

資源地質学会第 74 回年会学術講演会
[The 74th Annual Meeting of the Society of Resource Geology]

[日時] 2025 年 6 月 25 日(水)・26 日(木)・27 日(金)
[June 25th-27th, 2025]

[会場] 東京大学小柴ホールおよびオンライン (Zoom)
[Koshiba Hall, the University of Tokyo and on-line (Zoom)]

第 1 日目 6 月 25 日(水) [June 25th]

10:30～10:45 会長挨拶 [Opening speech by the president]
10:45～10:50 総会 [Resolution]
10:50～11:00 表彰式 [Awards ceremony]
11:00～11:30 表彰者講演 [Presentations by award recipients]
13:30～17:30 シンポジウム 「インドネシアの鉱物資源」(Mineral Resources of Indonesia)
(S-01～S-06)
共催：独立行政法人 エネルギー・金属鉱物資源機構(JOGMEC)
17:45～19:45 懇親会 [Social gathering]

第 2 日目 6 月 26 日(木) [June 26th]

8:40～9:40 学術講演 一般講演 [Oral sessions] (O-01～O-04)
9:40～9:50 休憩 [Break]
9:50～10:50 学術講演 一般講演 [Oral sessions] (O-05～O-08)
10:50～11:00 休憩 [Break]
11:00～12:00 学術講演 一般講演 [Oral sessions] (O-09～O-12)
12:00～13:00 昼休み [Lunch time]
13:00～14:45 ポスターセッションコアタイム (第一部: P-01～P-19)
[Poster session core time: Part I]
14:45～16:00 学術講演 一般講演 [Oral sessions] (O-13～O-17)
16:00～16:15 休憩 [Break]
16:15～17:30 学術講演 一般講演 [Oral sessions] (O-18～O-22)
17:40～ 評議員会 [Board meeting]
17:30～20:30 若手研究委員会・懇親会 [Young Union's general meeting and social gathering]

第 3 日目 6 月 27 日(金) [June 27th]

8:40～9:40 学術講演 一般講演 [Oral sessions] (O-23～O-26)
9:40～9:50 休憩 [Break]

9:50～10:50	学術講演	一般講演 [Oral sessions]	(O-27～O-30)
10:50～11:00	休憩 [Break]		
11:00～12:00	学術講演	一般講演 [Oral sessions]	(O-31～O-34)
12:00～13:00	昼休み [Lunch time]		
13:00～14:45	ポスターセッションコアタイム（第二部: P-20～P-37） [Poster session core time: Part II]		
14:45～16:00	学術講演	一般講演 [Oral sessions]	(O-35～O-39)
16:00～16:15	休憩 [Break]		
16:15～17:15	学術講演	一般講演 [Oral sessions]	(O-40～O-43)
17:15～	学生講演賞・学生ポスター賞表彰式* [Student presentation awards ceremony]		

* 学生講演賞，学生ポスター賞については，研究内容(新規性，重要性など)および発表スタイル(フォーマット，発表態度，質疑応答など)の観点から審査が行われます。

* For the Student Oral and Poster Presentation Awards, presentation contents (novelty, significance, etc) and style (organization, audience engagement, discussion, etc) will be evaluated.

年会講演会参加登録料（オンライン参加も現地参加と同額です）

- ・ 資源地質学会正会員（3日間）： 4,000 円
- ・ 資源地質学会正会員学生（3日間）： 2,000 円
- ・ 非会員（3日間）： 8,000 円
- ・ 非会員（シンポジウムのみ）： 5,000 円
- ・ 懇親会費： 6,000 円
- ・ 懇親会費（学生）： 5,000 円

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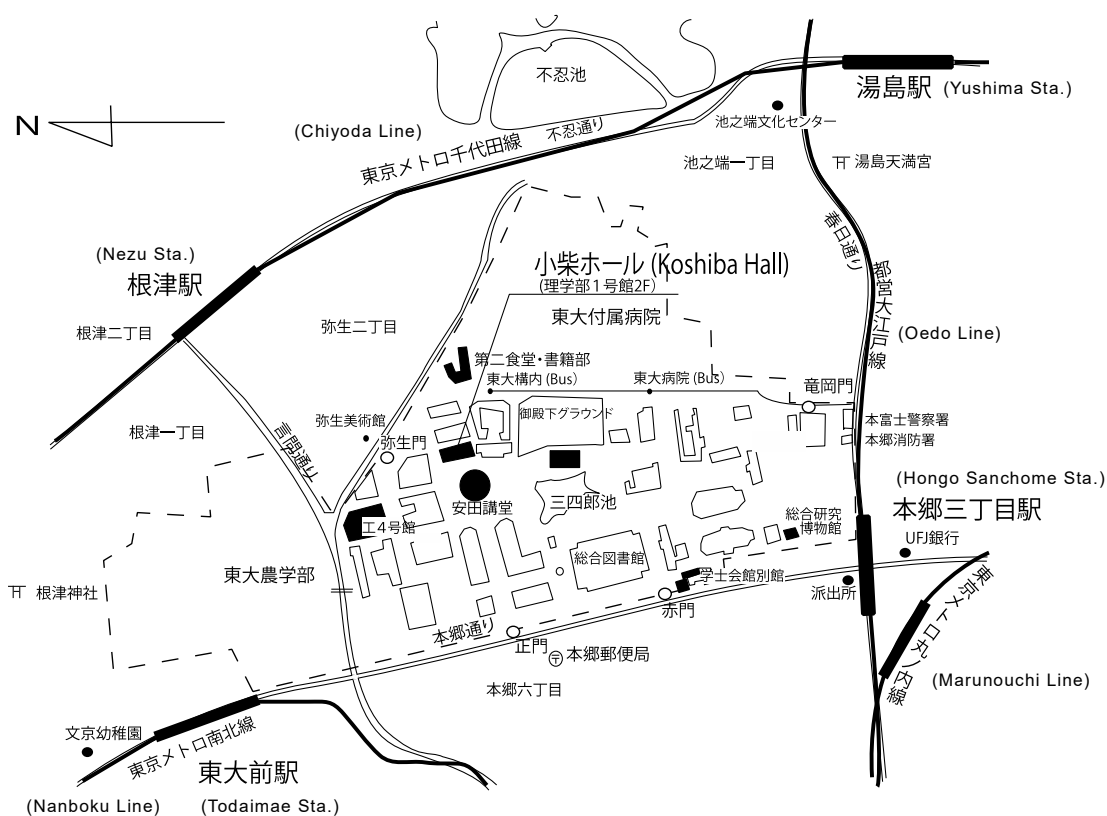
Registration fee for the Annual Meeting of SRG (same for on-site and online attendances)

- SRG member (3 days): 4,000 JPY
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- Non-SRG member (3 days): 8,000 JPY
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6 月 25 日(水)

10:30-11:30

10:30-10:45 会長挨拶 霜鳥 洋 [Opening speech by the president]

10:45-10:50 総会 [Resolution]

10:50-11:00 表彰式 [Awards ceremony]

11:00-11:30 表彰者講演 [Presentation by award recipients]

BAA(The Best Article Award)講演

「Genesis of sediment-hosted copper and silver mineralization at the Omatapati prospect, Kaoko Belt, Opuwo district, Kunene region, Namibia」

Abner Nghoongoloka, Ryohei Takahashi, Pearlyn Manalo, Andrea Agangi, Hinako Sato, Helke Mocke, Manuel Nopeia, Nigel Blamey,

Tavis Enno and Rob Bowell

シンポジウム：インドネシアの鉱物資源
[Symposium: Mineral Resources of Indonesia]

共催 [Co-sponsored by]:

独立行政法人 エネルギー・金属鉱物資源機構（JOGMEC）

コンビーナー：実松健造, Tomy Alvin Rivai, 武田哲一

Conveners: Kenzo Sanematsu, Tomy Alvin Rivai and Tetsuichi Takeda

座長：実松健造 [Kenzo Sanematsu]

13:30-13:35 閉会挨拶・趣旨説明 [Opening remark]

実松健造

13:35-14:05 **S-01** Overview of Mineral Resources and Their Downstreaming Strategy in Indonesia

○Yu Kawakami (JOGMEC Jakarta Office)

14:05-14:35 **S-02** Nickel laterite deposits in Indonesia : Geological overview, resource grade and tonnage variations and their implication for future nickel ores demand of smelting operation *

○Ade Kadarusman (Univ. Indonesia, AKGC) and Asmariyadi (AKGC)

14:35-14:50 休憩 [Break]

座長：Tomy Alvin Rivai

14:50-15:20 **S-03** Overview of Indonesian Porphyry Copper-Gold Deposits: Where is the next giant discovery? *

○Adi Maryono (MGEI, CODES) D.R. Cooke (CODES), I. Rompo (MGEI, J Resources), J. Arif (MGEI, J Resources) and L. Zhang (CODES)

15:20-15:50 **S-04** Overview of epithermal gold deposits in Indonesia: An Emphasis on those occurred along Sunda arc *

○Arifudin Idrus (Univ. Gadjah Mada) and Sukmandaru Prihatmoko (PT. Gemintang Prima Mineral)

15:50-16:05 休憩 [Break]

座長：武田哲一 [Tetsuichi Takeda]

16:05-16:35 **S-05** The Bangka Belitung Archipelago : A treasure trove of tin *

○Zulfikar Amarullah (PT Timah)

16:35-17:05 **S-06** Geology and mineral resources estimation of bauxite deposits in Indonesia *

○Tomy Alvin Rivai (ITB, MGEI)

17:05-17:25 総合討論 [General discussion]

17:25-17:30 閉会挨拶 [Closing Remark]

武田哲一

* : Invited presentation, ○: Presenter

6月26日(木)

8:40-9:40

学 術 講 演
一 般 講 演 [Oral Sessions]

座長：実松健造 [Kenzo Sanematsu]

8:40-8:55 **O-01** Bushveld 複合貫入岩体 northern limb における磁鉄鉱の産状と微量元素組成

[Magnetite occurrence and trace element composition in the northern limb of the Bushveld complex]

○小島満天(北大), 山崎陽生(信州大, 産総研), 昆 慶明(産総研),
Joseph Godirilwe(北大, Botswana Geosci. Inst.),
菊池亮佑, 大竹 翼(北大)

[○M. Kojima (Hokkaido Univ.), Y. Kon (AIST),
J. Godirilwe (Hokkaido Univ., BGI), R. Kikuchi (Hokkaido Univ.)
H. Yamazaki (Shinshu Univ., AIST) and T. Otake (Hokkaido Univ.)]

8:55-9:10 **O-02** タンザニア東部, モロゴロ州, Maji Ya Weta カーボナタイトと関連する希土類元素鉱物

[○Occurrence of REE bearing minerals in Maji Ya Weta Carbonatite, Morogoro Region, eastern Tanzania]

○中島涼佑(九大), Mutasingwa Almachius Tryphone (九大, Dodoma Univ.),
Saefudin Juhri, 伊藤 茜, 米津幸太郎, 今井 亮 (九大)
[○R. Nakashima (Kyushu Univ.), M. A. Tryphone (Kyushu Univ., Dodoma Univ.), S. Juhri, A. Ito, K. Yonezu and A. Imai (Kyushu Univ.)]

9:10-9:25 **O-03** Geochemistry, provenance and metamorphic evolution of graphite host rocks in the Namapwia and Makanjira prospects, Ruangwa district, Lindi, Tanzania

○M. Shaha, A. Agangi, R. Takahashi, P. Manalo and H. Sato (Akita Univ.)

9:25-9:40 **O-04** Petrogenesis of granitoids in the Paleoproterozoic Birimian terrane, SW Ghana: Insights from oxygen isotope and whole rock geochemistry

○D.S. Adokoh (GGSA) and K. Adomako-Ansah (Univ. Mines Tech.)

9:40-9:50 休憩 [Break]

座長：佐藤永太郎 [Eitaro Sato]

9:50-10:05 **O-05** ハイパースペクトル画像と深層学習による Ni ラテライト鉱床の風化層の判別

[Identification of weathering layers of Ni laterite deposits using hyperspectral imaging and deep learning]

○古川皓一，岡田夏男，菊池亮佑，大友陽子，川村洋平，
大竹 翼（北大）

[○K. Furukawa, N. Okada, R. Kikuchi, Y. Ohtomo,
Y. Kawamura and T. Otake (Hokkaido Univ.)]

10:05-10:20 **O-06** 南薩型金鉱床におけるハイパースペクトル画像と AI を用いた酸性変質帯の判別

[Identification of acidic alteration zones in Nansatsu-type epithermal gold deposits using hyperspectral imaging and machine learning]

○奈須野恵介，佐藤颯哉，斎藤 玄（JX 金属）
大竹 翼，岡田夏男，川村洋平，菊池亮佑，佐藤 努（北大）

[○K. Nasuno, R. Sato, G. Saito (JX Advanced Metals),
T. Otake, N. Okada, Y. Kawamura, R. Kikuchi
and T. Sato (Hokkaido Univ.)]

10:20-10:35 **O-07** マルチスペクトルカメラ搭載ドローンによるリチウム鉱石の探査システム開発

[Development of the lithium ore exploration system using a drone equipped with a multispectral camera]

○若江史生，滝澤海斗，岡田夏男，石渡翔丸，菊池亮佑(北大)，
Gurbadam (モンゴル科技大)，大友陽子，川村洋平(北大)，
Jargalan Sereenen (モンゴル科技大)

[○S. Wakae, K. Takizawa, N. Okada, T. Ishiwata, R. Kikuchi (Hokkaido Univ.), Gurbadam (Mongolian Univ. Sci. Tech.), Y. Ohtomo, Y. Kawamura (Hokkaido Univ.), Jargalan Sereenen (Mongolian Univ. Sci. Tech.)]

10:35-10:50 **O-08** Volcano-tectonic setting of the northern part of Chacana caldera, Ecuador: Preliminary insights for geothermal exploration

○D. Asimbaya-Amaguaña, K. Yonezu, A. Ito, J. Saefudin
and A. Imai. (Kyushu Univ.)

10:50-11:00 休憩 [Break]

座長：伊藤 茜 [Akane Ito]

- 11:00-11:15 **O-09** Geochemistry of the intermediate-sulfidation epithermal veins of the Felicia orebody, Lepanto, Mankayan, Philippines
○Y. Awano, P. Manalo, R. Takahashi, A. Agangi, H. Sato, S. Nohara (Akita Univ.), A. Imai (Kyushu Univ.), J. Gabo-Ratio (Univ. Phils.), K. Kouzmanov (Univ. Geneva), L. Subang and J. Matula (Lepanto Consol.)
- 11:15-11:30 **O-10** Mineral chemistry of enargite from the Lepanto Main orebody, Lepanto, Mankayan, Philippines
○T. Kon, P. Manalo, R. Takahashi, A. Agangi, H. Sato (Akita Univ.), R. Claveria (Ateneo de Manila Univ.), K. Kouzmanov (Univ. Geneva), A. Imai (Kyushu Univ.), J. Gabo-Ratio (Univ. Phils.) and L. Subang (Lepanto Consol.)
- 11:30-11:45 **O-11** Magmatic and hydrothermal signatures of an alkalic-intrusion hosted porphyry Cu prospect in Cordon, Isabela, Philippines
○P. Manalo, A. Yaginuma, M. Nopeia, O. Soberano, R. Takahashi, H. Sato, H. Balmater, A. Agangi (Akita Univ.), K. Kouzmanov (Univ. Geneva), A. Imai (Kyushu Univ.), J.A. Gabo-Ratio (Univ. Phils.) and G. P. Yumul Jr. (Cordillera Explo.)
- 11:45-12:00 **O-12** Regional ore-controlling structures of polymetallic prospects in the Cordon Project, northern Philippines revealed from UAV magnetic data
○R.A. Ramos, G.P. Yumul, Jr., R.A. Alonso, M.S.A. Feliciano, F.J.A. Mendoza, J.B. Muhi and R.R. Bobis (TerraOre Geoscience)

12:00-13:00 昼休み [Lunch time]

13:00-14:45 ポスターコアタイム：第一部 [Poster core time for P-01 to P-19: Part I]

座長：Pearlyn Manalo

- 14:45-15:00 **O-13** Mineralization potential from geophysics, mineralogy, and textural indicators of an alkalic porphyry Cu-Au prospect in Isabela, Philippines
○M.S.A. Feliciano, G.P. Yumul, Jr., F.J.A. Mendoza, R.A. Ramos and J.B. Muhi (Cordillera Explo.)

- 15:00-15:15 **O-14** Preliminary Characterization of the Dallao Prospect, Cordon, Philippines: Insights from Mapping, Geophysical, Geochemical, and Spectral Data
 ○F.J.A. Mendoza, G.P. Yumul Jr., R.A. Alonso, M.S.A. Feliciano, R.A. Ramos, J.B. Pacayaya, C.P. Pacay and J.B. Muhi (Cordillera Explo.)
- 15:15-15:30 **O-15** Basin rifting, plateau subduction, and magma silica saturation: Causes and consequences in the generation of the Cordon (North Philippines) alkalic-rock hosted Au-Cu mineralization
 ○G.P. Yumul, Jr. (CEXCI, Univ. Phils.), M.S.A. Feliciano, F.J.A., Mendoza, R.A. Ramos, F.T. Jumawan, J.B.S. Pacayaya (CEXCI), C.B. Dimalanta (Univ. Phils), P. Manalo, H. Balmater (Akita Univ.) and J.A. Gabo-Ratio (Univ. Phils)
- 15:30-15:45 **O-16** The Preliminary Study of Mineralization in the Themei North Prospect of the Andong Bor Porphyry Copper Deposit, Northwest Cambodia
 ○S. Say (Kyushu Univ., Inst. Tech. Cambodia), K. Yonezu, A. Imai, A. Ito (Kyushu Univ.) and J.C. Menzies (Continental Copper)
- 15:45-16:00 **O-17** Geochemical Characteristic of Intrusive Rocks in Canada Wall, Andong Meas District, Ratanakiri Province, Northeastern Cambodia
 ○K. Oy, K. Yonezu, A. Ito (Kyushu Univ.), M. Weeks (Angkor Resources), S. Sirisokha (Inst. Tech. Cambodia), D. Ouellette, S. Reach (Angkor Resources) and A. Imai (Kyushu Univ.)
- 16:00-16:15 休憩 [Break]

座長 : Tomy Alvin Rivai

- 16:15-16:30 **O-18** Sassak porphyry to epithermal-type mineralization, South Sulawesi, Indonesia: Constraints on microtextural relationship, ore mineralogy, and quartz-hosted fluid inclusion
 ○Arif, A. Imai, K. Yonezu (Kyushu Univ), I. Nur (Hasanuddin Univ.), A. Ito and S. Juhri (Kyushu Univ.)
- 16:30-16:45 **O-19** Geochemical variations of proximal to distal garnet in the Batubesi skarn Fe-Sn deposit, Belitung Island, Indonesia
 ○E. G. W. Suharjo, R. Takahashi, A. Agangi, P. Manalo, M. Nopeia, H. Sato (Akita Univ.), Syafrizal (ITB), M. S. Sugiharto and A. Murtono (PT Timah)

gold deposit, Fukuoka Prefecture, Japan]

○荒井創大郎, 鳥本淳司(早大), 実松健造(産総研), 大鹿淳也
(Cipango Resources), 五ノ井祐二(早大), 野崎達生(早大, 東大)
[○S. Arai, J. Torimoto (Waseda Univ.), K. Sanematsu (AIST), J. Oshika
(Cipango Resources), Y. Gonoï (Waseda Univ.) and T. Nozaki (Waseda
Univ., Univ. Tokyo)]

- 9:25-9:40 **O-26** 鹿児島県北薩地域, 山ヶ野金鉱山東部の深部鉱化作用について
[Mineralization at depth, East of the Yamagano Gold Mine, Hokusatsu
District, Kagoshima Prefecture]
○宮武修一(アービングリソースジャパン), Ryan Congdon (Newmont
Explo.), Thomas T. Sorulen, Leeysmen Hulijeri, 岡田 力, 吉江 隆,
Quinton Hennigh (Irving Resources Inc.)
[○S. Miyatake (Irving Resources Japan), R. Congdon (Newmont Explo.),
T.T. Sorulen, L. Hulijerim, C. Okadam, T. Yoshie and
Q. Hennigh (Irving Resources)]

9:40-9:50 休憩 (Break)

座長 : 荒岡大輔 [Daisuke Araoka]

- 9:50-10:05 **O-27** Characterization of lithium-bearing pegmatite in Sakihama, Iwate, Japan
○H.V. Nhatinombe, R. Takahashi, A. Agangi, P.C. Manalo
and H. Sato (Akita Univ.)
- 10:05-10:20 **O-28** Geochemical and mineralogical characteristics of lithium-bearing
pegmatites and associated granites in Charin and Krarokdong areas,
Kanchanaburi Province Thailand
C. Murota, ○R. Takahashi (Akita Univ.), P. Charusiri (DMR, Thailand),
A. Veeravinantanakul, P. Nualkhao, P. Pisaipan, N. Kaewlaiad,
W. Hongpattama (Mahidol Univ.), P. Jangprai (Ruangsri Thawee),
P. Manalo, A. Agangi, M. Nopeia, J. Macuroy and H. Sato (Akita Univ.)
- 10:20-10:35 **O-29** Exploration vectors to lithium mineralisation in the Saltpond area, Ghana:
Constraints from multi-element geochemistry and multivariate statistical
analysis
○A.-R. Shaibu Ballah (Atlantic Lithium), K. Adomako-Ansah (Univ. Mines

Tech.) and E. D. Sunkari (Univ. Mines Tech., Univ. Johannesburg)

10:35-10:50 **O-30** Mineralogical and geochemical characteristics of pegmatites in the Ewoyaa and Biriwa Areas, southern Ghana and their implications for the evolution, enrichment and exploration for lithium

E.Agyekum and ○K. Adomako-Ansah (Univ. Mines Tech.)

10:50-11:00 休憩 (Break)

座長：青木翔吾 [Shogo Aoki]

11:00-11:15 **O-31** Tectonic Setting of the Banded Iron Formation of the Zuru Schist Belt, Nigeria: Insights from Hematite and Zircon U-Pb Dating

○A. Busuma and M. Fukuyama (Akita Univ.)

11:15-11:30 **O-32** スカルン鉱石中の赤鉄鉱の U-Pb 年代

[LA-ICP-MS U-Pb dating of hematite in skarn ore]

○福山繭子 (秋田大), 小笠原正継 (ジオサイエンスラボラトリ)

[○M. Fukuyama (Akita Univ.) and M. Ogasawara (Zipang GeoLab)]

11:30-11:45 **O-33** 赤鉄鉱に卓越した熱水性銅-金鉱化作用：新潟県赤谷-三川地域の例
[Hematite-dominated hydrothermal Cu-Au mineralization: Example for Akatani-Mikawa area, Niigata, Japan]

○瀬野洸太郎, 渡辺 寧, 越後拓也, 青木翔吾(秋田大),
左部翔大, 昆 慶明(産総研)

[○K. Seno, Y. Watanabe, T. Echigo, S. Aoki (Akita Univ.),
S. Satori and Y. Kon (AIST)]

11:45-12:00 **O-34** 山梨県西沢溪谷上流部の斑岩銅鉱床型変質帯
[The porphyry copper type alteration around the upper part of the Nishizaawa River, Yamanashi Prefecture.]

○宮下 敦 (放送大), 林 歳彦 (JOGMEC), 村上浩康 (早大),
矢野萌生(千葉工大), 山岡 健 (産総研)

[○A. Miyashita (OUJ), T. Hayashi (JOGMEC), H. Murakami (Waseda Univ.), M. Yano (Chiba Inst. Tech.) and K. Yamaoka (AIST)]

12:00-13:00 昼休み [Lunch time]

13:00-14:45 ポスターコアタイム：第二部 [Poster core time for P-20 to P-37: Part II]

座長：藤巻 勇帆 [Yuho Fujimaki]

14:45-15:00 **O-35** 東青ヶ島海丘カルデラ熱水サイト試料の鉱物学的記載および鉛同位体比組成

[Mineralogical and lead isotopic study on samples at the Higashi-Aogashima Knoll Caldera hydrothermal site]

○石田健太郎(早大), 石田美月(ロンドン自然史博物館, 関西学院大),
鳥本淳司(早大), 常青(海洋機構), 高谷雄太郎(東大, 早大),
石橋純一郎(神戸大), 加藤泰浩(東大, 千葉工大),
山下幹也(産総研), 五ノ井祐二(早大), 野崎達生(早大, 東大)
[○K. Ishida (Waseda Univ.), M. Ishida (Natural History Museum, Kwansei Gakuin Univ.), J. Torimoto (Waseda Univ.), Q. Chang (JAMSTEC), Y. Takaya (Univ. Tokyo, Waseda Univ.), J. Ishibashi (Kobe Univ.), Y. Kato (Univ. Tokyo, Chiba Inst. Tech.), Y. Gonoï (Waseda Univ.) and T. Nozaki (Waseda Univ., Univ. Tokyo)]

15:00-15:15 **O-36** 東青ヶ島海丘カルデラ熱水鉱床の高金濃度黄鉄鉱

[High gold concentration in pyrite from the Higashi-Aogashima Knoll Caldera hydrothermal deposit]

○森下祐一(静岡大), 野崎達生, 鳥本淳司(早大),
高畑直人, 高谷雄太郎(東大)

[○Y. Morishita (Shizuoka Univ.), T. Nozaki, J. Torimoto (Waseda Univ.),
N. Takahata and Y. Takaya (Univ. Tokyo)]

15:15-15:30 **O-37** 秋田県餌釣黒鉄鉱床に含まれる黄鉄鉱の局所硫黄同位体比組成—初期
鉄化作用における微生物硫酸還元への寄与—

[In situ sulfur isotope composition of pyrite from the Ezuri Kuroko-type volcanogenic massive sulfide deposit, northeastern Japan: Contribution of microbial sulfate reduction to initial sulfide mineralization]

○野崎達生(早大, 東大), 長瀬敏郎(東北大), 牛久保孝行,
清水健二(海洋機構), 小室光世(富山大)

[○T. Nozaki (Waseda Univ., Univ. Tokyo), T. Nagase (Tohoku Univ.),
T. Ushikubo, K. Shimizu (JAMSTEC) and K. Komuro (Univ. Toyama)]

15:30-15:45 **O-38** Petrographical and geochemical constraints on the mode of occurrence of
Au and Ag in Kuroko ores: Insights from the Furutobe and Matsumine
deposits, Akita, Japan

○M. Nopeia, A. Didari, A. Agangi, R. Takahashi and P. Manalo (Akita Univ.)]

15:45-16:00 **O-39** マルチプル硫黄同位体組成から見た太古代 Abitibi 緑色岩帯に産する塊状硫化物鉱床の成因
[Origin of Archean VMS deposits in Abitibi Greenstone Belt in Canada:
Constraints from multiple sulfur isotopes]

○掛川 武（東北大）
[○T. Kakegawa (Tohoku Univ.)]

16:00-16:15 休憩 (Break)

座長：左部翔大 [Shota Satori]

16:15-16:30 **O-40** Geochemical characteristics of chlorite in veins and altered host rocks at the Osarizawa Cu-Au epithermal deposit, Japan

○J. Macuroy, N. Aoki and R. Takahashi (Akita Univ.)

16:30-16:45 **O-41** 花崗岩質メルト包有物を用いた丹沢トータル岩体の銅鉱床形成能力の検討
[Potential for copper deposit formation in the Tanzawa tonalite complex
examined using granitic melt inclusions]

○天谷宇志（産総研），黒澤正紀（筑波大学）
[○T. Amagai (AIST) and M. Kurosawa (Univ. Tsukuba)]

16:45-17:00 **O-42** ドロマイトの化学組成とその多変量解析による鉱床タイプの判別
[Classification of deposit types by dolomite chemistry and multivariable
analyses]

○荒岡大輔（産総研），板野敬太（秋田大），George J. Simandl (Univ.
Victoria), Suzanne Paradis (Geol. Surv. Canada), 吉村寿紘(JAMSTEC)
[○D. Araoka (AIST), K. Itano (Akita Univ.), G. J. Simandl (Univ. Victoria),
S. Paradis (Geol. Surv. Canada) and T. Yoshimura (JAMSTEC)]

17:00-17:15 **O-43** イオン吸着型希土類鉱床の特徴：なぜ低品位鉱が採掘可能なのか？
[Characteristics of ion-adsorption type REE deposits: Why are the low-grade
ores minable?]

○実松健造，長澤 真（産総研）
[○K. Sanematsu and M. Nagasawa (AIST)]

○：発表者 [Presenter]

____：下線の発表番号は学生講演賞対象

[Underlined presentation number is nominated for the Student Oral Presentation Award.]

ポスターセッション [Poster sessions]

6月26日(木)および6月27日(金)

全てのポスターは二日間掲示されますが、コアタイムは二部（第一部: 6月26日 13:00～14:45; 第二部: 6月27日 13:00～14:45）に分かれています。

Although all the posters are posted on the assigned panel for the two days (June 26th and 27th), core time presentations are separated into the two parts (Part I: 13:00–14:45 on June 26th and Part II: 13:00–14:45 on June 27th).

第一部（6月26日）： [Part I (June 26th)]

- P-01** Bushveld 複合岩体 Platreef における 'PGE-スカルン' を含む接触変成岩
[Contact metamorphic rocks containing 'PGE-skarn' of the Platreef, Bushveld Complex]
○窪田 朔也, 越後 拓也, 渡辺 寧(秋田大)
[○S. Kubota, T. Echigo and Y. Watanabe (Akita Univ.)]

- P-02** Blockspruit 及び Ruigtepoort 両地域における鉄アクチノ閃石岩の記載
[Petrography of ferro-actinolite rocks from the Blockspruit and Ruigtepoort areas in Central Bushveld Complex, South Africa]
○飛田 優音, 渡辺 寧, 越後 拓也, 青木 翔吾(秋田大)
[○Y. Tobita, Y. Watanabe, T. Echigo and S. Aoki (Akita Univ.)]

- P-03** Texture and geochemical characteristics of chromite from the UG2 Reef in the Eastern limb, Bushveld Complex, South Africa
○R. Sato, A. Agangi, R. Takahashi, P. Manalo and M. Nopeia (Akita Univ.)

- P-04** ブッシュフェルト複合岩体 LG6 に産するノジュール状クロミタイトの鉱物学的特徴とその形成機構
[Mineralogy and formation mechanism of nodular chromite from the LG6 in the Bushveld Complex]
○大泉 優剛, 越後 拓也(秋田大)
[○Y. Oizumi and T. Echigo (Akita Univ.)]

- P-05** Whole rock and mineral chemistry of Cu-rich carbonatite and phoscorite in the Phalaborwa Complex, South Africa
○J. Hirako, A. Agangi, R. Takahashi, P. Manalo and H. Sato (Akita Univ.)

- P-06** Mineral assemblages and paragenesis of the Senjele Hill Carbonatite, Songwe Region, southwestern Tanzania
 ○Z. M. Mpangile (Geol. Surv. Tanzania, Kyushu Univ.), A. Imai, A. Ito, S. Juhri and K. Yonezu (Kyushu Univ.)
- P-07** The origin of carbonates associated with vein-type Sb-Au deposits of the Murchison Greenstone Belt, South Africa
 ○K. Kageyama, A. Agangi, R. Takahashi, P. Manalo, H. Sato (Akita Univ.) and V. Mashoene (Stibium Mopani Mine)
- P-08** Mineralogy and sulfur isotope characteristics of the Chirumbu sediment-hosted copper-gold prospect in Kaokoland, northwest Namibia
 ○E. Iiyambo (Akita Univ., GSN), R. Takahashi, P. Manalo, A. Agangi, H. Sato, M. Nopeia, O. Soberano (Akita Univ.), J. Shilunga (Barrick Gold), G. Kalumbu (Gecko Explor.) and A. Ngoongoloka (GSN)
- P-09** Geological and geochemical characterization of the Massamba Fe-Ti deposits, Tete Suite, Mozambique
 ○P. Francisco, A. Agangi, R. Takahashi, P. Manalo, H. Sato, M. Nopeia and G. Bunga Naen (Akita Univ.)
- P-10** Mineralogy, sulfur isotopes, and fluid inclusion characteristics of the Tujuh Bukit porphyry copper and gold deposit, Banyuwangi, East Java, Indonesia
 ○R. Takeda, R. Takahashi (Akita Univ.), R. Taube, M. H. Rahadi, O. Syarief, R. Widisaputra (Bumi Suksesindo), A. Idrus (Gadjah Mada Univ.), N. Blamey, T. Enno (Western Univ.), A. Agangi, P. Manalo and H. Sato (Akita Univ.)
- P-11** Evolution of Mineralization in a Blind Cu-Au Porphyry System: Petrographic and Ore Microscopy Constraints from the Guinaoang Deposit, Mankayan Mineral District
 ○M.J. Novero, Y. Sugioka, K. Yonezu, A. Imai (Kyushu Univ.), J.A. Gabo-Ratio (Univ. Phils.), C.J. Ascaño and J.N. Ayson (Crescent Mining)
- P-12** A study on the distribution of alteration zones and the vein formation in PAGASA porphyry copper prospect, Mindanao, Philippines
 ○K. Kizaki, A. Imai (Kyushu Univ.), A. R. B. Tizon, J. A. Gabo-Ratio (Univ. Phils.), J. A. V. Amoroso, R. Mendaje Jr. (Apex Mining), K. Yonezu and A. Ito (Kyushu Univ.)

- P-13** Physicochemical conditions of mineralization at the Gudang Handak vein group of the Pongkor Au-Ag deposit, West Java, Indonesia
 ○S. Hilal (Akita Univ, Antam), R. Takahashi, A. Agangi, P. Manalo, J. Macuroy, M. Nopeia, H. Sato, (Akita Univ.), M. F. Rosana (Padjadjaran Univ.), A. Bari, B. Sutopo and B. Jokosatriyo (Antam)
- P-14** Ore-forming conditions of the Leon sediment-hosted gold deposit, Ratatotok district, Indonesia: Insights from trace element and sulfur isotope compositions of sulfides
 ○M. A. Azzaman, R. Takahashi, A. Agangi, P. Manalo, H. Sato, M. Nopeia (Akita Univ.), A. Idrus (Univ. Gadjah Mada) and D. R. Simbolon (PT. Sumber Energi Jaya)
- P-15** The hydrothermal veins in Cordon (northern Luzon Island, Philippines): Mineral textures and geochemistry
 ○H. Balmater, R. Takahashi, H. Sato, A. Agangi, P. Manalo (Akita Univ.), J. A. Gabo-Ratio (Univ. Phils.) and G. Yumul Jr. (CEXCI)
- P-16** Mineral paragenesis and geochemical characteristics of the South Teresa orebody, Lepanto, Mankayan, Philippines
 ○S. Nohara, P. Manalo, R. Takahashi, A. Agangi, H. Sato, Y. Awano (Akita Univ.), A. Imai (Kyushu Univ.), J. Gabo-Ratio (Univ. Phils.), L. Subang and J. Mahinay (Lepanto Consol.)
- P-17** チリ、アタカマコーザン鉱床下部における熱水の変遷
 [Evolution of hydrothermal fluid below of the main massive ore body of Atacama Kozan deposit in Chile]
 ○藤田和哉, 渡辺 寧, 越後拓也, 青木翔吾, 瀬野洸太郎 (秋田大)
 [○K. Fujita, Y. Watanabae, T. Echigo, S. Aoki and K. Seno (Akita Univ.)]
- P-18** 黄鉄鉱の溶解-再沈殿による金の再移動プロセスの検証：カナダ・Frotet 金鉱徴地
 [A Study of Gold Remobilization Process by Coupled Dissolution-Reprecipitation (CDR) of Pyrite in the Frotet Gold Prospect, Canada]
 ○原彬 (住友金属鉱山), 林謙一郎 (無所属), 石川弘真, 徳安真吾 (住鉱資源開発)
 [○A. Hara (SMM), K. Hayashi, H. Ishikawa and S. Tokuyasu (SRED)]
- P-19** The source of gold: Triassic calcareous and metalliferous sedimentary rocks in the South Kitakami Belt, Japan
 ○J.B. Born, Y. Watababe, T. Echigo T. Mimura (Akita Univ.) and Y. Kon (AIST)

第二部 (6 月 27 日) : [Part II (June 27th)]

P-20 Hydrothermal alteration of phyllites hosting the Makimine VMS deposit, Miyazaki Prefecture, Southwest Japan

○F. Feleke, T. Otake, A. Hoshi, R. Kikuchi (Hokkaido Univ.)
and K. Nakayama (Kochi Univ.)

P-21 交代型蛍石鉱床の流体包有物：神武－三原鉱床の例

[Fluid inclusion study of the Jinmu-Mihara fluorite deposit, Hiroshima Pref., Japan.]

○砂田雅裕, 越後拓也, 青木翔吾 (秋田大)
[○M. Sunada. T. Echigo. and S. Aoki (Akita Univ.)]

P-22 フィリピン、ブラカン州北東部、バカルピットにおける鉄スカルン鉱化作用

[Preliminary investigation of Fe-skarn mineralization in Bakal pit, Northeastern Bulacan, the Philippines]

○岩本虎汰朗, 米津幸太郎, 伊藤 茜, Saefudin Juhri (九大), Cecil Martinez (Ore Asia Mining), J. A. Gabo-Ratio (フィリピン大), 今井 亮(九大)
[○K. Iwamoto, K. Yonezu, A. Ito, S. Juhri (Kyushu Univ.), C. Martinez (Ore Asia Mining), J. A. Gabo-Ratio (Univ. Phils.) and A. Imai (Kyushu Univ.)]

P-23 院内銀山異人館所蔵の鉱石標本中の銀鉱物とその産状

[Silver Minerals and Their Occurrence in Ore Specimens from the Innai Ginzan Ijinkan Museum, Akita, Japan]

○山内祥行(銚子市役所), Erdenebayar J.(モンゴル科技大, 鉱物資源科学ラボ),
緒方武幸(鉱物資源科学ラボ), 西川 治, 千田恵吾(秋田大)
[○Y.Yamauchi (Choshi City), J. Erdenebayar (Mongolian Univ. Sci. Tech., MIRS Lab LLC), T.Ogata (MIRE Lab LLC.), O.Nishikawa and K. Chida (Akita Univ.)]

P-24 秋田県川原毛温泉産 baryte 中に見出された stibiogoldfieldite 及び Ag-Pb-Bi-Sb-As-S 系鉱物

[Stibiogoldfieldite and Ag-Pb-Bi-Sb-As-S minerals in the baryte from the Kwarage
hotspring in Akita prefecture]

○田中崇裕 (日鉄鉱コンサルタント), 浜根大輔 (東大)
[○T. Tanaka (Nittetsu Mining Consultants) and D. Nishio-Hamane (Univ. Tokyo)]

P-25 Geochemical characteristics of weathering crust of the Wariki Granitoid, West Papua, Indonesia

○M. Mariana, R. Takahashi, A. Agangi, P. Manalo, H. Sato, M. Nopeia, G. Bunga Naen (Akita Univ.), I. Setiawan (BRIN) and D. V. Mamengko (Univ. Papua)

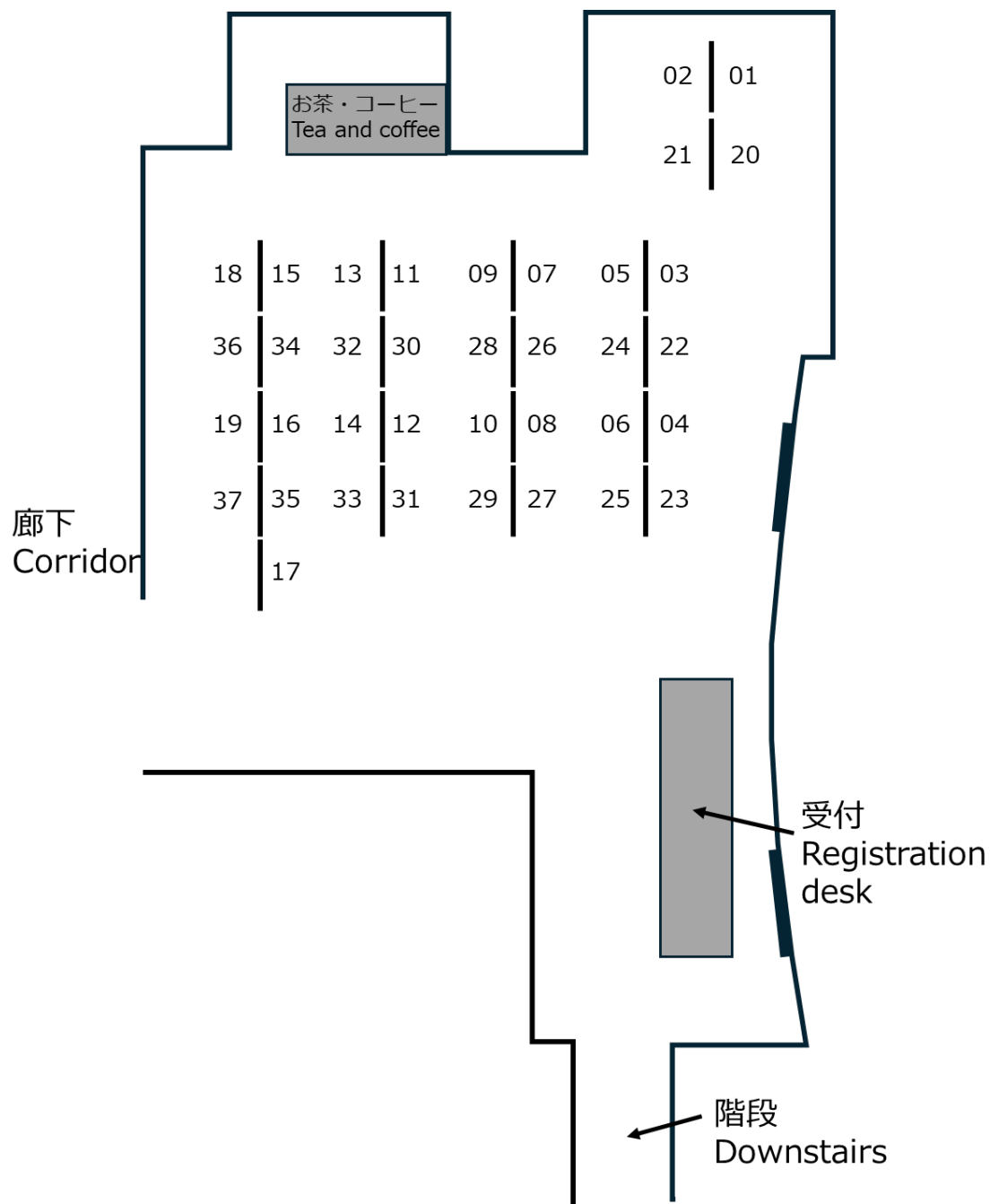
- P-26** Geological characteristics of the Doi Ngom W-Sb-F deposit, northern Thailand
 ○K. Phountong, R. Takahashi, P. Manalo, A. Agangi (Akita Univ.)
 and P. Charusiri (DMR, Thailand)
- P-27** Geology and mineralogy of lithium mineralization in the central east part of Mongolia
 ○E.Gurbadam, S.Jargalan (Mongolian Univ. Sci. Tech.)
 Y. Ohtomo, R. Kikuchi and S. Wakae (Hokkaido Univ.)
- P-28** 北海道赤沼の褐鉄鉱沈殿物の古地磁気研究
 [Paleomagnetism of the Akanuma limonite deposit in Hokkaido, Japan]
 ○川崎一雄, 澤田 渚 (富山大)
 [○K. Kawasaki and N. Sawada (Univ. Toyama)]
- P-29** 島根県出雲市大津町三谷の火砕岩の変質とベントナイト・ゼオライトの形成
 [Alteration of pyroclastic rocks and formation of bentonite and zeolite in Mitani, Otsu-cho,
 Izumo City, Shimane Prefecture, Japan]
 ○大平寛人, 松村郁哉, 柳瀬日向子, 柳瀬敦介 (島根大)
 [H. Ohira, F. Matsumura, H. Yanase and T. Yanase (Shimane Univ.)]
- P-30** 酸性泉由来タリウムの河川流下中の地球化学的挙動
 [Geochemical mobility of thallium originating from acid thermal waters during river
 transport]
 ○小川泰正, 石山大三, Jaish J. Chand (秋田大),
 S. Bernhardt, S.A. Wood (ノースダコタ大学)
 [○Y. Ogawa, D. Ishiyama, J.J. Chand (Akita Univ.)
 S. Bernhardt and S.A. Wood (North Dakota State Univ.)]
- P-31** Geochemical characteristics of groundwaters, hot spring waters, lake waters, and sediments
 in the Assal and Abhe areas, Djibouti
 ○D.A. Hassan, R. Takahashi, A. Agangi, H. Sato, P. Manalo, M. Nopeia
 and G.N.R. Bunga Naen (Akita Univ.)
- P-32** 偏光顕微鏡デジタルスキャナーを用いた苦鉄質岩中の鉱物相の定量解析
 [Quantitative analysis of mineralogical compositions in mafic rocks using a polarized light
 microscope digital scanner.]
 ○別府祐哉, 菊池亮佑, 大友陽子, 大竹 翼 (北大)
 [○Y. Beppu, R. Kikuchi, Y. Ohtomo and T. Otake (Hokkaido Univ.)]

- P-33** 東青ヶ島海丘カルデラ熱水域に観察される鉱石鉱物
 [Ore minerals in the Higashi-Aogashima Knoll Caldera hydrothermal field]
 ○梶原 碧, 栗林貴弘(東北大), 野崎達生(早大・東大), 長瀬敏郎(東北大)
 [○A. Kajiwara, T. Kuribayashi (Tohoku Univ.), T. Nozaki (Waseda Univ.)
 and T. Nagase (Tohoku Univ.)]
- P-34** 海底熱水鉱床に産する鉱石への中性子放射化分析の適用
 [Application of INAA to ores collected from seafloor massive sulfide deposits]
 ○石橋純一郎 (神戸大), 豊田 新 (岡山理科大), 米津幸太郎 (九大), 野崎達生
 (早大), 高谷雄太郎 (東大), 吉永尚生, 高宮幸一 (京大複合研)
 [○J. Ishibashi (Kobe Univ.), S. Toyoda (Okayama Univ. Sci.),
 K. Yonezu (Kyushuu Univ.), T. Nozaki (Waseda Univ.),
 Y. Takaya (Univ. Tokyo), H. Yoshinaga and K. Takamiya (KURNS)]
- P-35** 東青ヶ島海丘カルデラの鉱石中に観察された特徴的な成長組織
 [Characteristic growth texture of ore-minerals observed in Higashi-Aogashima Knoll
 Caldera samples]
 ○栗林貴弘, 長瀬敏郎 (東北大), 鳥本淳司 (早大),
 野崎達生 (早大, 東大)
 [○T. Kuribayashi, T. Nagase (Tohoku Univ.), J. Torimoto (Waseda Univ.)
 and T. Nozaki (Waseda Univ, Univ. Tokyo)]
- P-36** 東青ヶ島海丘カルデラの新規熱水サイト：South of East Site 産鉱石鉱物の産状と特
 徴について
 [New hydrothermal site in Higashi-Aogashima Knoll Caldera: Occurrences and
 characteristics of ore mineral from South of East Site]
 ○鳥本淳司(早大), 栗林貴弘, 長瀬敏郎(東北大), 石田健太郎(早大),
 野崎達生(早大, 東大)
 [○J. Torimoto (Waseda Univ.), T. Kuribayashi, T. Nagase (Tohoku Univ.),
 K. Ishida (Waseda Univ.) and T. Nozaki (Waseda Univ., Univ. Tokyo)]
- P-37** 機械学習を用いたコバルトリッチクラストの露出率推定
 [Estimation of cobalt-rich crust exposure rate using machine learning]
 ○藤巻勇帆, 山田 航, 森内博之, 中里佳央, 鈴島大貴(住鉱資源開発),
 鈴木瑛子(JOGMEC)
 [○Y. Fujimaki, W. Yamada, H. Moriuchi, Y. Nakasato, D. Suzushima (SRED)
 and A. Suzuki (JOGMEC)]

○ : 発表者 [Presenter]

___ : 下線の発表番号は学生ポスター賞対象

[Underlined presentation number is nominated for the Student Poster Presentation Award.]



ポスター配置図 (Layout for poster presentation)

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