

## **International Eclogite Conference 20-29 August 2017**

### **Preliminary contribution list SHORT VERSION 2017-08-07**

**Total 124 contributions:**

**10 keynotes**

**49 ordinary orals (43% of ordinary presentations)**

**65 posters (57% of ordinary presentations)**

# The Scandinavian Caledonides – the importance of eclogites

Conveners: Jaroslav Majka, Marian Janák, and David Gee

2 keynotes + 7 orals + 10 posters

*Orals in order:*

1. **KEYNOTE** David G. Gee.: **The tectonic framework of the Scandinavian Caledonides and HP/UHP metamorphism.**
2. **KEYNOTE** Hannes K. Brueckner: **The Great Eclogite Debate of the Western Gneiss Region, Norwegian Caledonides: the in situ crustal versus exotic mantle origin controversy.**
3. Robinson, P., Terry, M. P., Hollocher, K., Longva, O., Butler, J.: **Structural evolution at the south boundary of the Nordøyane UHP domain, W Norway.**
4. Engvik, A.K., Willemoes-Wissing, B., Lutro, O.: **High-temperature, decompressional equilibration of the eclogite facies orogenic root, Western Gneiss Region, Norway.**
5. Young, D. J.: **Imbrication of the (ultra)high pressure Western Gneiss Region during Caledonian continental margin subduction.**
6. Kylander-Clark, A., Hacker, B., Garber, J., Holder, R., Spencer, K., Ginsburg, A.: **Petrochronology of the Norwegian Western Gneiss Region Ultrahigh-Pressure Terrane.**
7. Cutts, J.A, Smit, M.A: **Exploring the complex dynamics of subducted continents using Lu-Hf garnet chronology.**
8. Klonowska, I., Janák, M., Petřík I., Majka, J., Holmberg, J., Broman, C., Sasinková, V., Yoshida, K.: **Diamond-bearing UHP Seve Nappe Complex, Scandinavian Caledonides.**
9. Janák, M., Ravná, E.J.K., Kullerud, K., Petřík, I., Yoshida, K., Sasinková, V.: **UHP metamorphism in the Tromsø Nappe, Scandinavian Caledonides – recent progress.**

---

*Posters*

- Auglænd, S., Robinson, P., McEnroe, S. A., Terry, M. P., Daczko, N., Krogh, T. E., Kamo, S. L., Hollocher, K.: **Tectonostratigraphy, structure and petrology of the Averøy layered eclogite and relations to the Nordøyane UHP domain, W Norway.**
- Bukała, M., Barnes, C., Majka, J., Klonowska, I., Kościńska, K., Walczak, K.: **Revealing the secrets of the Seve: P-T-t evolution of the Seve Nappe Complex in Norrbotten, Sweden.**
- Engvik, A.K., Lutro, O., Nordgulen, Ø., Austrheim, H.: **On the formation of sillimanite nodular gneisses, Western Gneiss Region, Norway.**

Fassmer, K., Froitzheim, N., Fonseca R.O.C., Münker, C.: **Lu-Hf geochronology of eclogite in the Seve Nappe Complex, Scandinavian Caledonides – first results.**

Jeanneret, P., Holmberg, J., Klonowska, I., Barnes, C.J., Korhonen, S., Majka, J., Lorenz, H., Schneider, D.A., Almqvist, B., Zack, T., Ladenberger, A., Kościńska, K., Gee, D.G.: **Subduction and thrust emplacement of the Lower Seve Nappe in the Scandinavian Caledonides: Pressure-Temperature-time constraints along the COSC-1 borehole in Åre.**

Kościńska, K., Spear, F.S., Majka, J.: **Garnet nucleation conditions in the Caledonian high pressure rocks of western Svalbard: further evidence for cold Paleozoic subduction.**

McKenzie, W., Gopon, P., MacNoicaill, D., Waters, D.: **Retrograde History of Western Gneiss Region Eclogites (Norway).**

Möller, C., Klonowska, I., Johansson, L., Janák, M., Majka, J., Naeraa, T.: **Microdiamond-bearing meta-supracrustal rocks in Roan, northernmost Western Gneiss Region, Scandinavian Caledonides.**

Monta, Y., Hirajima, T., Kato, R., Osanai, Y., Nakano, N., Adachi, T., Sakata, S., Majka, J. and Janák, M.: **Petrological and zircon geochronological study of garnet-muscovite gneiss from the Tromsø Nappe in the Scandinavian Caledonides.**

Robinson, P., Corfu, F., Gee, D. G., Tucker, R. D.: **Late Scandian thrust imbrication of Baltican basement in Trollheimen, Norway: Interpretation from titanite U-Pb geochronology.**

# Microstructures and microchemistry of HP-UHP minerals – reaching the nano-scale

Conveners: Gaston Godard, Marian Janák, and Jingsui Yang

1 keynote + 5 orals + 11 posters

*Orals in order:*

1. **KEYNOTE** Jingsui Yang, Wirth, R., Xiong, F.H., Xu, X.Z.: **Nanometer sized mineral inclusions in ophiolite-hosted diamonds and recycling of deep mantle.**
2. Martin, C., Mattison H., Barickman, K., Flores, G., Bonnet, G., Harlow, E.: **Unraveling the history of complex zoned garnets from the North Motagua Mélange (Guatemala).**
3. Schertl, H.-P., Hertwig, A., Maresch, W.V., Li, X.-P.: **Accessory minerals in HP and UHP rocks: the problem of inclusions and “pseudo-inclusions”.**
4. Tual, L., Möller, C., Pitra, P., Whitehouse, M. J., Andersson, J.: **Unravelling a HP-HT prograde metamorphic history from quartz, rutile and zircon inclusions in garnet.**
5. Mikhailenko, D., Shchepetova, O., Musiyachenko, K., Korsakov, A., Ohfuji H.: **FIB-TEM study of the diamond-graphite boundary in K-bearing tourmaline (Kokchetav massif, Northern Kazakhstan).**
6. Shchepetova, O., Korsakov, A., Mikhailenko, D., Zelenovskiy, P., Shur, V.: **The 3D Raman imaging of C and SiO<sub>2</sub> polymorphs inclusions in UHPM kyanite gneisses from the Kokchetav Massif (Northern Kazakhstan).**

---

## *Posters*

Alvaro, M., Murri, M., Mazzucchelli, M.L., Prencipe, M., Campomenosi, M., Angel, R.J.: **Elastic geobarometry for UHP metamorphic rocks.**

Angel, R.J., Mazzucchelli, M.L., Nestola, F., Alvaro, M.: **Elastic geobarometry: state of the art.**

Campomenosi, N., Scambelluri, M., Mihailova, B., Alvaro, M., Nestola, F., Mazzucchelli, M.L., Murri, M., Angel, R. J., Prencipe M.: **Experimental evidence on natural host-inclusion mineral systems to characterize the role of geometry and size of the inclusions for Raman elastic geobarometry.**

Gao, X.Y., Zheng, Y.F.: **Petrological and zircon evidence for the Early Cretaceous granulite-facies metamorphism in the Dabie orogen, China.**

Godard, G.: **The hopes for the paleopiezometry of eclogites.**

Musiyachenko, K., Korsakov, A.: **What do the diamond inclusions tell us?**

Smith, D.C., *Godard, G.*, Gatel, P.: **Kyanite-eclogite from Corrèze, Limousin, France: quartz needles in clinopyroxene, kyanite inclusions in garnet, K-feldspar and large early-amphibole.**

Su, W., Chen, L., Liu, Z.: **Characteristic of epidote at high pressure and high temperature.**

Wang, B., *Zhou, W.*, Mao, C., Lv, X., Zhao, X., Gao, X.: **Discovery of Early Paleozoic eclogite from the Nuomuhong in Eastern Kunlun and its implications for the evolution of the Proto-Tethys Ocean.**

Yang, J.-J., Zhang, H.-R., Chen, A.-P., Huang, M.-X.: **The rate of high-P metamorphism: constraint from growth textures and deformation microstructures.**

Xu, H.: **Decorated dislocations in naturally deformed olivine with C-type fabric: A case study.**

---

# Petrochronology: dating of metamorphic processes

Conveners: Jenny Andersson and Chris Mattinson

1 keynote + 9 orals + 12 posters

*Orals in order*

1. **KEYNOTE** Daniela Rubatto: **Behavior of zircon in high pressure rocks: a reappraisal.**
2. Lotout, C., Pitra, P., Poujol, M., Bosse V., Anczkiewicz, R., Bretagne, E., Boulvais, P., Van Den Driessche, J.: **Use and abuse of REE spectra to constrain the eclogite-facies event.**
3. Li, X., Zhang, L., Wei, C., Slabunov, A.I.: **The Precambrian Belomorian eclogite: metamorphic age and PT conditions.**
4. Kooijman, E., Smit, M.A., Ratschbacher, L., Kylander-Clark, A.R.C.: **A record of deep crustal foundering from high-pressure xenoliths.**
5. Bröcker, M., Boehnke, M., Hoffmann, J., Maulana, A., Setiawan, N.I., Klemd, R.: **Geochronology of high-pressure and amphibolite facies rocks from the Central Indonesia Accretionary Collision Complex (Sulawesi, Java).**
6. Flores, K.E., Bonnet, G., Cai, Y., Martin, C., Hemming, S. R., Brueckner, H.K., Harlow, G.E.: **50 Myr. in a subduction serpentinite channel: Insights into slow eclogite exhumation.**
7. Halama, R., Konrad-Schmolke, M., Glodny, J., Sudo, M: **The more the merrier: Rb/Sr and *in situ* <sup>40</sup>Ar/<sup>39</sup>Ar dating of recrystallization events in the Sesia Zone (Western Alps, Italy).**
8. Smit, M.A., Scherer, E.E., Cutts, J.C.: **Dating (U)HP rocks: a garnet perspective.**
9. Liu, J. B., Gao, Y. J., Cheng, N. F., Su, B., Yang, S. H.: **Zircon U-Pb dating for the initial time of partial melting of stromatic migmatite in the Sulu UHP metamorphic terrane.**
10. Li, X.-P., Ma, P.-F., Chen, S., Kong, F.-M., Xu, H.: **HP metamorphic rocks from Qianliyan Island, Yellow Sea: a link of HP/UHP orogenic continuation between the mainland of China and the Korean peninsula.**

---

*Posters*

Andersson, J., Tual, L., Möller, C.: **A U-Pb and REE zircon record of the prograde metamorphic evolution of eclogitized crust – an example from the Eastern Segment, Sveconorwegian orogen.**

- Chen N.S., Mustafa, H.A., Li, X.Y.: **Timing of Paleoproterozoic multiple metamorphism in the Quanji Massif, NW China and links to the assembly of the Columbia supercontinent.**
- Lotout C., Poujol M., Anczkiewicz R., Ruffet G., 1, Pitra P., Van Den Driessche J.: **Evolution of eclogite terranes through multimethod petrochronology, a case study from the French Massif Central, Variscan belt.**
- Mattinson, C.G., Zhang, J.X., Yu, S.Y., Kylander-Clark, A.R.C.: **Zircons from granitic dikes document rapid exhumation from (U)HP to crustal levels, North Qaidam terrane, western China.**
- Peters, M.K., van Hinsbergen, D.J.J., Smit, M.A., Corfu, F., van Roermund, H.L.M., Brouwer, F.M., Drury, M.R.: **What precedes the formation of (U)HP rocks: the initiation of intra-oceanic subduction from the petrochronology of Tethyan metamorphic soles.**
- Xie, L.W., Yang J.H., Yin Q.Z., Yang Y.H., Liu J.B., Huang C.: **High spatial resolution U-Pb dating technique and its application for the age of Dabie ultrahigh pressure metamorphism.**
- Yang, W.Q., Liu, L., Gai Y.S.: **P-T-t path and tectonic implications of the high-pressure mafic granulites from the West Kunlun orogenic belt, China.**
- Yang, Y., Yang, J., Xie, L., Wu, F., Li, Y., Huang, C.: **High precision Lu–Hf geochronology of eclogite and phosphate.**
- Zhang, C., Bader, T., van Roermund, H., Yang, J.S.: **The metamorphic evolution and tectonic significance of the eclogite in the Sumdo Complex, Tibet, China.**
- Zhang, L.J., Zhang, L.F., Fu B., Du, J.X., Chen, J.: **U-Pb geochronology of titanite and zircon in eclogites from southwestern Tianshan UHP metamorphic belt, NW China.**
- Zhu, W., Zheng, B., He, J., Ge, R.: **Ages and tectonic evolution of the Precambrian Aksu blueschist terrane, northwestern Tarim, China.**
-

# From cold to hot collision - subduction and continental underthrusting

Conveners: Helen Lang and Hans-Joachim Massone

2 keynotes + 7 orals + 13 posters

*Orals in order:*

1. **KEYNOTE** Gisella Rebay, Zanoni, D., Zucali, M., Luoni, P., Spalla, M.I., Gosso, G.: **Inferring metamorphic evolution in polymetamorphic oceanic and continental lithosphere: some examples from the Alps.**
2. **KEYNOTE** Patrick J. O'Brien.: **High-temperature eclogites of subducted continental crust: associated rocks, melting phenomena, difficulties in determining peak P-T conditions, and the problems of high temperature overprint(s) during exhumation.**
3. Möller, C., Andersson, J.: **Metamorphic zoning and behavior of an underthrusting 'India-style' lower continental plate, Sveconorwegian orogen, SW Scandinavia.**
4. Faryad, S.W., Jedlicka, R., Hauzenberger, C.: **Eclogite and granulite facies events, recorded in single grains of garnet and clinopyroxene.**
5. Li, B., Massonne, H.-J.: **Variscan eclogites from the km<sup>2</sup>-large 'La Pioza' body of the Malpica-Tuy complex, NW Spain, were buried by tectonic erosion and exhumed in a subduction channel.**
6. Zhang, J., Lu, Z., Mattinson, C.: **Tectonic erosion related to continental subduction: An example from the eastern North Qaidam Mountains, NW China.**
7. Hernández-Uribe, D., Mattinson, C.G., Zhang, J.X., Neill, O.K., Kylander-Clark, A.R.C., Lehman, M., Stubbs, K., & Sains, A.: **Constraints on the thickness of the long-lived Dulan UHP area, North Qaidam terrane, China: Evidence from phase equilibria modelling, Zr-in-rutile thermometry, and zircon U-Pb geochronology and implications for thermobarometry in MT-(U)HP eclogites.**
8. Gai, Y.S., Liu, L., Wang, C., Yang, W.Q., Kang, L., Cao, Y.T., Liao, X.Y.: **The first discovery of coesite in eclogite from South Altyn Tagh.**
9. Li, Q.Y., Zhang, L.F., Fu, B., Thomas, B.: **Well preserved eclogites from the central Himalayan : petrology, zircon dating and their tectonic implications.**

---

## *Posters*

Arab, A., Ouzegane, K., Godard, G., Doukkari, S., Linnemann, U., Drareni, A., Zetoutou, S.: **High-pressure kyanite-bearing metapelites from the Egere area (Central Hoggar, south Algeria): petrology, P-T constrain, geochemistry and U-Pb geochronology.**



- Doukkari, S., Godard, G., Ouzegane, K.: **Eclogites from Serkout area (Central Hoggar, Algeria): closure of a Neoproterozoic ocean during the Pan-African orogeny.**
- Goffé, B., *Liatj, A.*, Cuny, D., Skarpeelis, N.: **Saliotite, ordered 1:1 cookeite/paragonite mixed layers, as record of high-P, very low-T metamorphism: a new occurrence, Amorgos Island, Greece.**
- Li, B., Massonne, H.-J.: **Contrasting evolution of adjacent eclogite- and amphibolite-facies metapelites from the eastern margin of the northern Malpica-Tuy complex, NW Spain.**
- Liao, X.Y., Wang, Y.W., Liu, L., Wang, C., Yang, M.: **When did the North Qinling HP-UHP rocks exhumate to the surface?**
- Liu, L., Yang, M., Liao, X.Y., Wang, C., Gai, Y.S., Yang, W.Q., Kang, L.: **Part of the Qinling Complex from the Central China Orogen underwent deep continental subduction: Constraints from the detrital zircon of the sedimentary rocks in Erlangping and Kuanping Complex.**
- Liu, P.L., Massonne, H.-J.: **Metamorphic evolution of a felsic gneiss from the CCSD main borehole, Sulu terrane, eastern China: insights from mineral chemistry and contoured P-T pseudosections.**
- López-Carmona, A., Tishin, P.A., Gutiérrez-Alonso, G., Chernyshov, A.I., Gertner, I.F.: **UHP metamorphism in the Marun-Keu Complex (Polar Urals, Russia).**
- Luoni, P., Rebay, G., Zanoni, D., Spalla, M.I.: **HP-UHP serpentinites from Zermatt-Saas Zone: new insights on UHP metamorphism of ultramafic rocks.**
- Massonne, H.-J., van Staal, C.R., Willner, A.P.: **Formation of biotite-bearing eclogite: an example from the Fleur-de-Lys Supergroup of Newfoundland.**
- Meng, F., Jia, L., Ren, Y., Fan, Y., Duan, X.: **The eclogites from the East Kunlun Mountains, Northern Qinghai-Tibet Plateau, China: record of Middle Paleozoic continental subduction.**
- Putiš, M., Li, X.-H., Nemeč, O., Balen, D., Koller, F., Hrvanović, S.: **Exsolution, symplectite and corona textures of Permian pyroxenite dykes in harzburgite (Austroalpine unit, Eastern Alps): P–T estimates from a subducted mantle fragment.**
- Wang, C., Liu, L., Gai, Y.S., Yang, W.Q., Kang, L., Liao, X.Y.: **Recognition the retrograded eclogite in the Danshuiquan, South Altyn, NW China, and implications of its metamorphic history.**
-

# Garnet peridotites – messengers from the mantle

Conveners: Suzanne O'Reilly and Hannes Brueckner

1 keynote + 7 orals + 5 posters

*Orals in order*

1. **KEYNOTE** William L. Griffin, O'Reilly, S. Y.: **Peridotites and eclogites in the SCLM: The evolution of an understanding.**
2. Spengler, D., Van Roermund, H.L.M., Drury, M.R.: **Komatiite signature in cratonic mantle pyroxenite, W-Norway.**
3. Alifirova, T.A., Korsakov, A.V., Pokhilenko, L.N. , Taylor, T.A. , Zelenovskiy, P.S.: **Carbonate melt inclusions and graphite in a garnet peridotite as clues for understanding Udachnaya kimberlite xenoliths metasomatic history.**
4. Yui, T.F., *Cuthbert*, S.J., Chu, H.T., Shen, P., Hwang, S.L., Quas-Cohen, A.: **O-isotope compositions of UHP ultramafic rocks in the Western Gneiss Complex, SW Norway: Implications for metasomatism and provenance.**
5. Kotková, J., Čopjaková, R.: **Kinoshitalite-bearing multiphase solid inclusions in garnet in peridotites – evidence for crust-mantle interaction in deep subduction zone environment.**
6. Chen, R.-X., Li, H.-Y., Zheng, Y.-F.: **Zircon in orogenic peridotite records the crust-mantle interaction in continental subduction channel.**
7. Borghini A., Ferrero S., Wunder B., Laurent O, O'Brien PJ & Ziemann MA: **Variscan nanogranitoids in Bohemian Massif orogenic peridotites: evidence for partial melting, metasomatism or both?**
8. Van Roermund, H.L.M., Benders, P.G.P., Essers, S., Knotters, N.T., Van Bruchem, S. D.A., Verwater, V.F.: **A pilot study about the nature of the orogenic peridotites exposed along the Seve-Köli boundary in the Gäddede-Kittelfjäll area, central Swedish Caledonides.**

---

*Posters*

- Brueckner, H. K., Medaris, L.G. Jr.: **The origin of eclogites in garnet peridotite massifs: The view from the Moldanubian Zone of the Czech Republic and the Western Gneiss Region of Norway.**
- Chen, Y., Su, B., Chu, Z.Y., Guo, S., Liu, J.B.: **Os isotopic heterogeneity in the subcontinental lithospheric mantle induced by continental subduction: Evidence from the Maowu garnet peridotites (Dabie UHP belt).**
- Garrido, C.J., Varas-Reus, M.I., Marchesi, C., Bosch, D., Hidas, K.: **Genesis of ultra-high pressure garnet pyroxenite in orogenic peridotites and its bearing on the compositional heterogeneity of the Earth's mantle.**

Pilitsyna, A.V., Tretyakov, A. A., Alifirova, T. A.: **Symplectite-bearing spinel peridotites of the Anrakhai complex, S. Kazakhstan: the first finding in the Western part of the Central Asian Orogenic Belt.**

Wang, Y-F: **Deformation and fabric of a garnet-bearing peridotite from the Sulu terrane, eastern China.**

---

# Fluid dynamics: the significance of fluids and melts

Conveners: Shah Wali Faryad and Simon Cuthbert

1 keynote + 7 orals + 8 posters

*Orals in order*

- 1. KEYNOTE** Håkon Austrheim: **Intermediate depth earthquakes and high grade metamorphism.**
- Brown, M., Wang, S.J., Wang, L., Piccoli, P., Johnson, T.: **Generation and evolution of fluid/melt during exhumation of continental crust from ultrahigh pressures.**
- Cuthbert, S.J., Quas-Cohen, A., Droop, G.T.R. & Burgess, R.: **External UHP garnet websterites and orthopyroxene eclogites in the Western Gneiss Region, Norwegian Caledonides: Metamorphism or metasomatism?**
- Konrad-Schmolke, M., Klitscher, N., Halama, R., Wirth, R., Morales, L.F.: **Dissolution, element transport and precipitation during blueschist facies reactive fluid fluxes in subduction zones.**
- Korsakov, A.V., Alifirova, T.A., Golovin A.V.: **Factors controlling coesite preservation in eclogite xenoliths from Udachnaya-East kimberlite pipe.**
- López-Carmona, A., Gutiérrez-Alonso, G., Floor, P., Arps, C.E.S., Kriegsman, L., Gill, A.: **Eclogite to retroeclogite transition: a tribute to D.E. Vogel research (Cabo Ortegal Complex, NW Iberian Massif).**
- Perchuk A.L., Yupaskurt V.O., Griffin W.L., Shur M.Yu., Gain S.E.M.: **Major and trace element fluxes at carbonated metabasite-peridotite interface: insight from experimental modeling.**
- Zhang, J., Wang, Y., Zimmerman, M., Kohlstedt, D.: **Dehydration faulting in layered serpentinized peridotite: Implications for regular and slow earthquakes in subduction zones.**

---

*Posters*

- Cao, Y., Liu, L., Wang, C. Yanga, W., Kang, L.: **Partial melting during HP granulite-facies stage of eclogite from the South Altyn Tagh: evidence from petrology, zircon U-Pb dating and Lu-Hf isotopes.**
- Gu, X., Huang, F., Guo, S.: **Barium isotopic fractionation during dehydration in subduction zones: insights from vein-bearing UHP eclogites in the Dabie orogen.**
- Guo, S., Su, B., Chen, Y., Yang, Y.H.: **Unusual replacement of Fe-Ti oxides by rutile during retrogression in amphibolite-hosted veins (Dabie UHP terrane): A mineralogical record of fluid-induced oxidation processes in exhumed UHP slabs.**
- Li, J.L., John, T., Gao, J., Klemd, R., Wang, X.S.: **Nature and geochemistry of retrograde fluids in the subduction channel.**

Liu, P.L., Massonne, H.-J., Jin, Z.M., Wu, Y., Zhang, J.F.: **Petrology and geochemistry of an eclogite-vein system from the Dabie Shan: insights into the fluid-rock interaction during exhumation of deeply-subducted crust.**

Li, W., Chen, R-X, Zheng, Y-F: **Multiple anatexis of ultrahigh-pressure eclogite during exhumation of deeply subducted continental crust in the Sulu orogen.**

Yasumoto, A., Hirajima, T., Nakamura, D., Svojtka, M.: **Origin of mm-scale layering structure in an ultra-high pressure eclogite from Nové Dvory, Moldanubian Zone of the Bohemian Massif.**

Yoshida, K., Orozbaev, R., Hirajima, T., Miyake, A., Tsuchiyama, A., Bakirov, A., Takasu, A., Sakiev, K.: **Direct chemical analysis of individual fluid inclusion by cryo-FIB-SEM-EDS: an application to the UHP Tlc-Grt-Cld schist from the Makbal Complex, Kyrgyz.**

---

# Geochemical dynamics in subduction zones

Conveners: Daniele Castelli and Hans-Peter Schertl

2 keynotes + 7 orals + 6 posters

*Orals in order*

1. **KEYNOTE** Suzanne L. Baldwin, Malusà, M.G., and Fitzgerald, P.G.: **Geochemical kinetics and the geodynamics of (U)HP terranes.**
2. Chen, Y.-X., Schertl, H.-P., Zheng, Y.-F., Zhou, K., Huang, F.: **Tracing Mg-rich fluids by Mg-O isotopes during metasomatic formation of whiteschist in Western Alps.**
3. Gilio, M., Scambelluri, M., Agostini, S., Godard, M., Pettke, T., & Angiboust, S.: **Alpine serpentinite geochemistry: A key to unravel subduction accretion at the plate interface.**
4. Laborda-López, C., López Sánchez-Vizcaíno, V., Marchesi, Gómez-Pugnaire, M.T., Garrido, C.J., Jabaloy-Sánchez, A., Padrón-Navarta, J.A.: **Thermodynamic modelling of HP transformations in subducted meta-rodinities and their interaction with Atg-serpentinite dehydration (Cerro del Almirez, SE Spain).**
5. **KEYNOTE** Yong-Fei Zheng: **Geochemical transfer from the subducting crust to the mantle: Insight from the study of continental subduction-zone fluids.**
6. Fitzgerald, P.G., Baldwin, S.L., Bermúdez, M.B., Webb, L.E., Little, T.A., Miller, S.R., Malusà, M.G., Seward, D. **Rift-triggered exhumation of eclogite-bearing gneiss domes in eastern Papua New Guinea: Geologic and thermochronologic constraints.**
7. Shatsky V.S., Skuzovatov S.Yu, Ragozin A.L.: **The protolith nature of the Kokchetav massif eclogites: geochemical and isotopic evidence.**
8. Skuzovatov, S.Y., Shatsky, V.S., Dril, S.I., Posokhov, V.F., Wang, K-L.: **Geochemical, Nd-Sr-O isotopic and zircon U-Pb geochronological constraints on arc-microcontinent collision in the southern framing of Siberia: New data for the North Muya eclogite-bearing complex.**
9. Tsujimori, T., Takahashi, N., Kimura, J.I.: **P-type jadeitite (veined jadeitite) and jadeite-bearing retrograded eclogite from California: Implications for subduction-zone fluid integration.**

---

*Posters*

Bidgood, A., Waters, D., Searle, M., Roberts, N., Ahmad, T.: **The transformation history of the Tso Moriri dome, Ladakh.**

Ditterová, H., Konrad-Schmolke, M., Erpel, L., Ebert, L., Pourteau, A.: **Modeling of Rare Earth Elements redistribution in HP/LT metamorphic rocks: Record of lawsonite, titanite and epidote breakdown by garnet.**

Massonne, H.-J., Opitz, J., van Staal, C., Willner, A.P.: **Geochemical characteristics of eclogite-amphibolite bodies in the Fleur-de-Lys Supergroup of Newfoundland.**

Menzel, M.D., *Garrido, C.J.*, Sánchez-Vizcaíno, V.L., Marchesi, C., Hidas, K.: **Subduction metamorphism of ophicarbonates beyond the stability field of antigorite: Insights into carbonate dissolution vs. decarbonation from the Almirez ultramafic massif (S. Spain).**

Walters, J.B., Cruz-Uribe, A.M., Marschall, H.R., Monteleone, B.: **A global overview of sulfur isotopes and sulfide-silicate reactions in exhumed terranes.**

Xu, H.J., Song, Y.R., Zhang, J.F.: **Anatexis witnessed post-collisional evolution of the Dabie orogen, China.**

---