The need to include ethics content in professional licensure exams in the US (and worldwide)

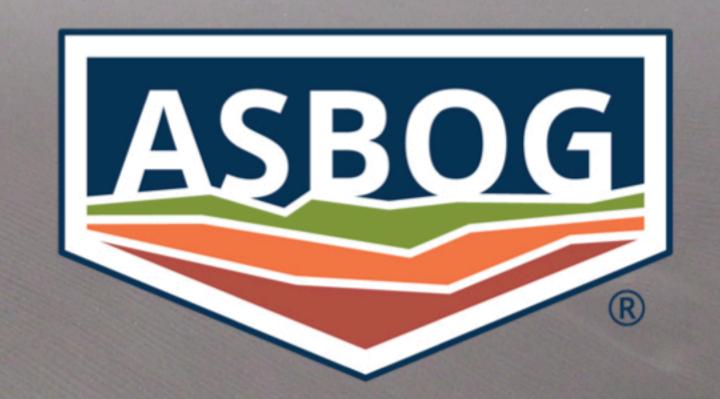
Vince Cronin, International Association for Promoting Geoethics EGU 2024

CroninProjects.org/EGU-Geoethics2024/





(US) National Association of ASBOG State Boards of Geology



https://asbog.org/

This talk reflects the author's work, and is not intended to describe ASBOG policy

ASBOG serves the US public and the geosciences community...

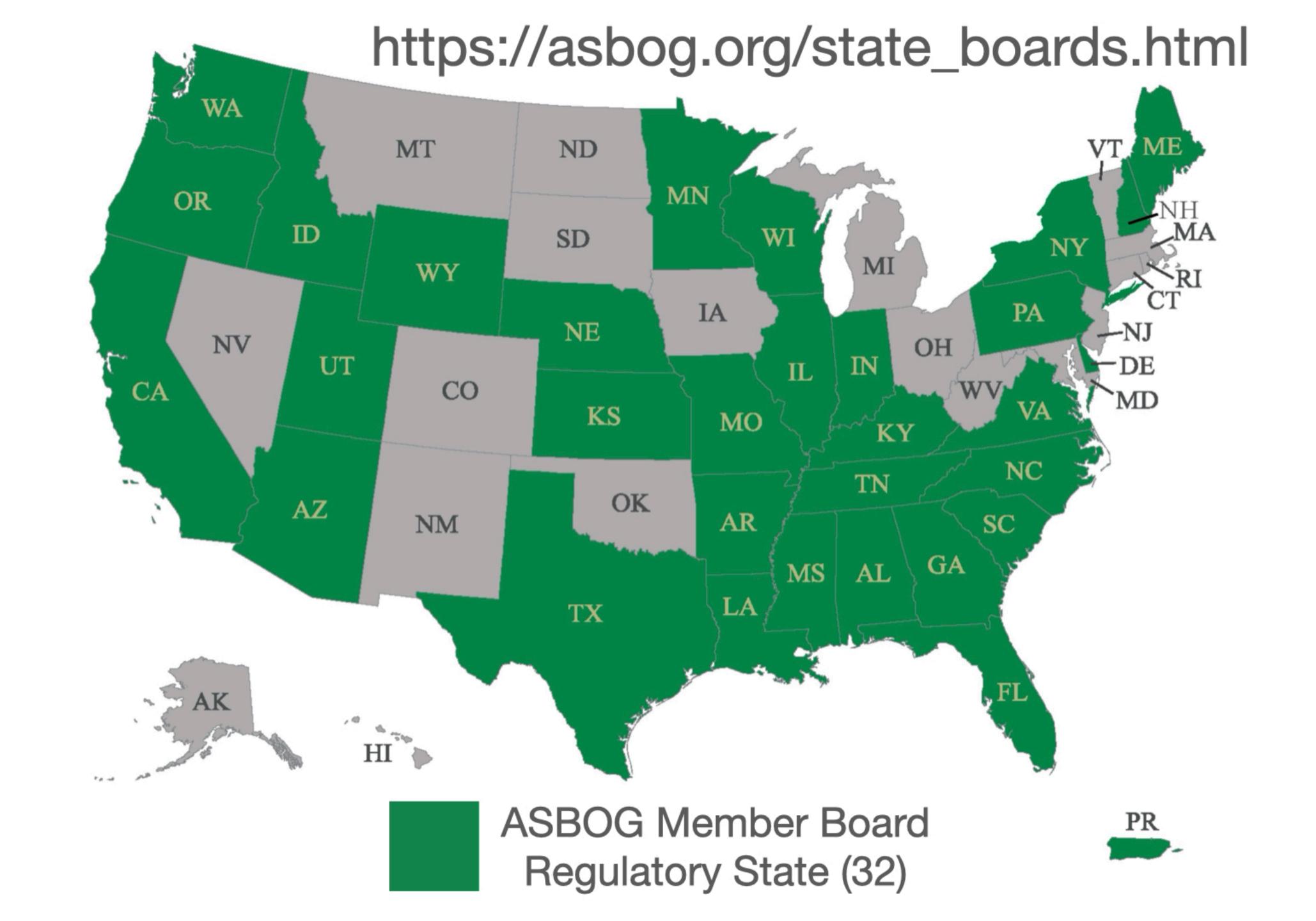
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- 2. by developing and administering the Fundamentals of Geology (FG) & Practice of Geology (PG) exams
- 3. by providing related educational materials to help licensure candidates prepare for the exams



1. General geology and geological investigation

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- 2. Mineralogy, petrology, and geochemistry

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- 6. Hydrogeology
- 7. Engineering geology
- 8. Mineral and energy resources



TASK ANALYSIS SURVEY 2015:

A Study of the Practice of Geology in the United States and Canada

Prepared by Jack L. Warner, Ph.D.

TEST, Inc.

April 2015

1.0 INTRODUCTION

The content or subject matter tested on licensing exams is often determined through formal task analysis research studies that are designed to maximize the relevance of the exams to the practice of the professions. The task analysis studies identify the tasks/activities that are performed by professionals and the underlying knowledge that is necessary to perform these tasks. The task analysis results form the basis for creating test blueprints that define the content and scope of the exams. These studies are conducted on a regular basis to keep abreast of advances and/or changes in the practice of the profession.

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- 7. Conflict of interest

8. Plagiarism

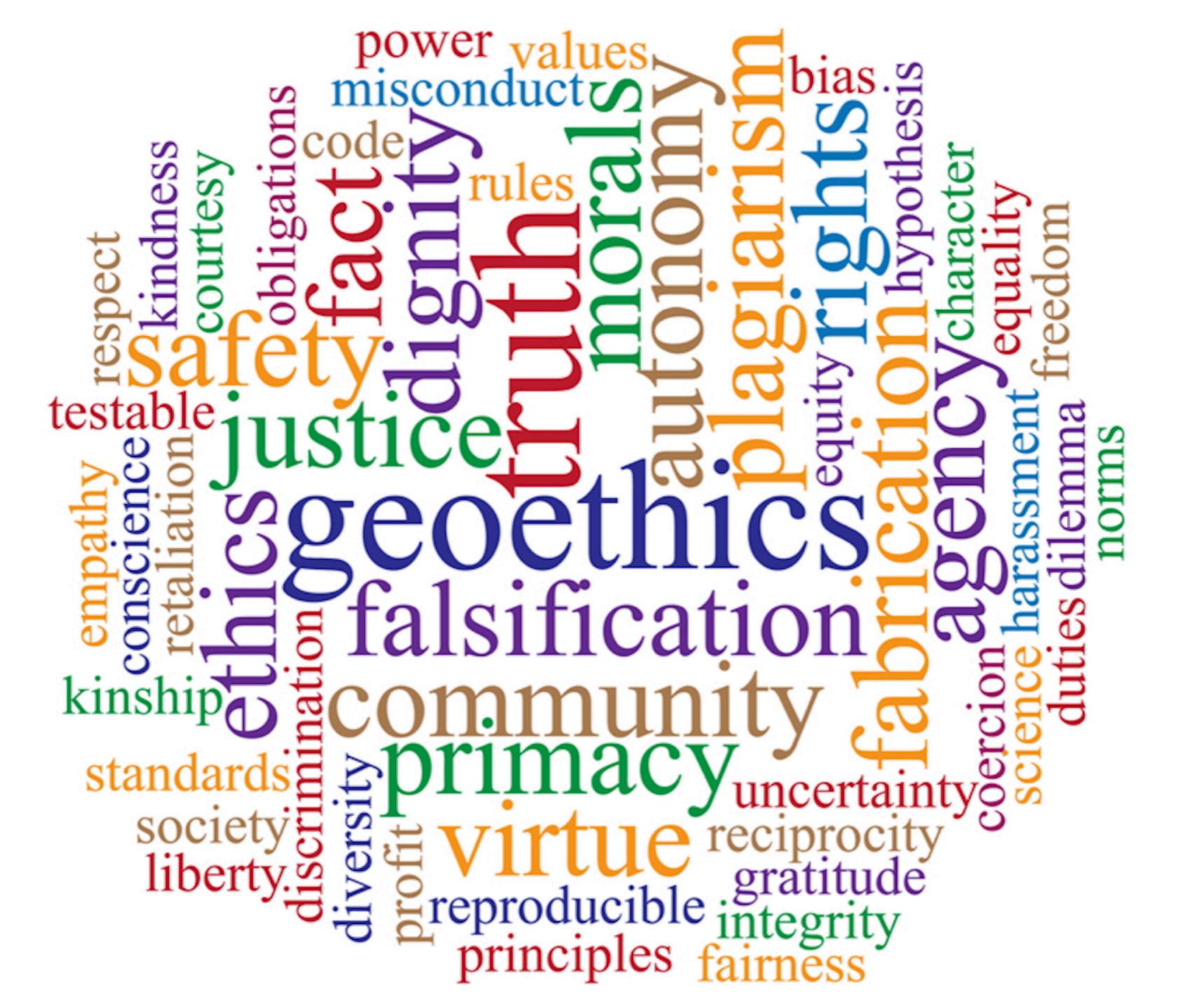
- 8. Plagiarism
- 9. Practicing without license

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- 10. Inappropriate advocate for client

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- 10. Inappropriate advocate for client
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- 12. Dishonest invoicing
- 13. Giving or getting gifts



Geoethics is fundamental to the professional practice of geoscience

Challenges for creating ethics study resources and questions for ASBOG FG and PG exams Different states have adopted different ethics codes (or no code at all) for professional geoscientists

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- Fair and useful exam questions about geoethics are difficult to write (if they can be written at all)



Primacy principles are the most important ethical constraints for our work.

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For example, the Hippocratic Oath is an ancient expression of primacy principles under which a medical healer must work.

Primacy Principles for Professional Geoscientists

In our professional work, the health, safety, and wellbeing of the public are paramount

Robert Tepel

Primacy Principles for Professional Geoscientists

The ethical imperatives, standards, and norms that apply to any scientist also apply to professional geoscientists

Primacy Principles for Professional Geoscientists

Professional geoscientists have a responsibility to act in ways that promote, protect, and sustain the health of the Earth environment.

MODEL RULES AND REGULATIONS

TO ACCOMPANY

THE PROFESSIONAL GEOLOGIST MODEL LICENSURE LAW

ASBOG*

NATIONAL ASSOCIATION OF STATE BOARDS OF GEOLOGY

Created 2011 Updated August 2019

https://asbog.org/documents/ ASBOG Rules-Regs 2019.pdf

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Build open-access educational resources around the list of ethical concerns

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Primacy principles

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- Primacy principles
- Definitions of key terms & concepts

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Develop questions that confirm a basic understanding of relevant ethical issues

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