

## PROGRAM

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### WEDNESDAY, 18<sup>TH</sup> NOVEMBER

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9h00	User Meeting Welcome (Aquarium room)	
9h20-9h30	Welcome Talk <i>Pierre Nehlig, Direction de la Stratégie, BRGM</i>	
<b>Case studies session</b>	<i>Chairman: C. Allanico and D. Fitzgerald</i>	
9h30-9h50	3D crustal architecture of the Vosgian massif (France). Confrontation with 3D modelling and the gravimetric field <i>C. Allanico, G. Courrioux, A. Guillen, S. Gabalda, G. Martelet, K. Schulmann</i>	
9h50-10h10	Automation with pygeomodeller and uncertainty studies <i>R.E. Murdie, F. Wellmann, M. De La Varga, M. Lindsay, M. Jessel, K. Gessner</i>	
10h10-10h30	3D geological model of the "Plateau de Sault", Pyrenees <i>L. Martel, C. Allanico, G. Courrioux, B. Monod</i>	
10h30-10h50	3D modelling of an area of intense seismicity (Central Pyrenees). Link between fault network geometry and earthquakes distribution along the Argelès-Gazost area in the Pyrenees <i>A.-L. Argentin, C. Loiselet, G. Courrioux, M. Sylvander, P. Labaume</i>	
10h50-11h10	Building a 3D structural-geophysical model in Emilia-Romagna region (Italy) for earthquake numerical modelling <i>G. Laurenzano, M.A. Romano, E. Priolo, P. Klin, L. Martelli</i>	
11h10-11h30	<b>Coffee break</b>	
11h30-11h50	Geomodeller used for modeling geology on a storage unit for nuclear wastes management <i>V. Vallon, S. Belbèze, D. Tafani, J.M. Joubert, C. Thièrion, J. Bruhlet, S. Jenni</i>	
11h50-12h10	Geomodeller used for modelling geology of the Brennilis nuclear powerplant <i>S. Belbèze, V. Vallon presented by D. Tafani</i>	
12h10-12h30	Geomol- 3D modelling on Geneva - Savoy <i>S. Gabalda, G. Courrioux, S. Lopez, L. Capar, R. Couëffé, C. Dezayes, S. Marc, D. Rambourg, A. Brenot, Y. Siméon, N.Clerc, N. Andermatten, M. Meyer and the Geomol team</i>	

12h30-14h00

**Lunch**



**Case studies session**

*Chairman: P. Calcagno and D. Fitzgerald*

14h00-14h20

**Geological and hydrogeological modelling of the Swiss central Jura**  
*F. Negro, J. Kerrou*

14h20-14h40

**Using Geomodeller to build a hydrogeological 3D model of a geologically complex area. Picos de Europa karst massif, Spain**  
*D. Ballesteros, A. Malard, P.-Y. Jeannin, M. Jiménez-Sánchez, J. García-Sansegundo, M. Meléndez-Asensio, G. Sendra*

14h40-15h00

**Geological modelling of the Kasserine aquifer system, Central Tunisia**  
*I. Hassen, H. Gibson, F. Negro, R. Bouhlila*

15h00-15h20

**Quantitative assessment of the value added to regional groundwater model predictions by airborne geophysical surveys**  
*K. Hayley, R. Paterson*

15h20-15h50

**Coffee Break**



15h50-16h10

**Uncovering the mineral potential of the Stavely Arc using 3D geological modelling**  
*S.R.B. McAlpine, J. Goodwin presented by D. Fitzgerald*

16h10-16h30

**Finding and characterizing sedimentary basins using offshore gravity data**  
*D. Fitzgerald*

16h30-16h50

**Grand Arénas: an integrated study from geological model to geothermal simulations**  
*P. Calcagno, J.-C. Martin, S. Caritg, P. Durst, C. Maragna, M. Moulin*

16h50-17h30

**Discussion session**

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## THURSDAY, 19<sup>TH</sup> NOVEMBER

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### 2.5D EM Inversion

*Chairman: D. Fitzgerald*

9h00-10h30

2.5D EM inversion

*R. Paterson, Intrepid-Geophysics, Australia*

10h30-10h50

**Coffee break**



10h50-12h30

2.5D EM inversion

*R. Paterson, Intrepid-Geophysics, Australia*

12h30-14h00

**Lunch**



### What's new, Meshes and GeoModeller link with Feflow

*Chairman: G. Courrioux*

14h00-14h30

What's new in Geomodeller V3.3 ?

*D. Fitzgerald, Intrepid-Geophysics, Australia*

14h30-15h00

Pushing forward implicit modelling

*G. Courrioux, BRGM, France*

15h00-15h30

Dynamic simulations on generic unstructured meshes generated with Geomodeller

*S. Lopez, BRGM, France*

15h30-16h00

**Coffee break**



16h00-16h30

Linking Geomodeller and Feflow – part 1: Filling properties in Feflow grids using Geomodeller

*G. Courrioux, BRGM, France*

16h30-18h00

Linking Geomodeller and Feflow – part 2: Tetrahedric and unstructured meshes in Feflow

*F. Cornaton, DHI water, Postdam, Germany*

19h30

Meeting at the Lebanese restaurant "Mijana" in the city center

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## FRIDAY, 20<sup>TH</sup> NOVEMBER

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9h00-12h30

14h00-17h

**Training 1:** Introduction to geological modelling with GeoModeller (Building B1 Room R13)

*S. Gabalda, C. Allanic*

**Training 2:** Advanced 3D GeoModeller / Geophysical inversion (Aquarium)

*R. Paterson, D. Fitzgerald, P. Calcagno, G. Gournoux*

**Bring your laptop !**