EXPERIMENTAL PROPOSAL: 1) MEASURING ENTROPY IN LEGAL ECOSYSTEMS

- It is possible to **measure entropy ('S') in given ecosystems ('ε')** in a number of ways. For instance:

1) **Identifying S_ε**, like: a) **human** (unemployed individuals and / or with criminal-like behaviors); b) **natural** (abandoned lands, buildings, etc. indicated with ❌, but also animals).

2) **Analysing data of total spending ('TS') intra- and extra-ε**, like:

Sector / problem	TS intra-ε	TS extra-ε	Entropy 'S'
Food / water	100.000	500.000	400.000
Clothes	10.000	200.000	190.000
Energy	10.000	400.000	390.000

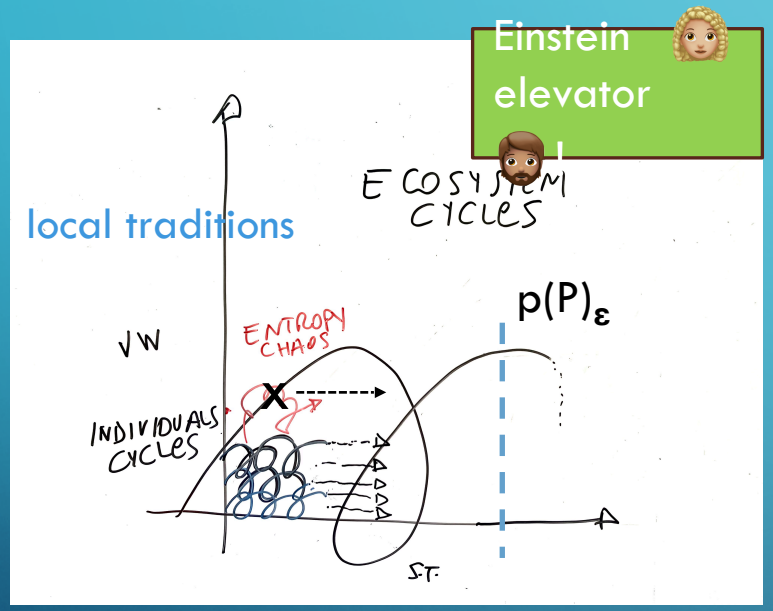
3) **Identification of 'useful work'** ('W_ε') to optimize **ε** as $\lambda(S)=W_\varepsilon$,

where lambda ('λ') is the relativistic factor representing the principle of law and love.

➢ **COMPETITION BY SUBSTITUTION of extra- ε with intra- ε: smart contracts and local districts' legal claims**

2) DESIGNING AND 3) BUILDING OPTIMAL COMPETITIVE PROCESSES WITH QUANTUM AND RELATIVITY MODELS

- To achieve a dynamic equilibrium of peace and prosperity (relative happiness) in ecosystem '$p(P)_\varepsilon$' we assume $\Delta(\Sigma\lambda) = p(P)\varepsilon$
- Recalling $E = MC2$, we derive $\lambda = \frac{E}{M}$, whereby λ **has tripartite nature: light, wave and probabilistic**
- It is proposed to model ecosystems as $\pi(\lambda\varepsilon) = \frac{E}{M}$ whereby π is ecosystem individuals' potential profit



A cyclical interrelated perspective

Quantization of ecosystems

Regeneration

$\pi_L = \%(TS_\varepsilon)$

IMPLICATIONS FOR REGULATORS AND PRACTICE

- From stock exchanges to tokenized / codified real assets exchanges
  - The real economy is much larger than we think under standard financial models
  - From debt to equity financing: a new life-science venture capital & litigation funding model
  - Cooperation between competition and financial authorities
- Reconsidering lawyers' incentives in light of local reality and public policy objectives
- New concept of efficiency (and work-life balance) including λ as vectorial force