

VeReDo Kick-Off Workshop

Redox Disequilibrium in the Clouds of Venus – A Sign of Life?

12-15 November 2024

Space Research Institute, Graz, Austria

Agenda

Tuesday, 12 November 2024

14:00 Coffee & Welcome

14:30 Emmanuel Marcq*

EnVision/VenSpec Overview

15:00 Martin Ferus

WP ASH: Abiotic Synthesis of Hydrides
(experiments)

15:30 Giuseppe Cassone

Supercomputing ab initio approaches in prebiotic chemistry

16:00 Coffee Break

16:30 Discussion

17:00 Small group discussions

18:00 End

Wednesday, 13 November 2024

09:00 Coffee & Recap

09:30 Paul Rimmer

ARGO and the sulfur conundrum

10:00 Nidhi Baghera

Sulfur chemistry

10:30 Discussion

11:00 Coffee Break

11:30 Peter Woitke

WP CAV & predicted properties of solid particles in the Venus atmosphere

12:00 Kaustubh Hakim*

Exoplanet Ocean Chemistry under Carbonate-Silicate Cycling

12:30 Lunch Break

14:00 Janusz Petkowski*

Does life need water? The possibility of alternative biochemistry in concentrated sulfuric acid

14:30 Alexander Mahnert

The limits of extremophile life

15:00 Katerina Nemeckova*

Abiotic formation of methane on mineral substrate

15:30 Coffee Break

16:00 Discussion

16:30 Small group discussions

18:00 End

Dinner in the City

Thursday, 14 November 2024

09:00 Coffee & Recap

09:30 Helmut Lammer

WP VEV: Evolution of Venus-like Worlds

10:00 Fabian Weichtbold

Deriving elemental abundances through ICW

10:30 Discussion

11:00 Coffee Break

11:30 Cyril Wedlund

Venus Express Overview

12:00 Daniel Schmid

Venus flyby of BepiColombo

12:30 Lunch Break

14:00 Tereza Constatinou

Was Venus ever 'liquid-water' habitable?

14:30 Manuel Scherf

Venus atmospheric evolution

15:30 Coffee Break

16:00 Discussion

16:30 small group discussions

18:00 End

Friday, 15 November 2024

09:00 Coffee & Recap

09:30 Discussion

10:00 small group discussions

11:00 "Morning Coffee"

Bi-weekly coffee with the whole institute

11:30 Summary & Next Steps

12:00 Lunch

End of Workshop

Meeting Link:

Topic: VeReDo Kick-Off Meeting

Time: Nov 12, 2024 09:00 AM Amsterdam, Berlin, Rome, Stockholm, Vienna

Every day, until Nov 15, 2024, 4 occurrence(s)

Join Zoom Meeting:

<https://oeaw-ac-at.zoom.us/j/61571987512?pwd=umR8kAki4yvmqhIkZMDItU2wTxTbAT.1>

Meeting ID: 615 7198 7512

Passcode: 1fVuGp