

## Fluid venting as a submarine geological process controlling seafloor morphology and biology

Co-organized by OS4

Convener: Daniele Spatola [ECS](#) [Q](#)

Co-conveners: Daniele Casalbore [Q](#), Marzia Rovere [Q](#), Martina Pierdomenico [Q](#), Daniel Praeg [Q](#)

[Orals](#) ★ | Mon, 15 Apr, 14:00–15:30 (CEST) Room -2.20

[Posters on site](#) ★ | Attendance Mon, 15 Apr, 16:15–18:00 (CEST) | Display Mon, 15 Apr, 14:00–18:00 Hall X1

Session description

Orals: Mon, 15 Apr | Room -2.20

The oral presentations are given in a hybrid format supported by a Zoom meeting featuring on-site and virtual presentations. The button to access the Zoom meeting appears just before the time block starts.

Chairpersons: Daniele Spatola, Daniele Casalbore, Marzia Rovere

14:00–14:10 | EGU24-911 | [GM9.7](#) ★ | [ECS](#) | On-site presentation

[The role of substrate attributes as a driver for benthic epifaunal communities investigated applying OBIA techniques and image analysis on the Norskebanken cold seep site \(Arctic Ocean\)](#) ▶

Fereshteh Hemmateenejad, Luca Fallati, Giuliana Panieri, Pedro A. Ribeiro, Chiara Fusca, Benedicte Ferré, and Alessandra Savini [✉](#)

14:10–14:20 | EGU24-5051 | [GM9.7](#) ★ | [ECS](#) | [Highlight](#) | On-site presentation

[Systemic comparisons of the adaptations in symbiotic bathymodiolin mussels from diverse stages of hydrothermal vents and cold seeps](#) ▶

Ruoxuan Zhao, Jianzhou Xu, and Yanan Di [✉](#)

14:20–14:30 | EGU24-5523 | [GM9.7](#) ★ | [Highlight](#) | On-site presentation

[The unique geomorphology of submarine venting features as revealed by dropping lake levels in the Dead Sea](#) ▶

Michael Lazar, Danny Ionescu, and Christian Siebert [✉](#)

14:30–14:40 | EGU24-8298 | [GM9.7](#) ★ | [Highlight](#) | On-site presentation

[Fluid escape submarine geomorphological features in the NW Black Sea](#) ▶

Gabriel Ion, Adrian Popa, Constantin Lazăr, Vlad Apotrosaei Apotrosaei, and Florin Duțu [✉](#)

14:40–14:50 | EGU24-10370 | [GM9.7](#) ★ | On-site presentation

[Discovery of a major seafloor methane release site in Europe: The Landsort deep, Baltic Sea.](#) ▶

Marcelo Ketzer, Christian Stranne, Cheng Chang, Satoko Owari, Changxun Yu, Sebastien Migeon, Matt O'Regan, and Martin Jakobsson [✉](#)

14:50–15:00 | EGU24-15075 | [GM9.7](#) ★ | On-site presentation

[Are the foraminiferal assemblages useful proxy for detecting methane emissions in shallow water environments? the case of Scoglio d'Africa \(Tuscan Archipelago, Northern Tyrrhenian Sea\)?](#) ▶

Letizia Di Bella, Daniele Casalbore, Aida Maria Conte, Alessia Conti, Irene Cornacchia, Andrea D'Ambrosi, Giovanni Gaglianone, Michela Ingrassia, Daniele Spatola, Martina Pierdomenico, Claudio Provenzani, Tania Ruspandini, and Francesco Latino Chiocci [✉](#)

15:00–15:10 | EGU24-16419 | [GM9.7](#) ★ | [Highlight](#) | On-site presentation

[Insights into Seabed Fluid flows: Pockmark dynamics mapping and monitoring in Patras Gulf, Greece, Unveil Correlations to local tectonics and Earthquakes. The BLUEL project.](#) ▶

George Papatheodorou, Maria Geraga, Dimitris Christodoulou, Elias Fakiris, Efthimios Sokos, Zafeiria Roumelioti, Giuseppe Etiope, Sotiris kokkalas, Nikos Giannopoulos, Xenophon Dimas, Nikos Georgiou, Vasileios Giannakopoulos, and George Ferentinos [✉](#)

15:10–15:20 | EGU24-17022 | [GM9.7](#) ★ | On-site presentation

[Discovery of a unique submarine hydrothermal system between shallow photic and deep dark sites around the Greek island of Milos \(Aegean Sea, Greece\)](#) ▶

Solveig Bühring, Andrea Koschinsky, Wolfgang Bach, Marcus Elvert, Charlotte Kleint, Palash Kumawat, Joely Maak, Eva-Maria Meckel, Paraskevi Nomikou, Clemens Röttgen, and Enno Schefuß [✉](#)

15:20–15:30 | EGU24-21390 | [GM9.7](#) ★ | [Highlight](#) | On-site presentation

[Submarine Morphology Offshore Crotona \(Calabrian Accretionary Prism, Central Mediterranean\): Pockmark Fields and a Mud Diapir in a Mobile Shale Domain](#) ▶

Andrea Argnani and Marzia Rovere [✉](#)

Posters on site: Mon, 15 Apr, 16:15–18:00 | Hall X1

The posters scheduled for on-site presentation are only visible in the poster hall in Vienna. If authors uploaded their presentation files, these files are linked from the abstracts below, but only on the day of the poster session.

Display time: Mon, 15 Apr 14:00–Mon, 15 Apr 18:00