshop is organized for the 40th anniversary of CREGU, a research center at the interface with industry, based in Nancy (France) and dedicated to scientific research on ore deposit and hydrocarbons. This workshop will provide an unique opportunity to compare and contrast the most recent results about the formation, modelling and storage of mineral and energetic resources, with a specific focus on sedimentary basins.

.....

References: (use the following style)

Cathelineau, M. et al. (2016) Miner. Dep. (2016) 51: 271

Golightly J.P. (1981) Econ. Geol., 75th anniversary volume 710-735

Name your file "lastname.doc". Send it to contact@cregu.fr and specify in your e-mail your preferred mode of presentation (oral or poster).



ART NOUVEAU



Places to visit : Ecole de Nancy museum (art nouveau), and Fine Arts Museum : Émile Gallé, Victor Prouvé, Jacques Gruber, Louis Majorelle, les frères Daum

Nancy *Gourmand*



Bergamote, Mirabelle plums, Macarons, Quiche, Wines, *Choucroute* Stew and soups, Babas, Saint Epvre ...



Lorraine University and Faculty of Sciences and Technologies

The Faculty of Sciences and Technologies (FST) is located in the southern suburbs of Nancy (France), in the townships of Villers-lès-Nancy and Vandœuvre-lès-Nancy.



Easy to reach from the downtown of Nancy with public transport (link is external), Take the Tram No. 1 to "Vélodrome" or "Reclus" station and then approx. 300 meters walk.

By railway : Nancy train station (1h30 from Paris-Est ; 1h from Strasbourg)
By plane : Nancy-Metz airport (around 30 mn from Nancy by car or bus)