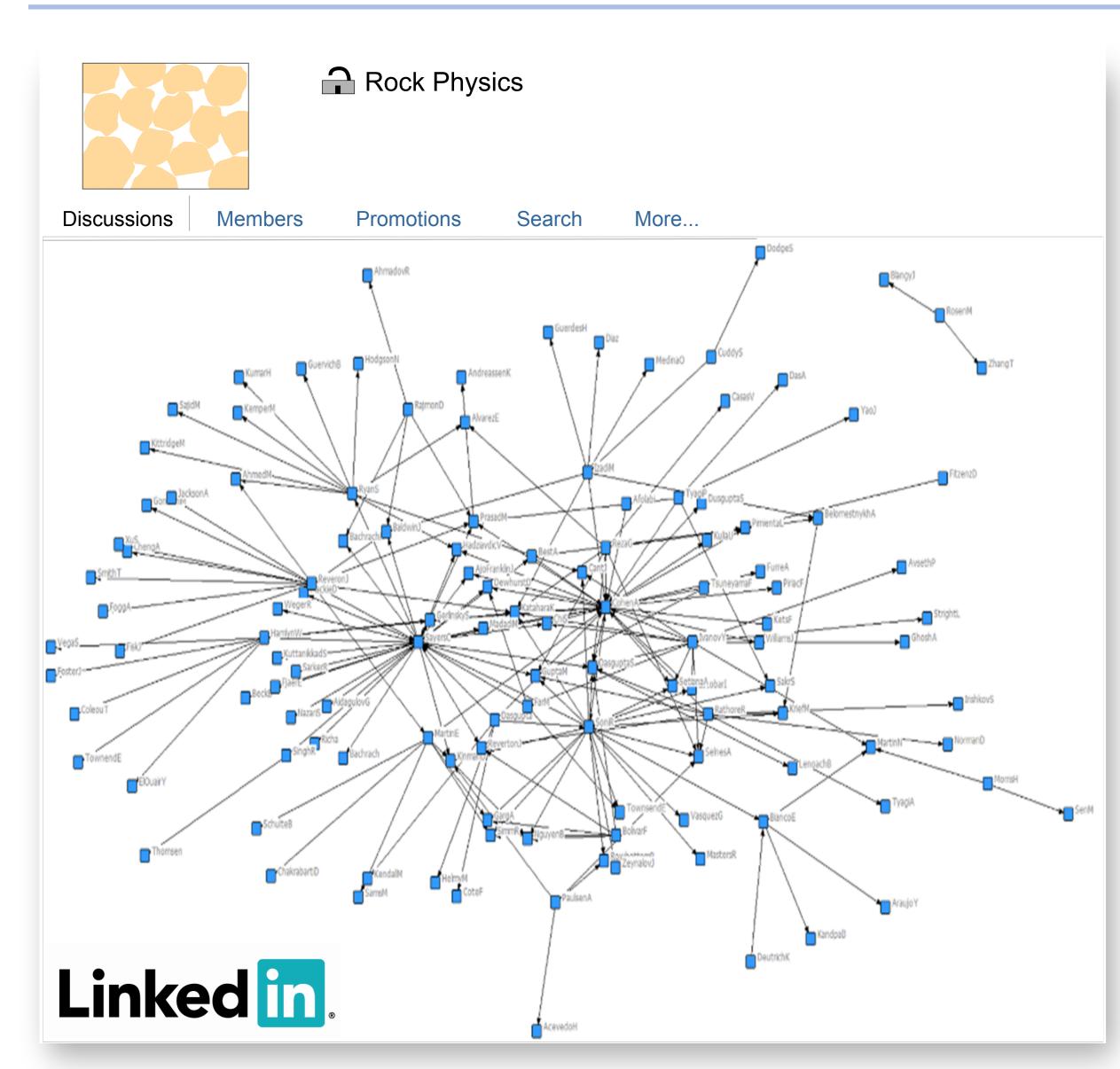
# Create a software culture beyond the experts

Evan Bianco, Agile Geoscience, evan@agilegeoscience.com

Content, like software, is not about technology. It is the embodiment of a method, a workflow, a mind. The creator's burden is to be relevant by merging interaction, aesthetics, and contextual information. Knowledge sharing is not just about technology, but it is about embracing a mindset of openess. Innovation and creativity stem from open data, open information, and open teams. Platforms for data sharing exist, but they can be improved by corralling more contributors, and minimizing the barriers to entry.

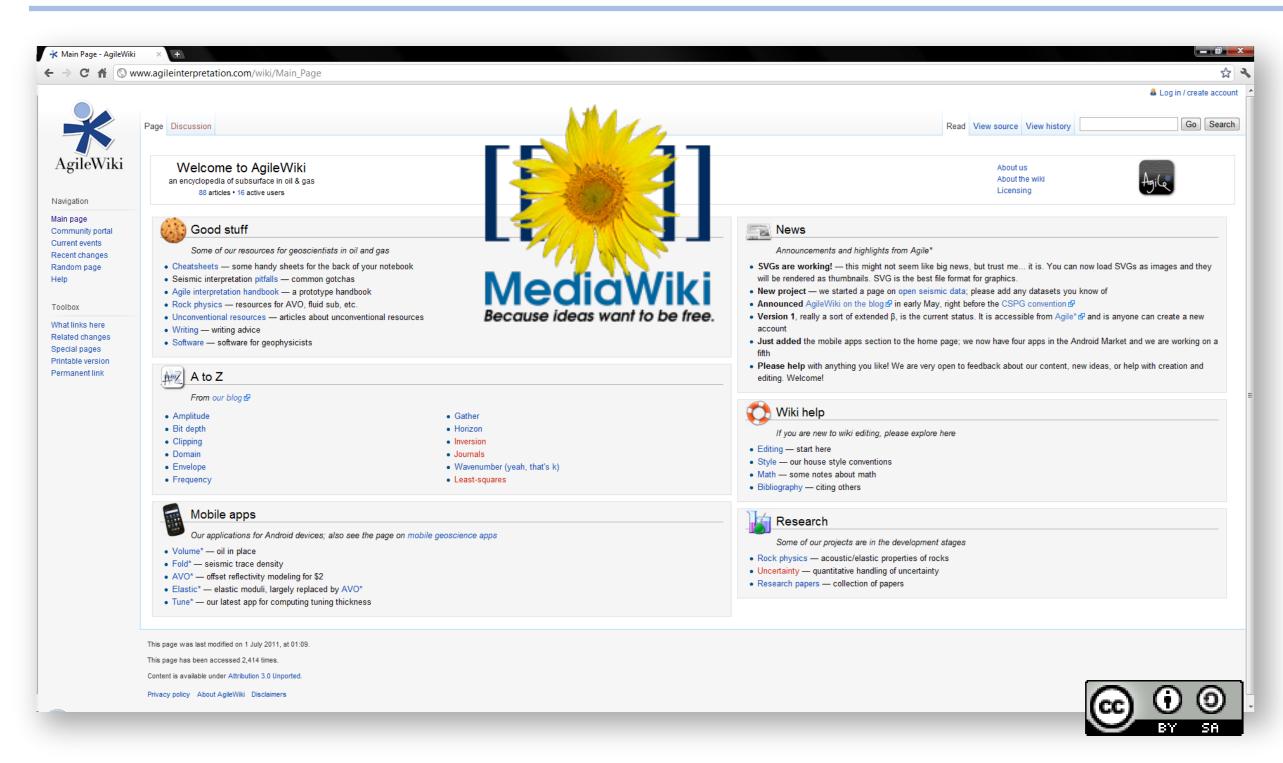
# Open idea networks



discussions active participants members

Knowledge sharing and innovation not hierarchies

### MediaWiki

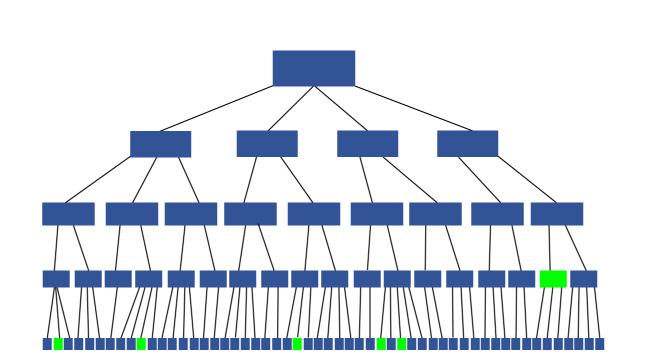


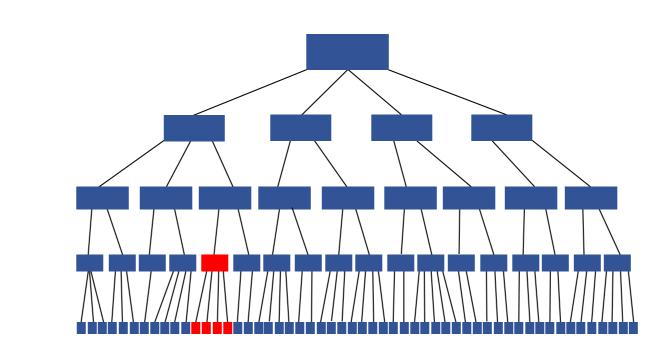
Start an article: wiki text "Take some more tea," the March Hare said to Alice, very "I've had nothing yet," Alice replied in an offended tone: "so I've had nothing yet," Alice replied in an the Hatter: "it's very easy to take

Wikis are a layered microcosm of the web, allowing for embedding and organizing content beyond traditional, static, slow-toreproduce publications. Like good software, content should be skillscalable, time-scalable, and datascalable. For someone who wants to learn something in 30 minutes, or been asked to brief their colleagues on a topic in two days, they don't need a textbook, they don't need 20 peer reviewed articles. Content should be created by non-experts with niche knowledge and experinence.

# Content management systems must draw from a pool of talent and experience

# Our organizations



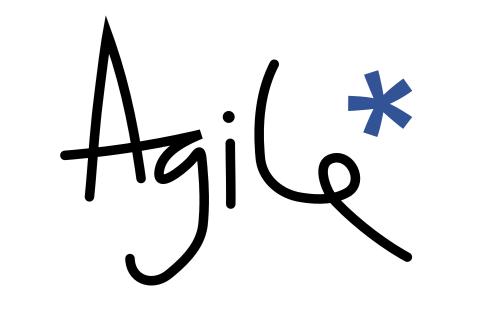


# Non-linear management structures are needed for embracing openness



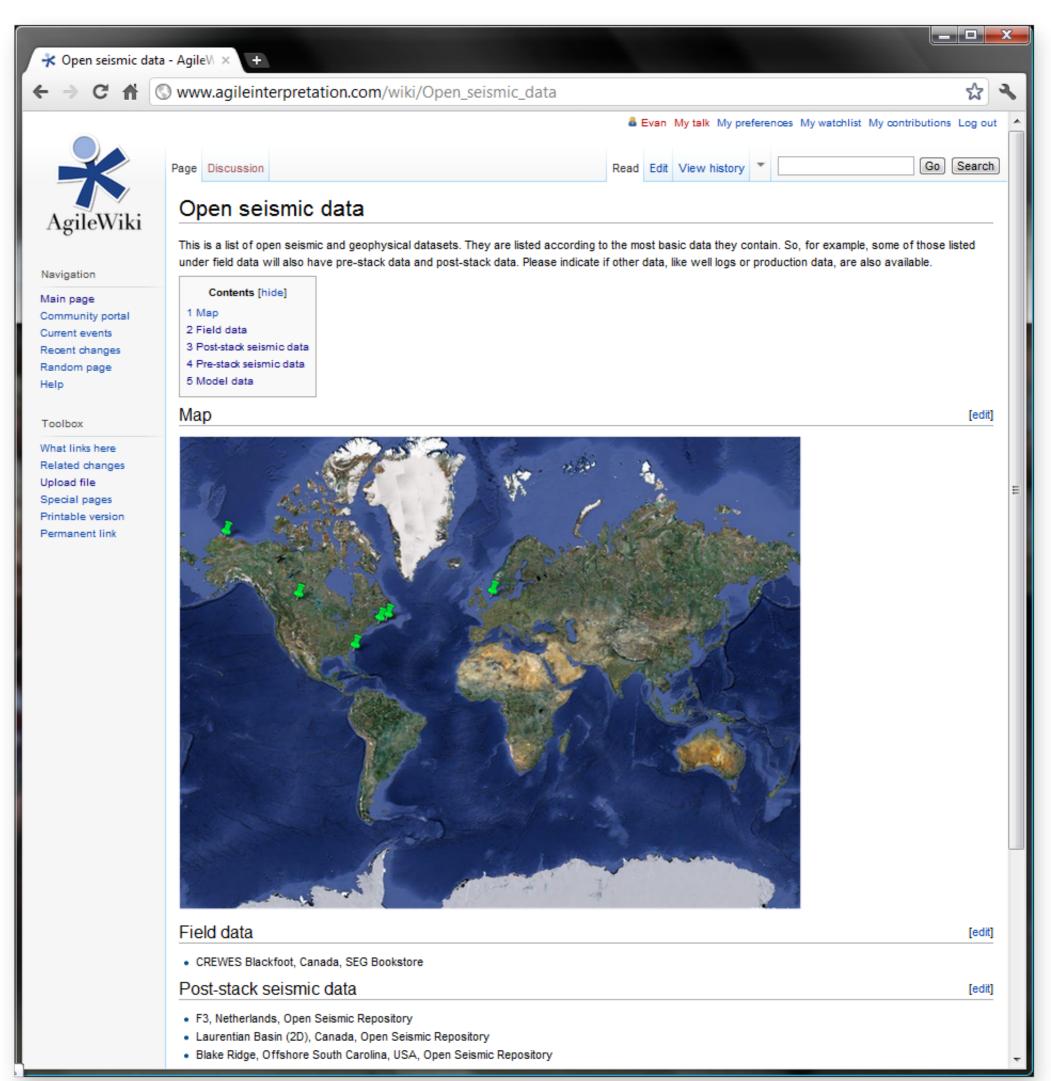
become creators

# Open data, open tools, open code

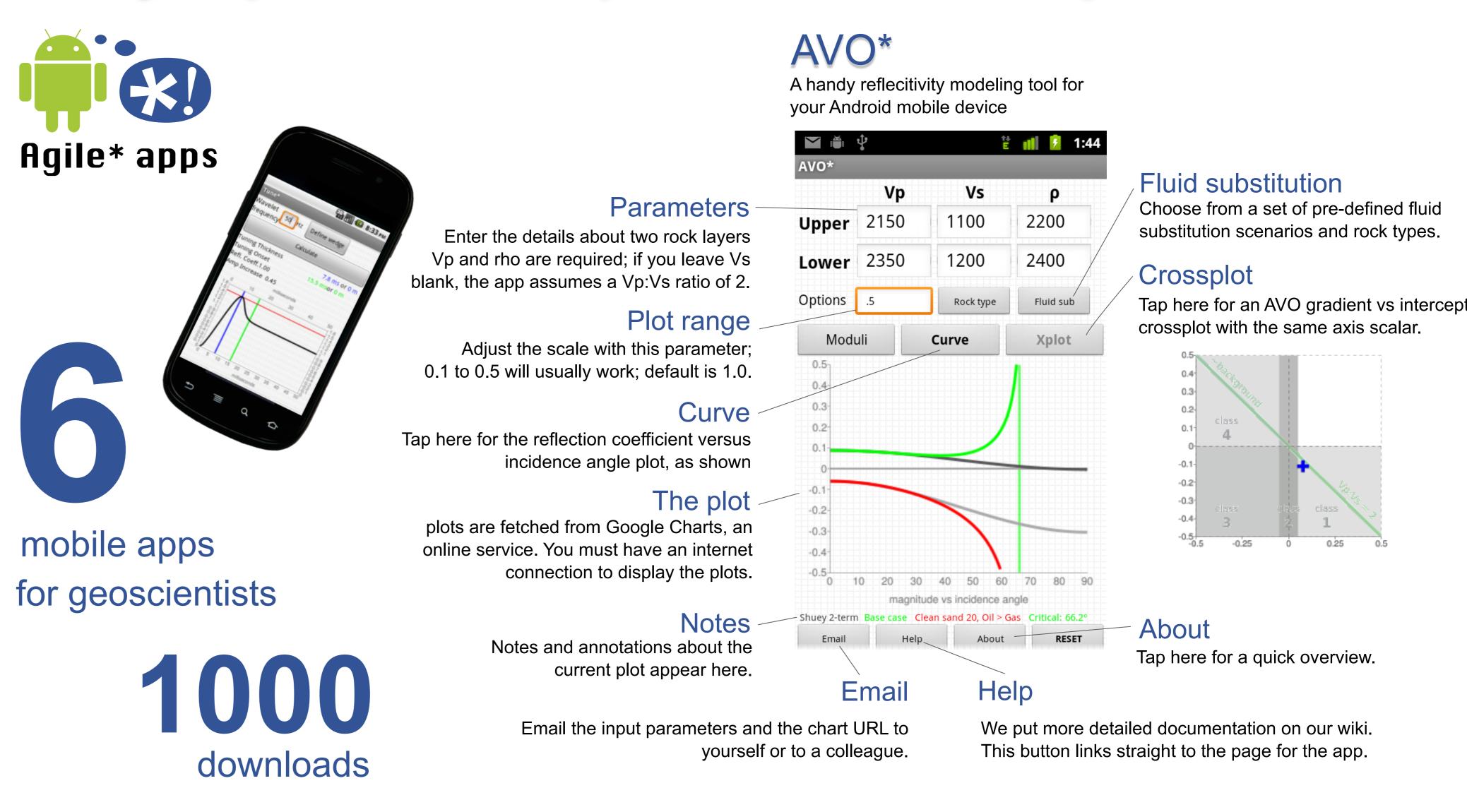


AgileWiki contains a catalogue of open geoscience data sets to coincide with other initiatives like the Open Seismic Repository, Virtual Seismic Atlas, and OpenEI. The rock physics community should seek and share standard data sets, editable rock property catalogs, with rich metadata for the same end goal.

> openness: open tools, networks, and data



### Cast your expertise into tools and algorithms that can be easily implemented, reproduced, and adapted



App Inventor Visually build science apps with the Blocks editor Build procedures, math, logic, control, lists, and graphics Fun to build, easily extendable instant verification

# Experiment with open platforms and collaborative tools



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