Denis Anikiev¹, *Hans-Jürgen Götze*², Judith Bott¹, Christian Meeßen¹, Christian Plonka¹, Sabine Schmidt², and Magdalena Scheck-Wenderoth¹

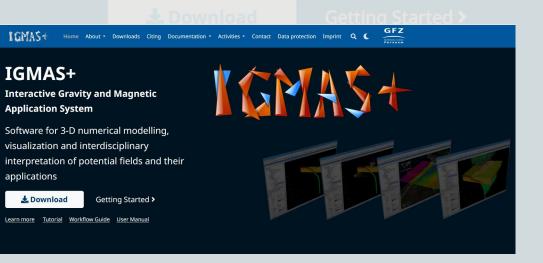


1 Section 4.5 Basin Modelling, GFZ German Research Centre for Geosciences (Germany)

C A U

Kiel University
Christian-Albrechts-Universität zu Kiel

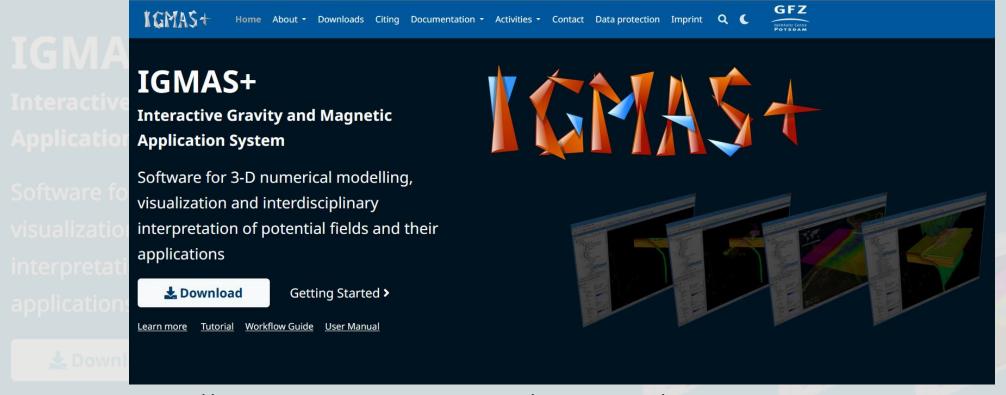
2 RG Satellite- and Aerogeophysics, Christian-Albrechts-University Kiel (Germany)



DISPLAY MATERIAL



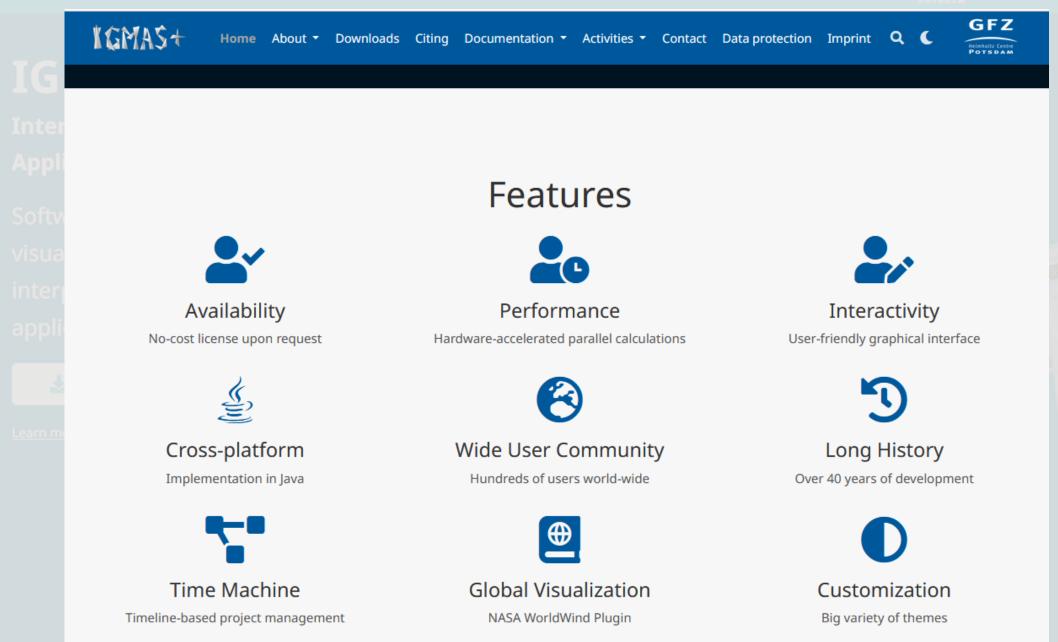
https://igmas.git-pages.gfz-potsdam.de/igmas-pages/

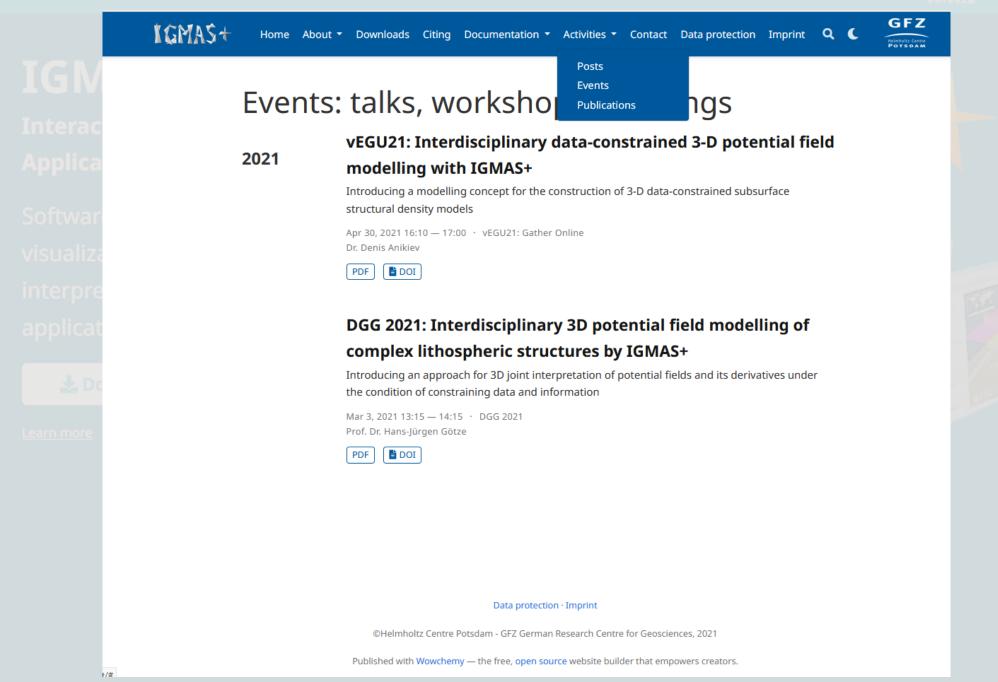


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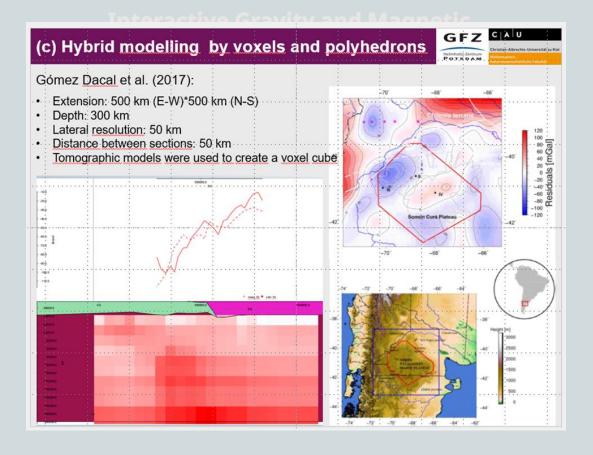
3-D gravity and magnetic modelling appreciably improves the results of distinct depth imaging projects. This regards especially to areas of strong lateral seismic velocity and density contrasts and corresponding imaging problems. Typical areas where grav/mag modelling has been successfully used are sub-salt and sub-basalt settings.

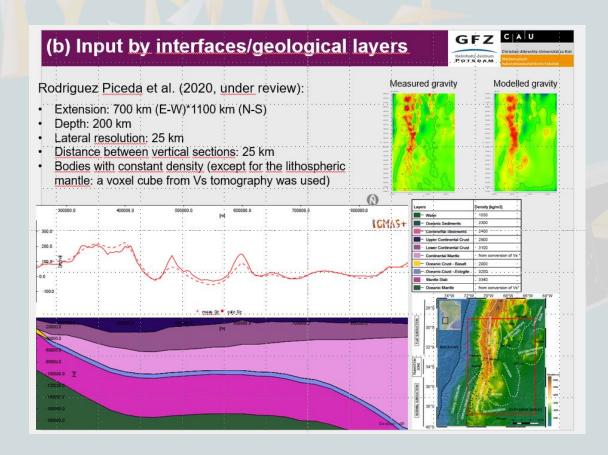
What makes **IGMAS+** highly efficient and user-friendly is that it allows adjusting the geometries and physical properties of modelled subsurface bodies interactively, i.e. while the corresponding calculated and measured potential field components are visualized together with independent observations.



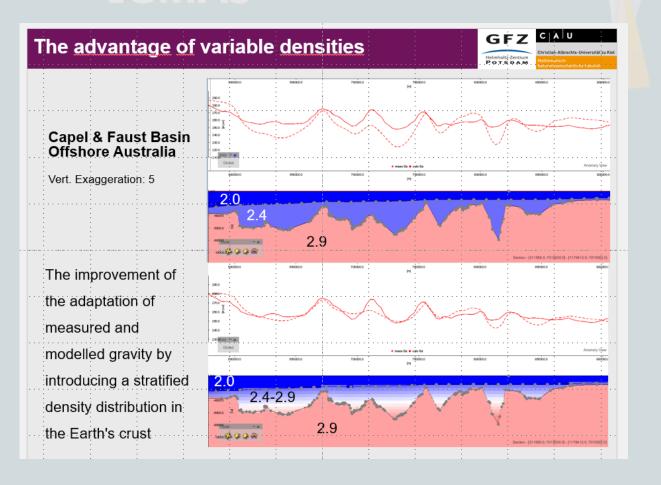


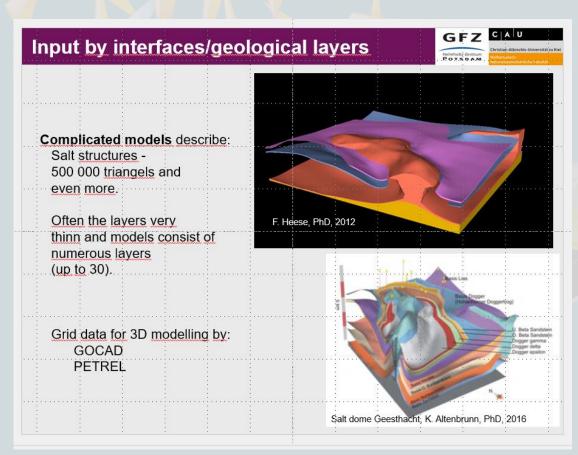
Typical applications are modelling at a lithospheric scale:





Typical applications are modelling at a rather local scale:





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Citing **IGMAS+**

How to cite

Please consider paying us back by citing our articles and technical papers when you publish papers containing results or illustrations obtained using IGMAS+.

Please also use the official IGMAS+ logo in your presentations and posters.

When in doubt, please cite the **IGMAS+** software as follows:

Götze, H. J., & Lahmeyer, B. (1988). Application of three-dimensional interactive modeling in gravity and magnetics. Geophysics, 53(8), 1096-1108.

Application of three-dimensional interactive modeling in gravity and magnetics H.-J. Götze, B. Lahmeyer

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and

Schmidt, S., Anikiev, D., Götze, H. J., Gomez Garcia, A., Gomez Dacal, M. L., Meeßen, C., Plonka, C., Rodriguez Piceda, C., Spooner, C., & Scheck-Wenderoth, M. (2020, May). IGMAS+-a tool for interdisciplinary 3D potential field modelling of complex geological structures. In EGU General Assembly Conference Abstracts (p. 8383).

■ IGMAS+ - a tool for interdisciplinary 3D potential field modelling of complex geological structures

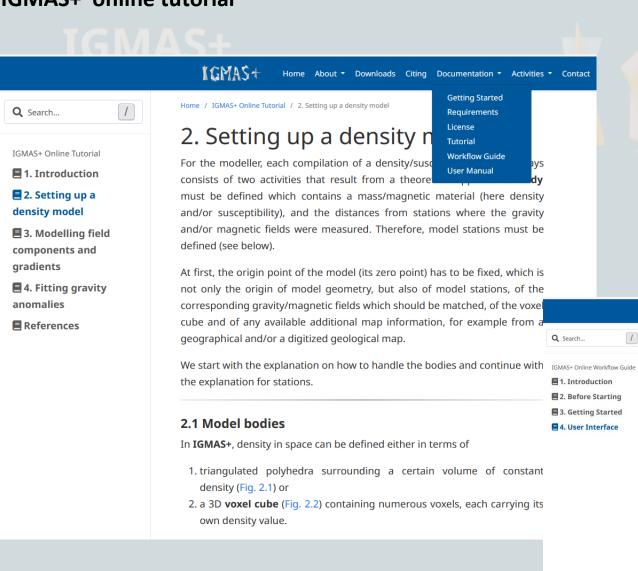
S. Schmidt, D. Anikiev, H.-J. Götze, À. Gómez-García, M. L. Gomez Dacal, C. Meeßen, C. Plonka, C. Rodriquez Piceda, C. Spooner, M. Scheck-Wenderoth







IGMAS+ online tutorial



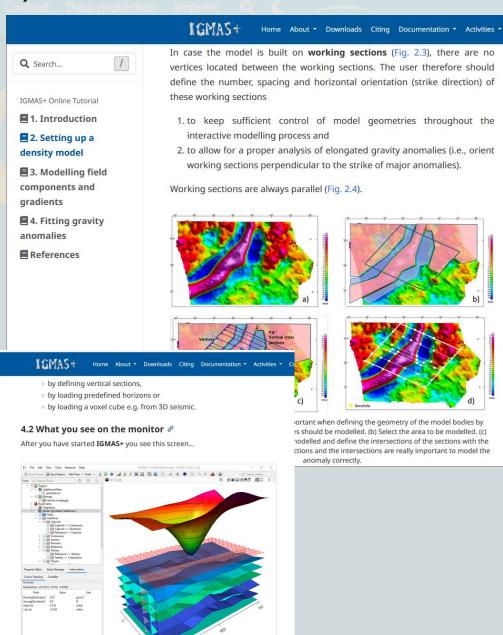
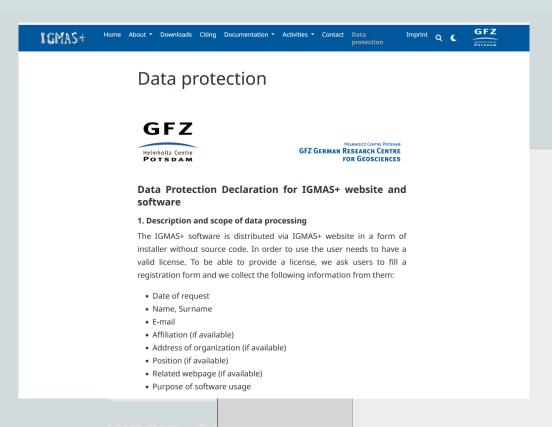


FIGURE 4.1: Screen shot







GFZ GERMAN RESEARCH CENTRE
FOR GEOSCIENCES



Interactive Gravity and Magnetic Application System

User Manual

https://igmas.git-pages.gfz-potsdam.de/igmas-pages/files/IGMAS_User_Manual.pdf



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Security note: log4j library is not used in IGMAS+

IGMAS+ is not affected by the recently disclosed Log4Shell vulnerability.

Dr. Denis Anikiev

Dec 14, 2021 · 1 min read · Mannouncement



IGMAS+ Release v1.4.8707

This release adds a new WMS server, KML/KMZ file input and extends visualisation settings

Dr. Denis Anikiev

Jul 13, 2021 · 2 min read · 🖿 Release



IGMAS+ Discord Server

Welcome to the IGMAS+ Discord server

Dr. Denis Anikiev

Apr 30, 2021 · 1 min read · Mannouncement



IGMAS+ Release v1.4.8690

This release adds new themes, graphic improvements and extends macOS support

Dr. Denis Anikiev

Mar 28, 2021 · 2 min read · Release



Data protection · Imprint

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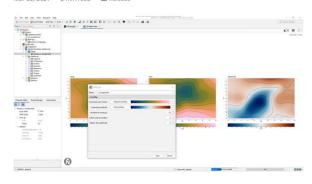




IGMAS+ Release v1.4.8690

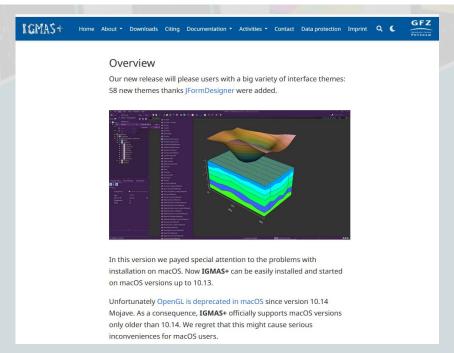
Release notes

Dr. Denis Anikiev Mar 28, 2021 · 2 min read · mar Release

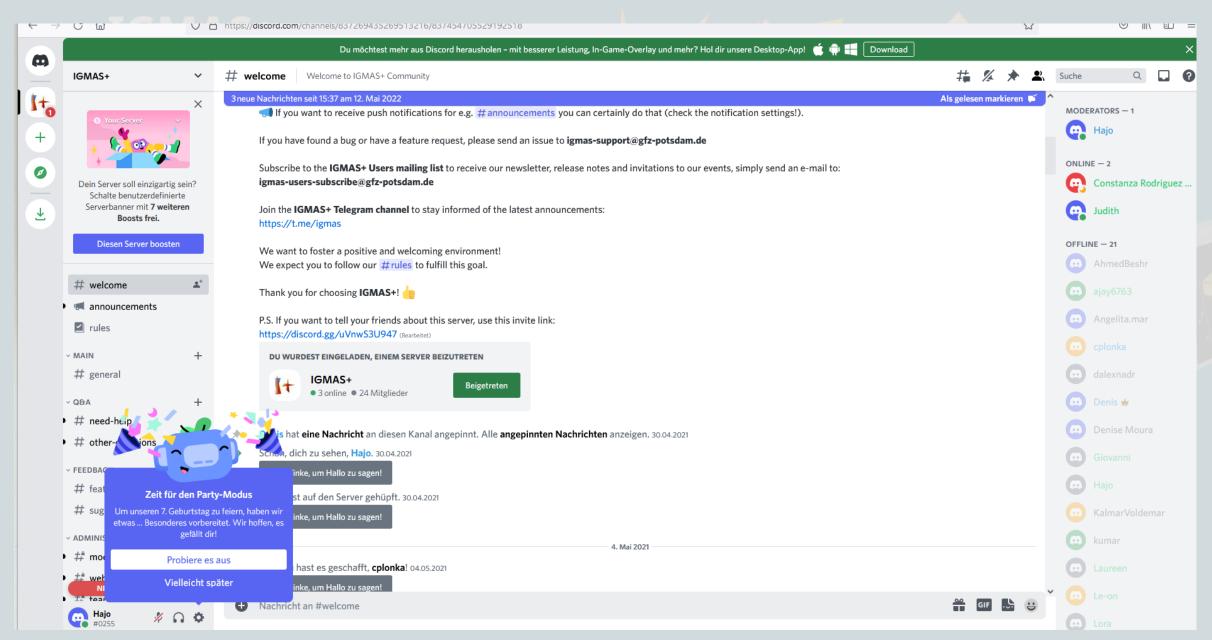


Overview

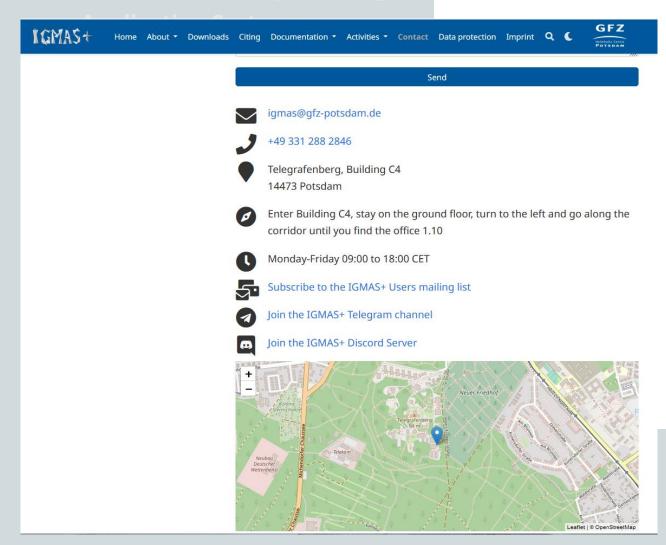
Our new release will please users with a big variety of interface themes: 58 new themes thanks JFormDesigner were added.



Suport and user interaction: Discord



Contact



If you want to request a license certificate please use this request form.

If you have a found a bug and want to submit an issue report please check instructions in the IGMAS+ User Manual.

For any other questions please use the following contact form:

Please note that the processing of the form data is done via the Formspree webservice according to the Data Protection Declaration	
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Email	
Message	
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Send