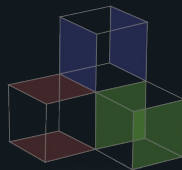


# BIRS Workshop: Open-Source Tools to Enable Geophysical Data Processing and Inversion

2023 | Banff, Canada



fatiando.org



simpeg.xyz



birs.ca

[birs-2023.softwareunderground.org](https://birs-2023.softwareunderground.org)

Welcome everyone!

# Acknowledgments

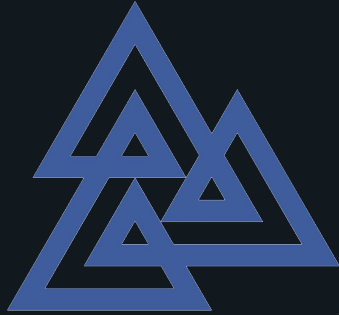
BIRS is located in the traditional lands of :

- the **Stoney Nakoda Nations** of Wesley, Chiniki, and Bearspaw;
- three **Nations of the Blackfoot Confederacy**: the Pikani, Kainai and Siksika;
- the **Tsuut'ina First Nations**.

We acknowledge their past, present and future and honour their lands.

<https://www.birs.ca/about/welcome/land-acknowledgement>

Thanks



**Banff International Research Station**  
for Mathematical Innovation and Discovery



**software  
underground**

# Organizers



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# Code of Conduct (CoC)

**All participants** are required to abide the **BIRS' Code of Conduct**.

Also:

- Fatiando a Terra CoC
- SimPEG CoC
- Software Underground CoC



Find links to them in [birs-2023.softwareunderground.org/coc](https://birs-2023.softwareunderground.org/coc)

# Workshop Goals

- Set the **future roadmaps** for Fatiando and SimPEG
- Discuss course of actions in **three topics**:

Future  
developments

Future research.  
What tools do we need?

Community  
and diversity

Increase diversity.  
Encourage new contributions.

Sustainability

How ensure future  
development.

# Guidelines



# We want to hear everyone's thoughts

- **Encourage** everyone to **speak** and **participate**.
- Allow people to **take their time**:  
not everyone is a native English speaker.
- Bring your more **courageous, opinionated, candid** self.  
Don't keep that thought to yourself.
- **Capture all thoughts**.

# Use Pacman rule



*When standing as a group of people, always  
**leave room for 1 person** to join your group.*

*Stand like Pacman!*

<https://ericholscher.com/blog/2017/aug/2/pacman-rule-conferences/>

# Pacman rule (extended version)



*Don't be shy and join the conversation.*

*Walk towards Pacman as fast as a ghost!*

# OSS is not all about code

When thinking about these projects, **don't limit yourself to code.**

Important topics:

- Documentation
- Tutorials
- Community building
- New ideas and use cases
- Using the code and providing feedback
- Maintaining all engines working

# Roadmaps are guides

The roadmaps won't be engraved in stone.

They will be dynamic and can be adjusted in the future.

Enjoy your stay in Banff!