



Nano-Cipher Activity

October 11th & 12th, 2018

Brought to you in part by the Risk Assessment Community of Research



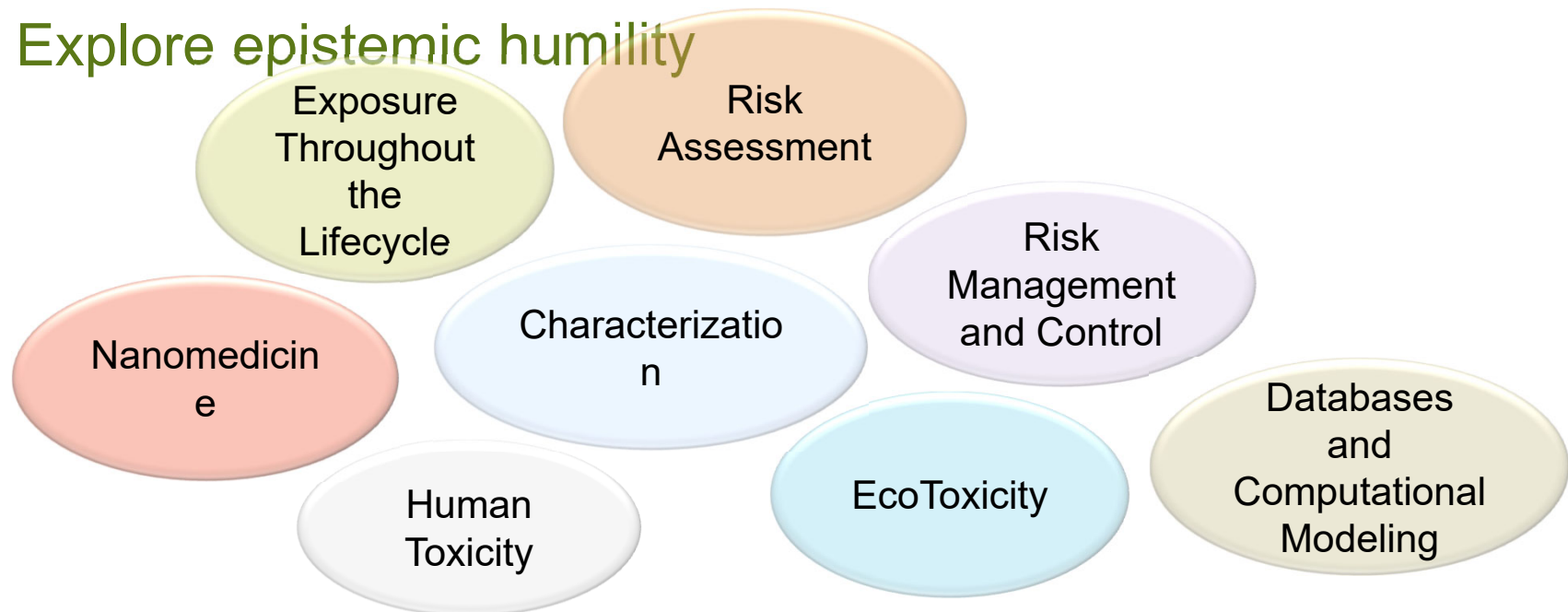
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Nano-Cipher Activity Motivation

- Promote clear communication for words key to understand each other regarding nanoEHS research:
 - Regarding work across the past 10-15 years
 - Regarding where nanoEHS research needs to go across the next 5-10 years
- Illuminate assumptions, differences, and shared meanings
- Explore epistemic humility



Exploring Epistemic Humility

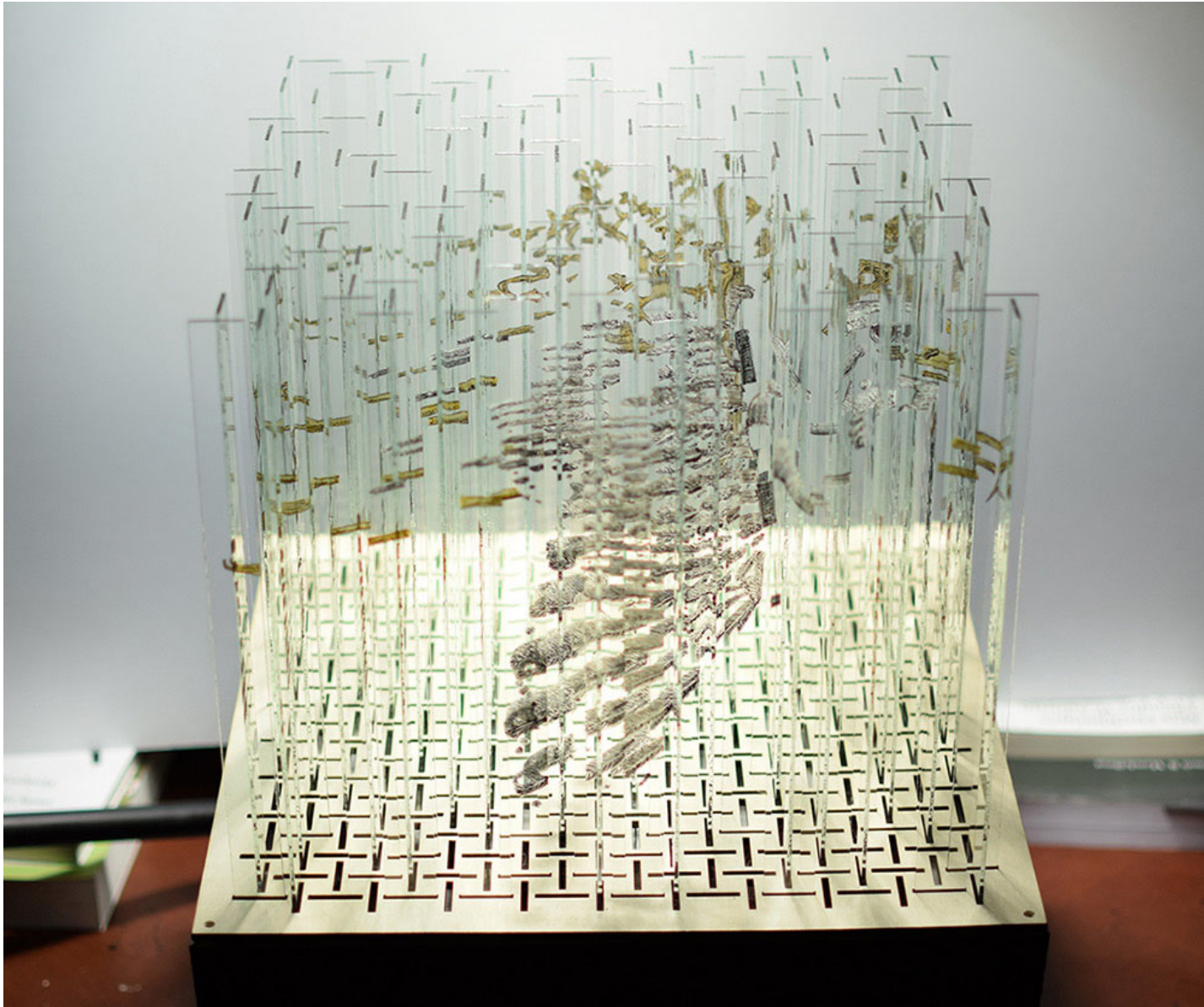
1. Two experts might be using the same word with different understood meanings
2. They may or may not realize this
3. If that is happening:
 - Both could be valid
 - Both could be less than fruitful
 - One could be “more” correct for a particular context
 - Context can open flow of understanding
 - Perhaps there are patterns in how communities and geographic regions think about concepts of shared relevance

“Sometimes we don’t know when we’re talking past each other”

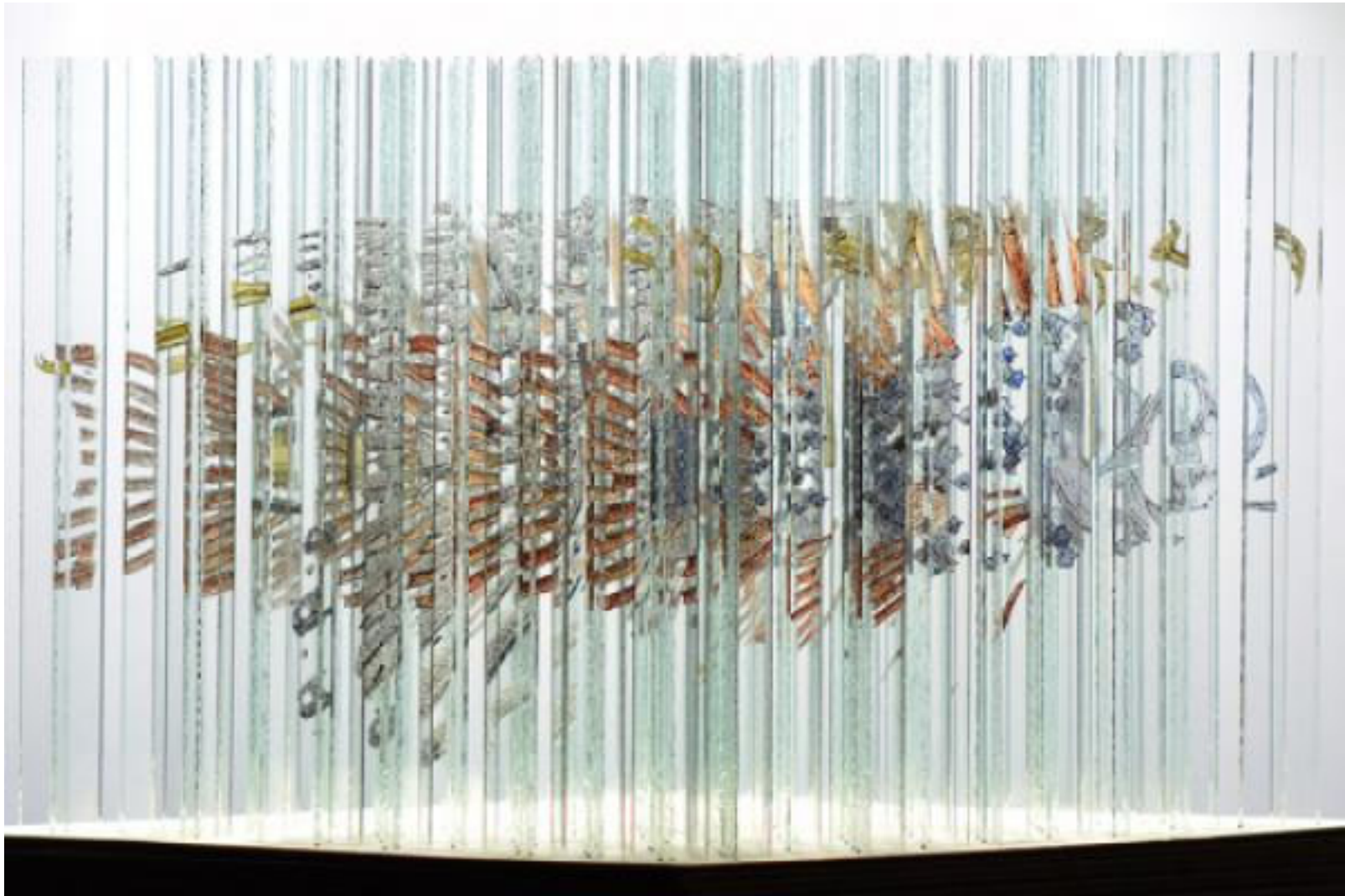
~ Rick Canady, yesterday

Perspective Anamorphosis

Emulsifer, by Thomas Medicus



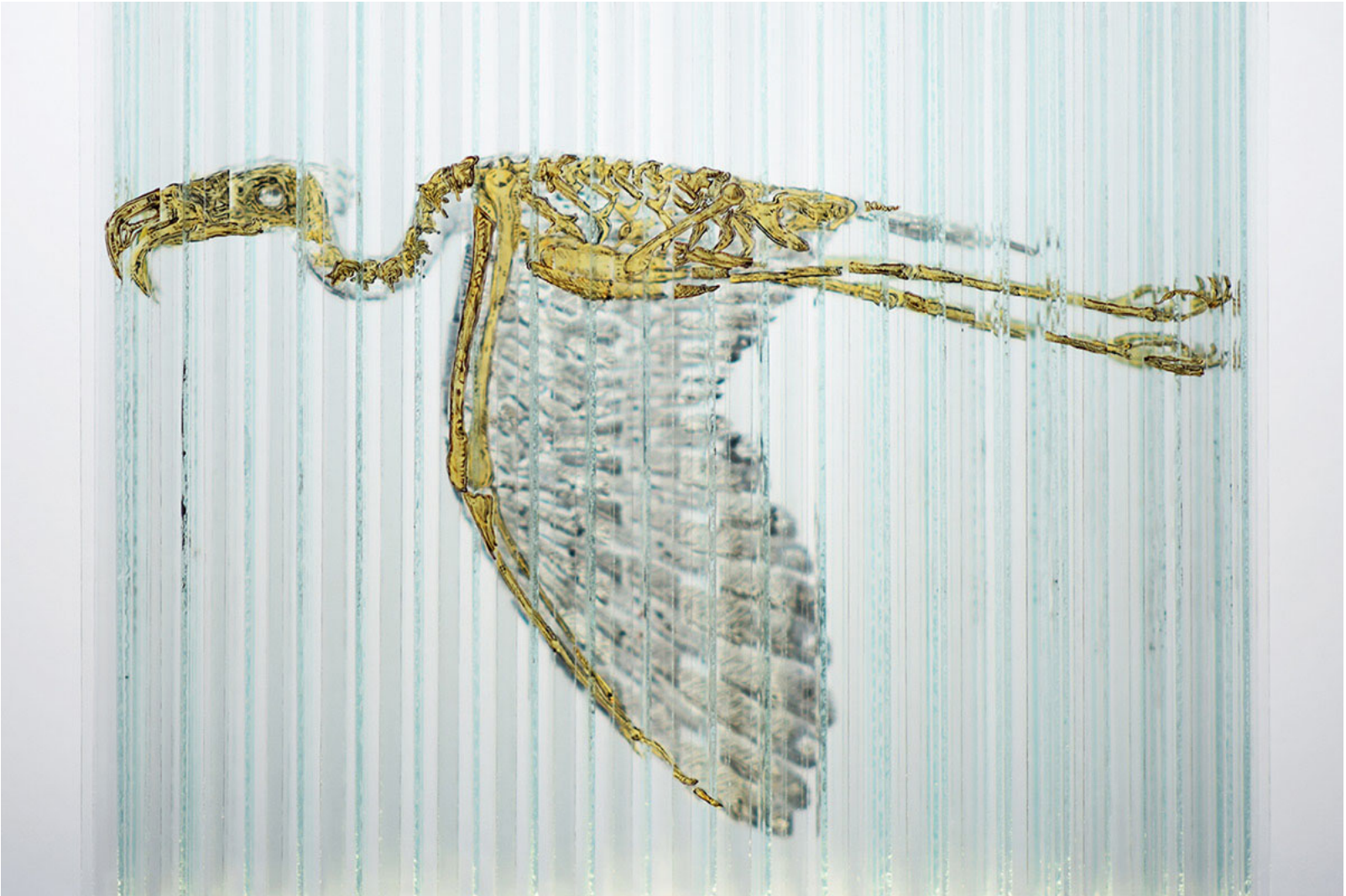
Emulsifer, by Thomas Medicus



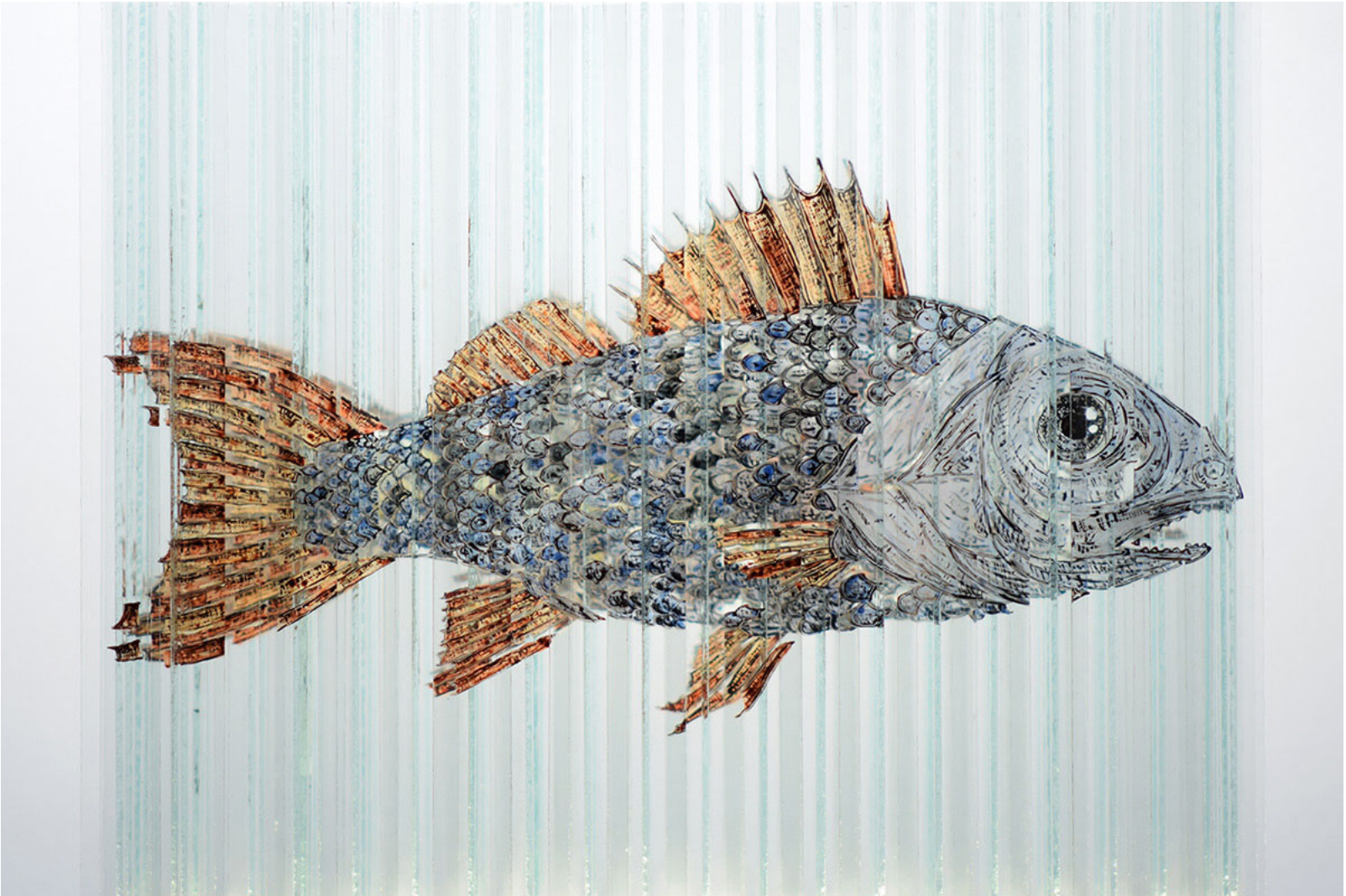
Emulsifer, by Thomas Medicus



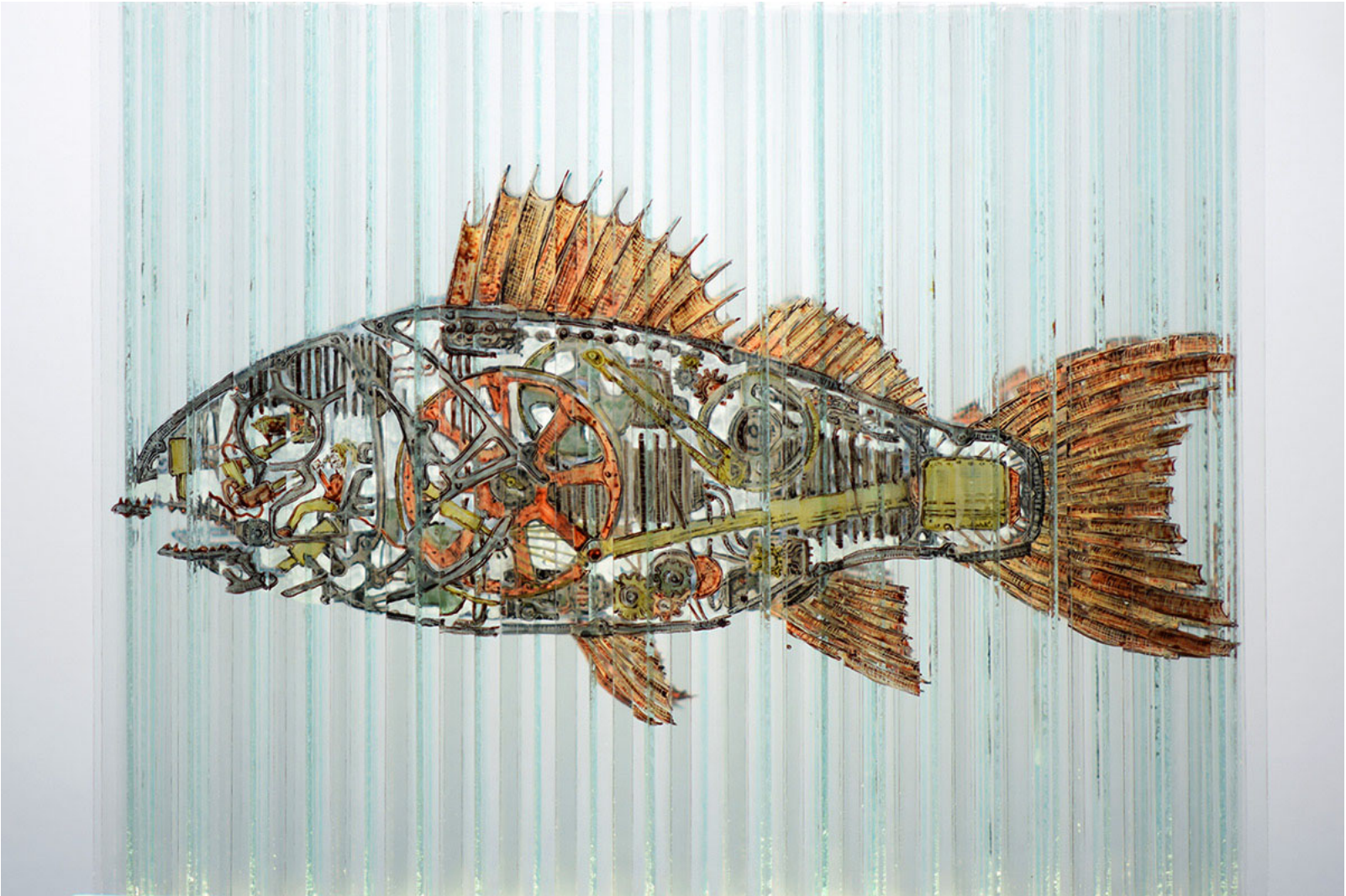
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Thinker
by Jonty Hurtwitz



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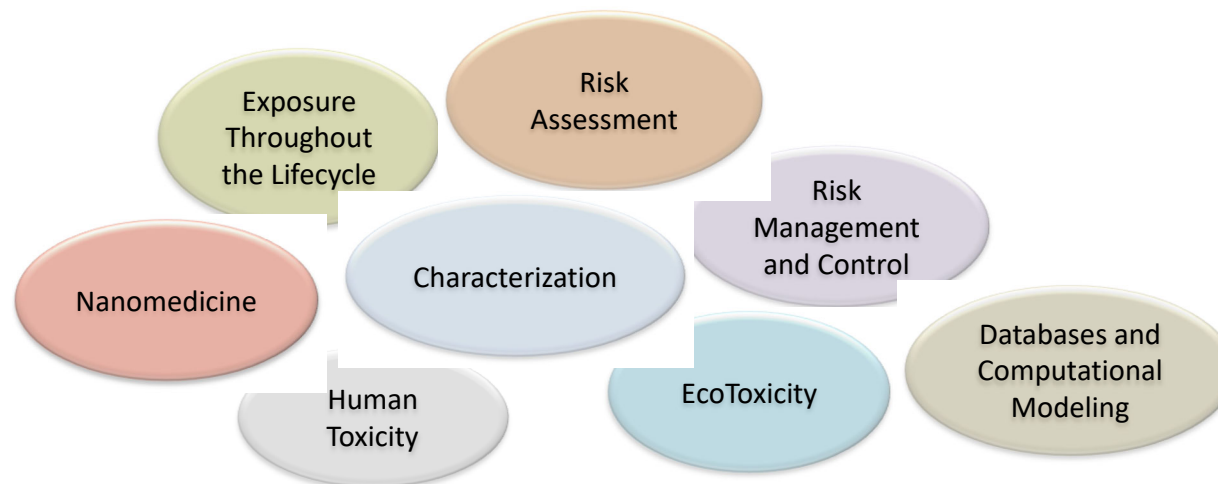


Thinker
by Jonty Hurtwitz



How this works

1. Attend COR Breakout Session
2. For each of the 5 words, enter two lines describing what the words mean to them into the appropriate googledoc (*emailed to COR co-chairs*).
3. If interested, can then share between combined COR to look for differences, similarities
4. Closing Nano-Cipher session will share, compare, and discuss



How this works



NanoEHS Characterization CoR



SHARE

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	A	B	C	D
1	Please take a short time to describe what these chosen 5 words mean to the people in your COR meeting. You can choose to do this as a whole group or divide up (US and EU groups?) and come back together, but please submit one googledoc per COR. You may also choose to list out words that would be critical within just your COR to understand. Not necessary to share a meaning for the Nano-Cipher but these can be food for thought.			
2		What is the word	What Does it Mean To Your COR (1-2 lines)	What differences were there in US and EU participants' concepts about these meanings?
3	Word 1	Exposure		
4	Word 2			
5	Word 3			
6	Word 4			
7	Word 5			
8	COR Word			
9	COR Word			
10	COR Word			
11				
12	CONCEPTUAL SHIFT			
13	What is a (or a few) concept(s) in NanoEHS that we need to change how we speak about?			
14				
15				
16				

Possible Words

- Exposure!
- *Dose?*
- *Model?*
- *Environmentally relevant?*
- *Read-across?*
- *Primary particle?*

- *Relevant across multiple COR domains*
- *Ripe for disconnects*
- *Bee in your bonnet*

For what words is it most important that we understand each other's meaning? (Where nanoEHS research has been and/or needs to go)