

Noticing Emerging Change

2022 ISSS Workshop

How we notice what's happening:

- Situations “develop”, “things happen”, “new lives emerge”
 - Signaling Change in our world
 - Cues for action in
 - Or to Take Stock of contexts and legacies

- A workshop for the ISSS Track 1 paper July 9 3:30 PM

”Holistic Natural Systems – Design & Steering”

What is it to “notice”?

We’re noticing and responding to what’s around us every minute

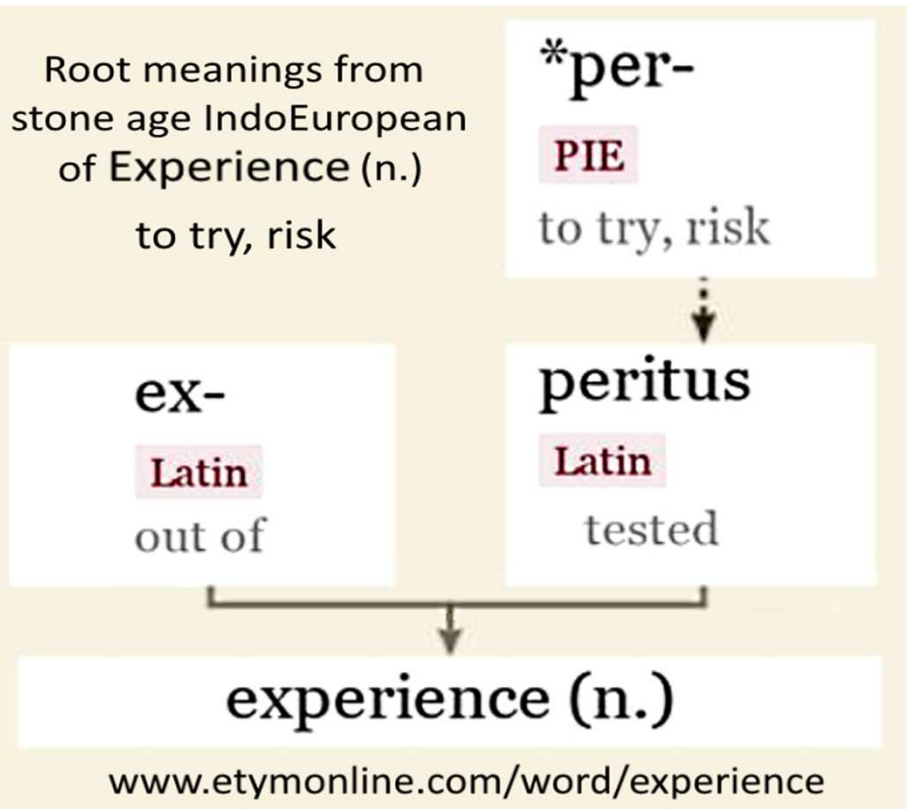
- Small things out of place, Patterns of change around us or within us
- Signs of the history or of the future
- To take action or what to avoid, to halt or let things develop
- Sometimes felt first then considered or considered first and then felt



The Etymology of “Experience”

to notice

- From late 14c., "**observation as the source of knowledge; an event which has affected one**," from Old French *esperience* "experiment, proof, experience" (13c.), from Latin present participle of *experiri* "to try, test," from *ex* "out of" (see [ex-](#)) + *peritus* "experienced, tested," from PIE **per-yo-*, suffixed form of root [*per-](#) (3) "to try, risk."



Perception can also be trained to see more!

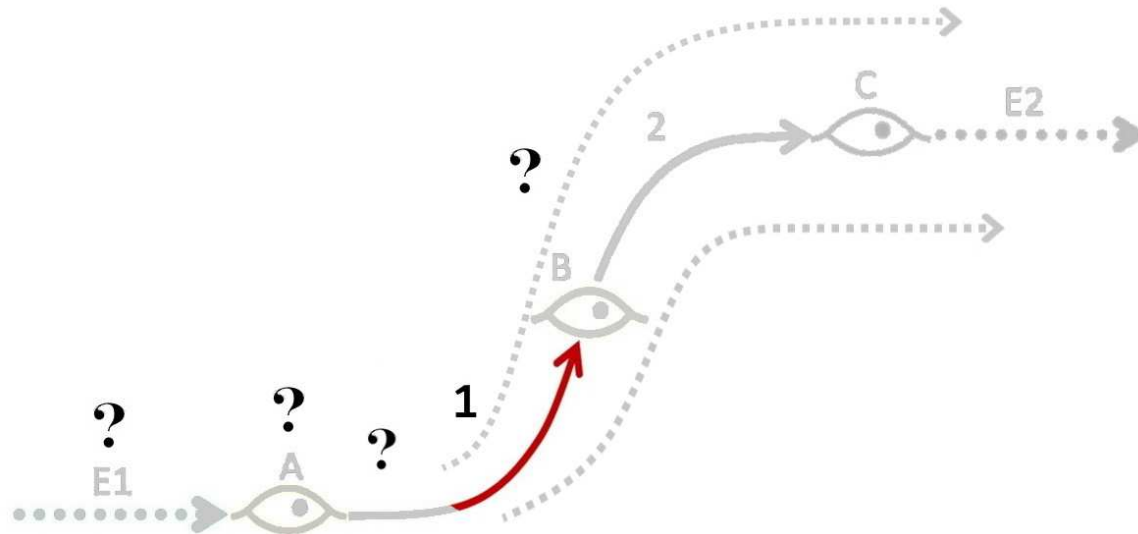
We all have powers of perception, that need exercise and care.

- When something important happens we often record a lasting holistic impression of the entire context
- Sometimes we see things as if happening in slow motion, as our minds speed up to catch every detail
- So we can just notice more by taking raw impressions of a scene that record more, and an ability to focus on more detail

How many people here know about these ways of seeing more?

Are they part of how performers, artists, scientists and architects do their exceptionally perceptive work?

Like catching a glimpse of something taking off!



All emerging systems have lifecycles, starting with a takeoff period.

- They're often fleeting, but say a lot about both the past and future.
- What is it, where'd it come from, where's it going?

To answer those is also helps to closely observe both familiar and unfamiliar examples as you come across them

What kinds of takeoff's have you noticed lately?

Large or small, what did *they mean to you*, and *to their contexts*?



- There's the feeling of a sneeze coming on, recalling a dream
- New relationships, or new roles in the office, the family, or with yourself
- Each and every one is different, and has a different backstory that may or may not connect with what you knew
- Rising Suspicions are important, so take unsuspicious stock of everything.

How do we know what's real?



It starts with noticing

- “Raw impressions” are different from “Interpretations”
- Both are real, of course, one with a simple relation to nature and the other more complicated.
- It's keeping one's raw impressions that helps you later notice things you did not see

Looking for what you can know for sure is a place to start



- Raw impressions are priceless.
- Languages developed to help us record and share our understandings
- So language was our first “systems science.”
- So I guess we do know quite a lot!
- What can you can check, and learn more from each time

Traditional science took another tack



Physical models for what can be taken out of context to study.

- Powerful numerical rules for controlling things out of context, disrupting contexts when used
- Unable to study systems that develop internal designs
- Unable to create faithful model complex contextual relations

Here are some of mine



- Natural systems are lively from concentrating energy
- Natural systems emerge by growth from some animating seed
- Their essential character stays with them from beginning to end
- They're the hearts of any new businesses, new sounds in music, new people, and cultures.

So, what do we have to work with



- Inheriting an true copy of an ancient language of systems helps
- We learn from experience too, education, and sharing experience with others.
- Everything is happening for the first time, though, so we also need a self-taught skill to see what things mean in context

So, how do we notice what's happening



- We inheriting an ancient language of natural systems, that helps
- We have experience, education, and from sharing with others
- It's all happening for the first time and we're self-taught on how to read new meanings in context
- We often do it in a snap, from the smallest detail, but how?

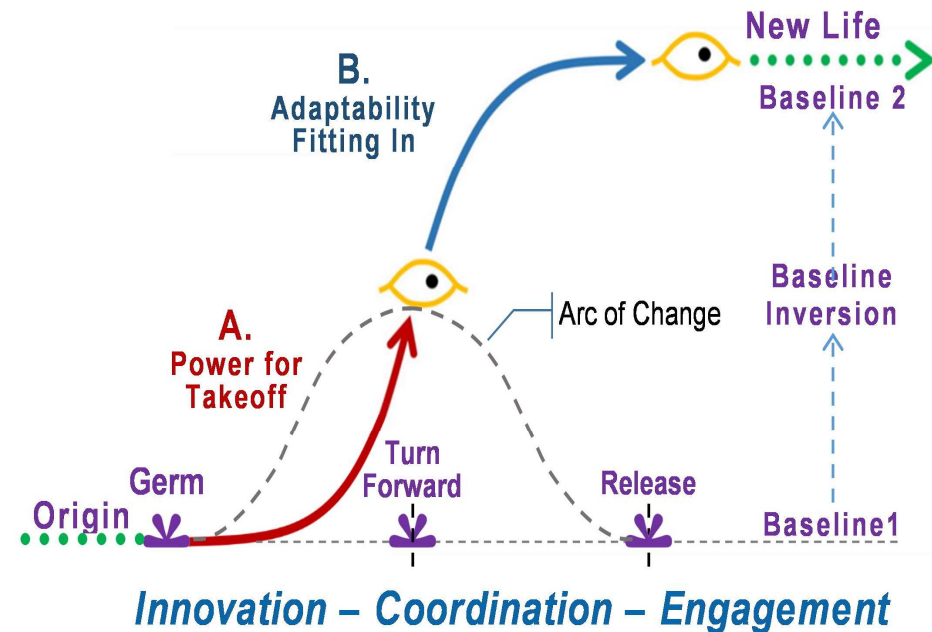
What little things tell you more than expected?



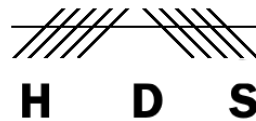
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The Environmental Growth Path of Long Lives



- Every emergence of a new system's life cycle is a genuine surprise,
- Producing a unique individual, on ITS own terms
- To engage with an environment on ITS own terms



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