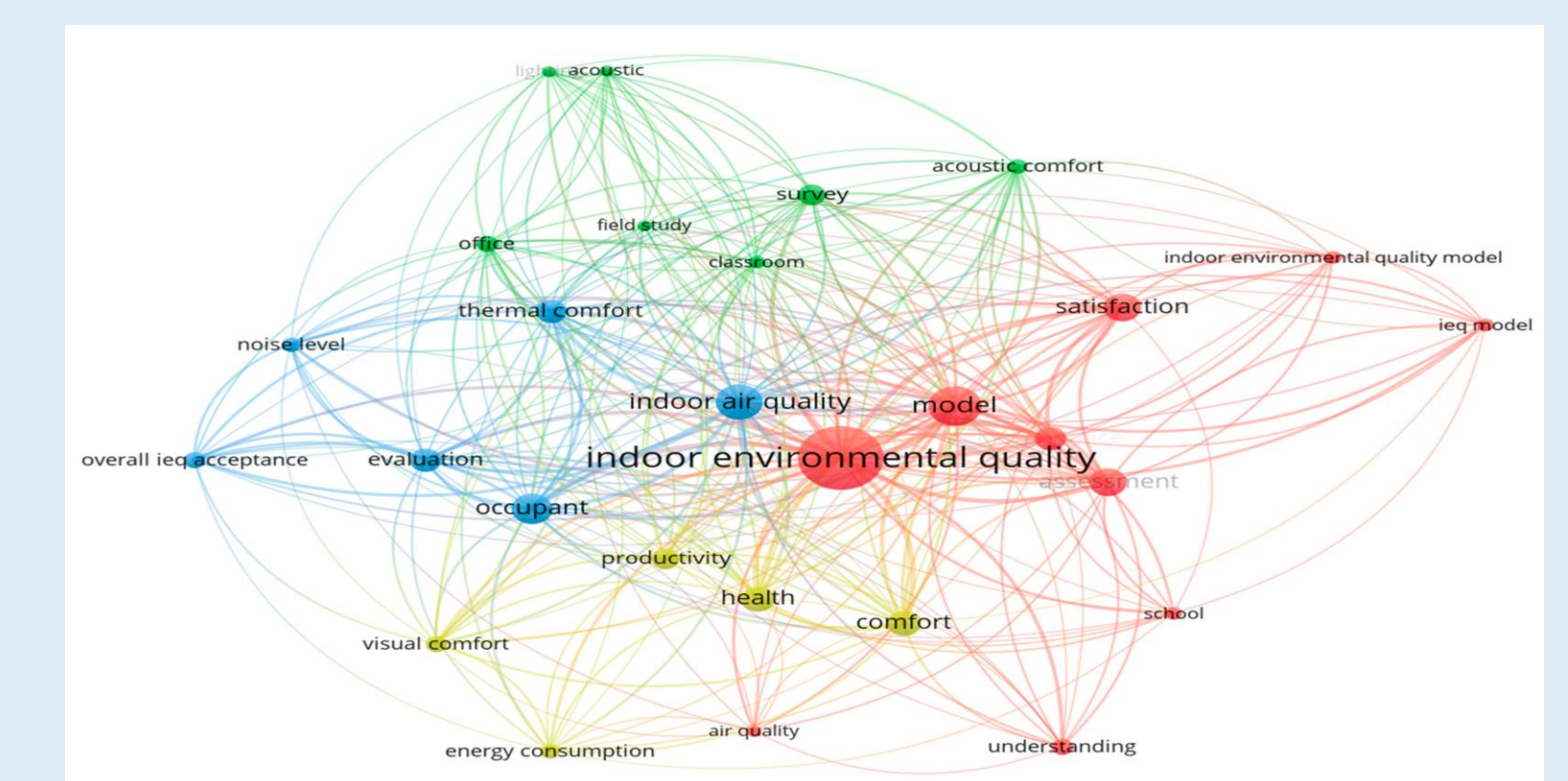
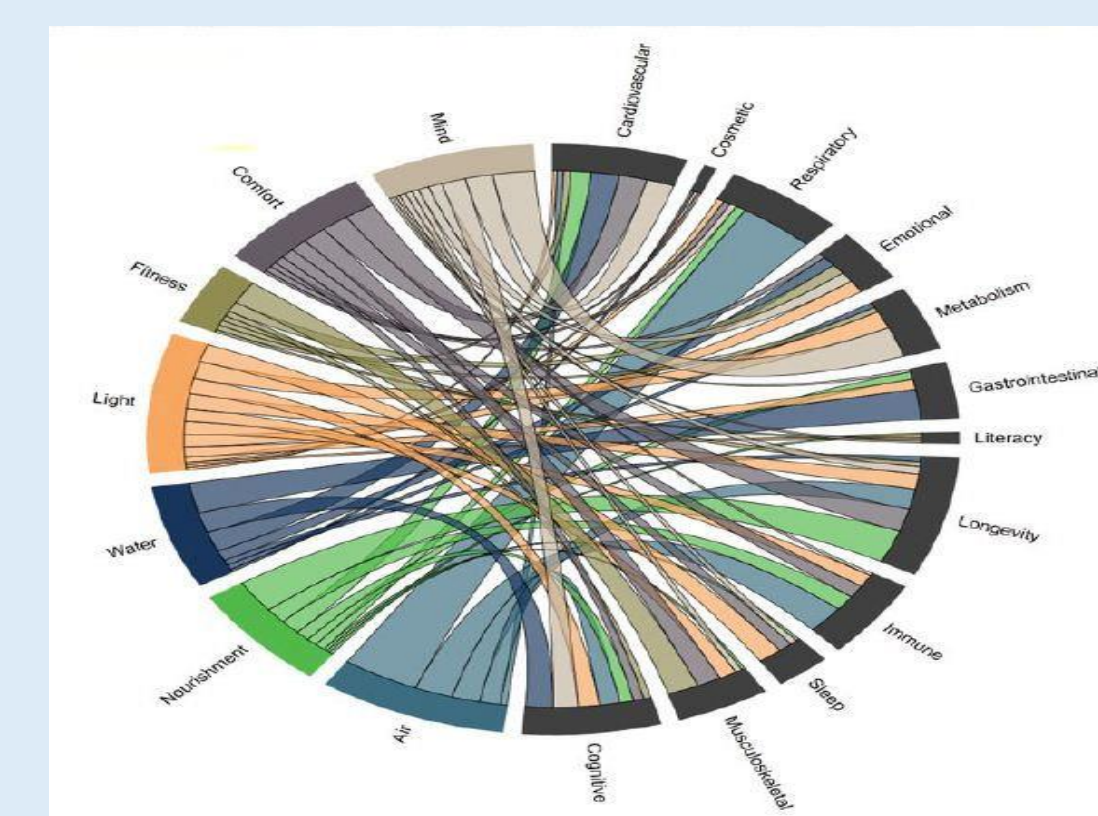
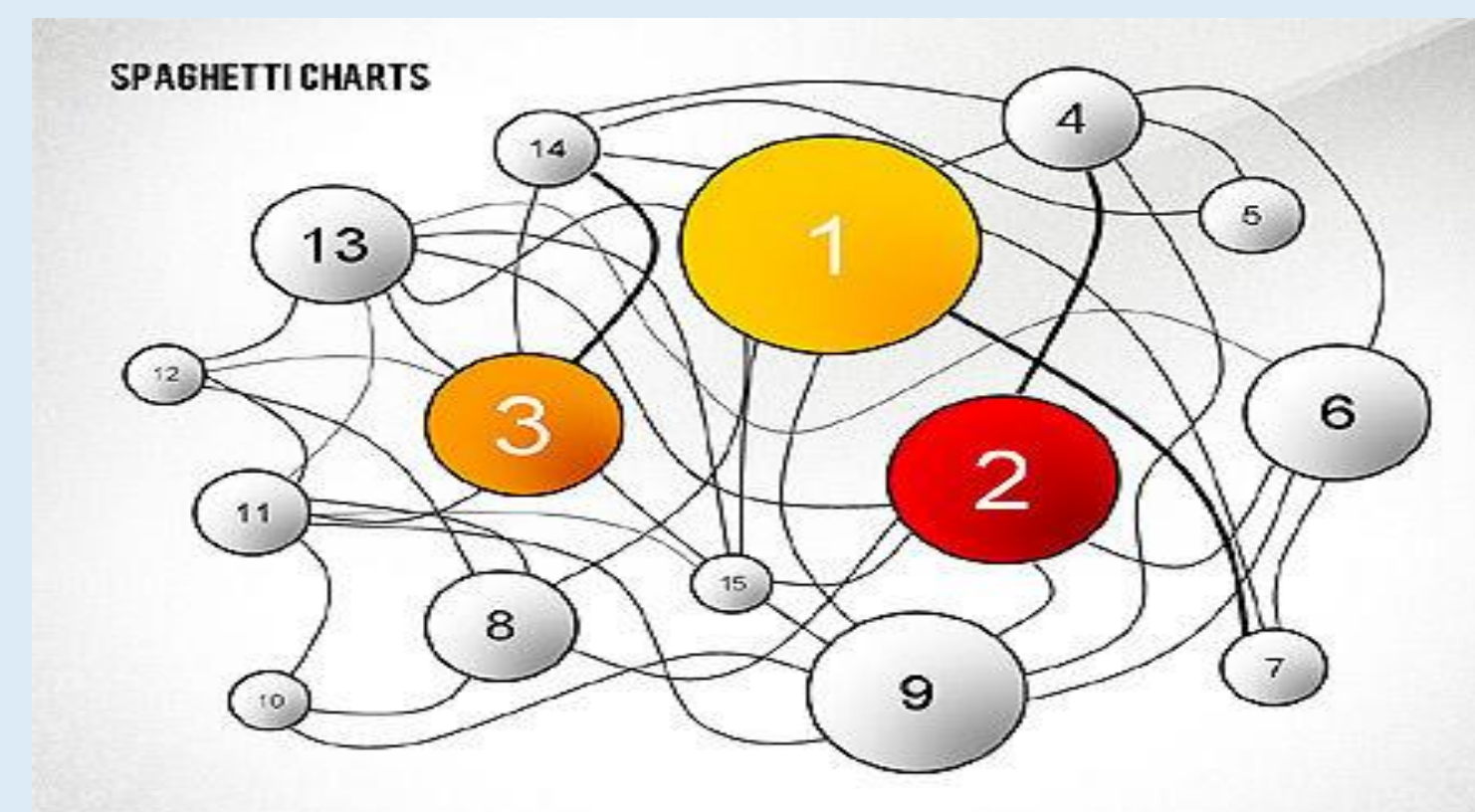
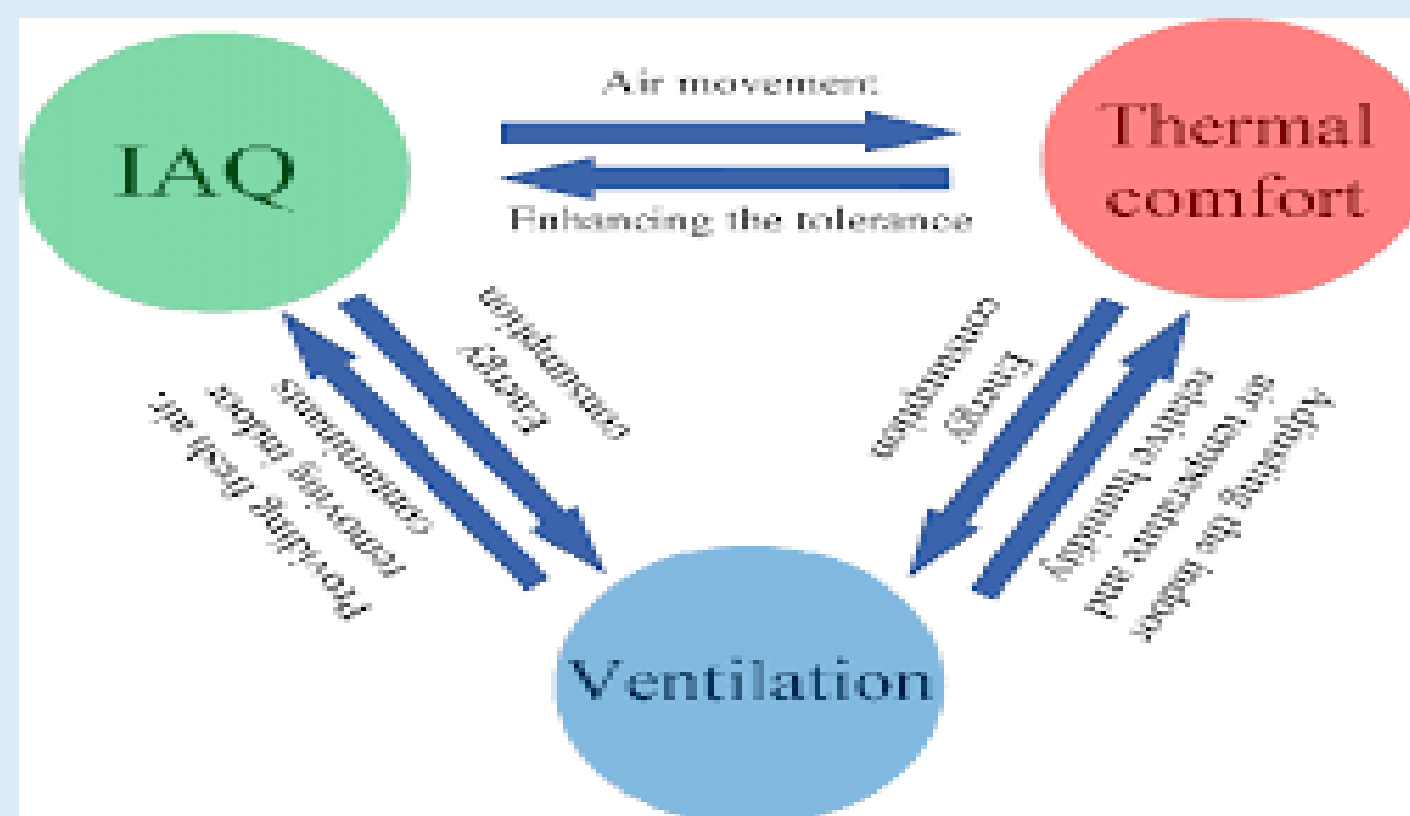


IAQ is complex. IEQ has even more factors for Indoor Environmental Epidemiology - *Interactions*.

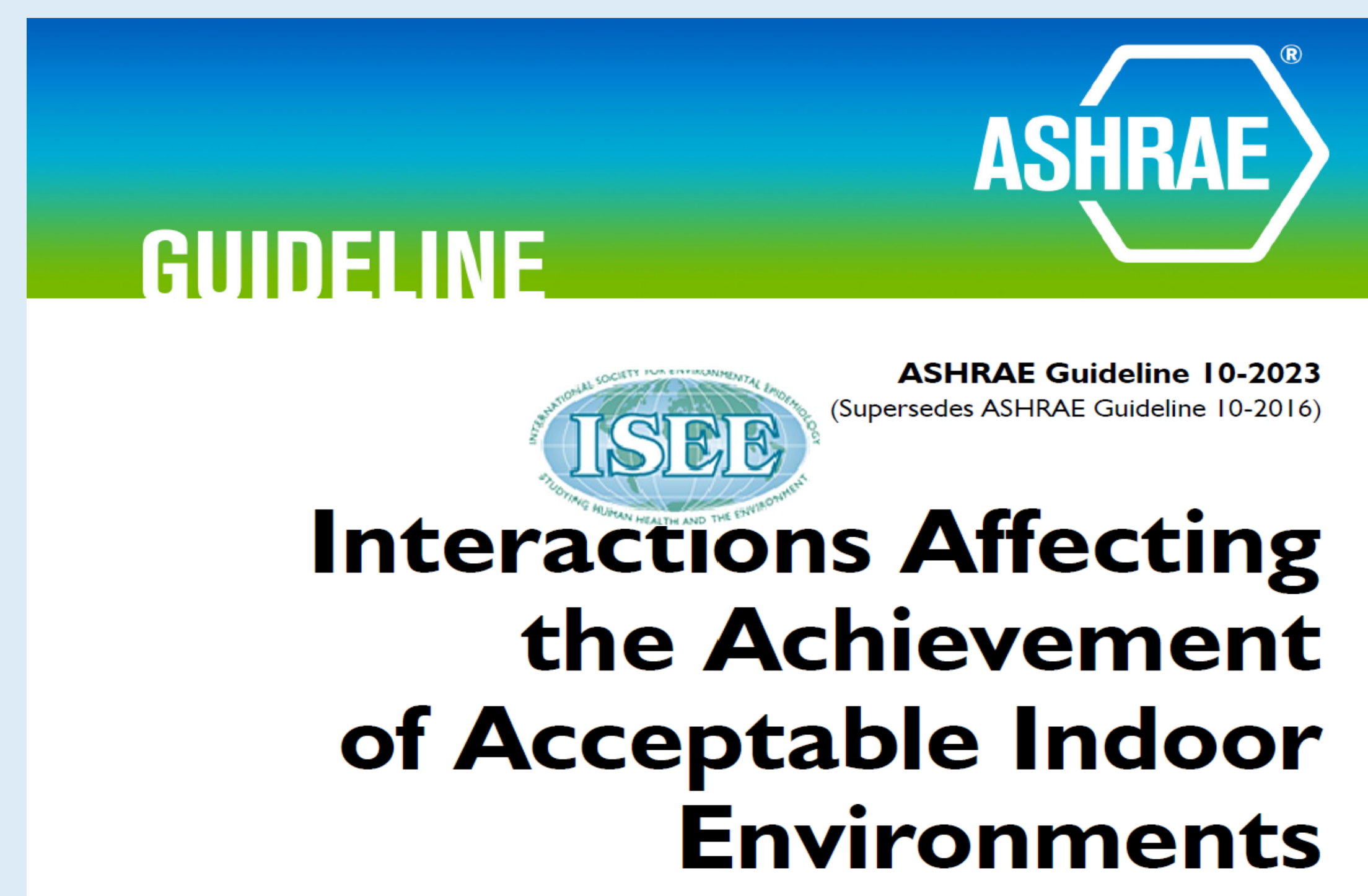
Which “scramble” map do you struggle with?



Interactions Affecting the Achievement of Acceptable Indoor Environments: Introduction to ASHRAE Guideline 10

Guideline 10 **affirms** the four factors of Indoor Environmental Quality (IEQ).

- Sound.
- Light.
- IAQ.
- Thermal.



Guideline 10 **structures** the four factors of sound, light, IAQ, and thermal.

- Priority order.
- Exploring the interactions.
- Cross-checking table.

Table 3 Sections of the Guideline Concerning Various Interactions

		Illumination				
		Thermal	IAQ	Daylight	Electric	Acoustical
Thermal		5 (intro), 5.1	5.2	5.3	5.4	5.5
IAQ		5.2	6 (intro), 6.1–6.3	6.5	6.6	6.6
Illumination	Daylight	5.3	6.5	7.1	7.2	7.3
	Electric	5.4	6.6	7.2	NA	7.4
Acoustical		5.5	6.6	7.3	7.4	9

“The **PURPOSE** of this guideline is to provide guidance regarding factors and their *interactions* as they affect the indoor environmental conditions acceptable to human occupants with regard to comfort and health... There are many important factors that determine the acceptability of the indoor environment that have not been identified or addressed in this guideline. Future versions of this guideline will include more detail on these related factors as well as new information and updates to the current material.”

ASHRAE, founded in 1894, is a global society, with more than 50,000 members from over 132 nations advancing human well-being through sustainable technology for the built environment.

ACKNOWLEDGEMENT

The ASHRAE SGPC10 committee: Carl Grimes, Chair. Charlene Bayer, Vice Chair. Pawel Wargocki, Chan He, Jungin Yang, Nick Clements, Walter Grondzik, Secretary. Mark Jackson, Shingho Liu, Fred Marks.