

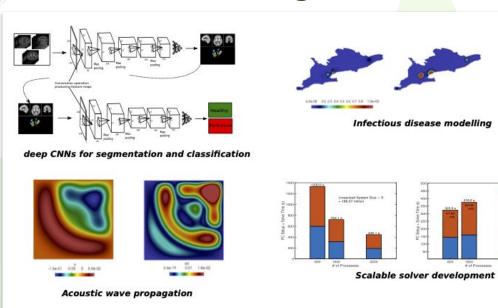
Computational Modelling of Real World Problems Using Digital Research Infrastructure and Community Outreach

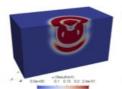
Sudhi Sharma Padillath Vasudevan Post-Doctoral Research Scholar, Carleton University, Ottawa, Canada





Technical Challenges





00+00 01 03 04-01

3D earthquake wave propagation



High performance computing



Towards an Open Science Leader

Challenge

- Designing and building for understanding
- Designing and building for participation and inclusion

Learning

- Incorporating feedback loops from users
- Designing and creating new ideas with contributors and users and allowing contributors to share governance on the project
- Building project documents, workflows and contribution guidelines
- Conducting webinars and orientation calls for contributors and users
- Mentoring and guiding others to being an open science leader



Progress

- Conducted a DRAC resource awareness webinar to fellow researchers from different university and disciplines and collected feedback
- Developed an open canvas <u>Canvas</u>
- Updated my open source project resource page with detailed README, License and contributor guidelines: Github
- Created OSF account for generating DOI and sharing project documents to larger audience : OSF





Future Work and Open Questions

- Engaging wider audience through university wide programs and social media outreach
- How to engage decision makers to create a positive impact on improved accessibility to E-D-I-A groups?
- How to create an inclusive collaboration in design and building state of the art digital tools useful for the community?
- How to mobilize financial and other resources for successful completion of the project
- How to effectively create a community of world class science educators and leaders





THANK YOU

Questions/ Feedbacks?

Connect with me: sudhisharmapadillath@gmail.com

