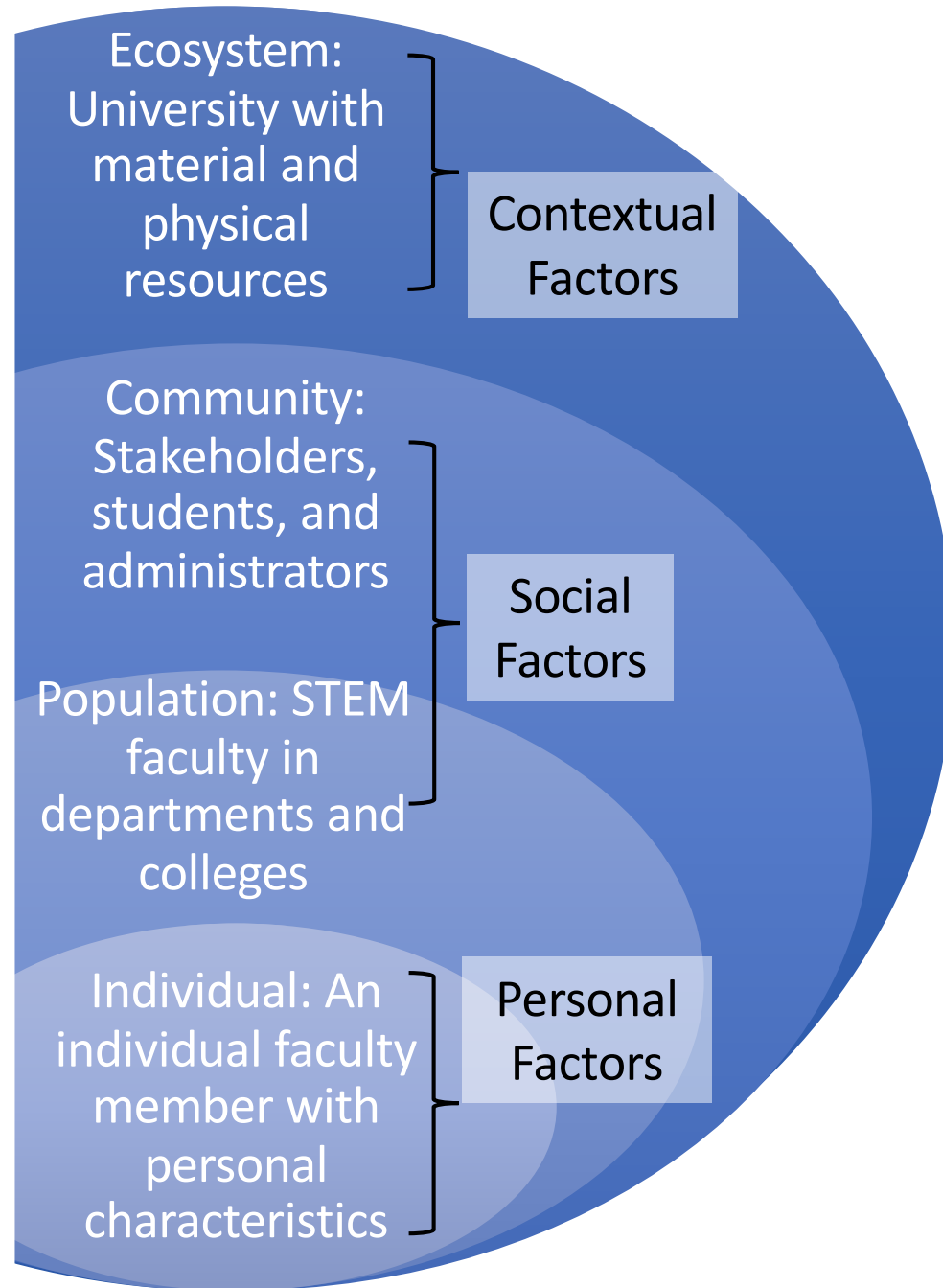


# An Ecological Model for STEM Faculty Change

Appropriate for asking *why* faculty do what they do.

Drawn from Stokols' Social Ecological Model in Public Health (Am. Psych. 1992, 47(1), 6-22).

Conceptual framework to use during PD design, research, and evaluation.



We interviewed STEM faculty participating in a teaching workshop.

Faculty described a variety of influences on their pedagogical decisions that include **personal, social, and contextual** factors.

- Beliefs, attitudes, self-efficacy
- Colleagues, students, administration, SETs
- Time, resources, student characteristics

This framework can be helpful for investigating, understanding, and leveraging key drivers and barriers, which will vary by context.



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