



CREATIVITYANDINNOVATIONDYNAMICS

WHY ARE WE SO INTERESTED In creativity and innovation?

Creativity and innovation are key elements in the evolution of human societies, biological systems and technology. They represent the frontier of exploring new solutions in ever-changing and unpredictable

From this perspective, they are becoming progressively more and more crucial to help both individuals and societies face the challenges of our complex world.

IS IT REALLY POSSIBLE TO MEASURE CREATIVITY?

Not really, actually. But creative solutions, novelties and innovation share an important feature: often innovative events do not happen by chance: they seem to be triggered by a previous novelty or innovation. By opening new possibilities, one novelty can pave the way for others in a process that **Stuart Kauffman** has called "expanding the adjacent possible". Our aim is to unfold and quantify the underlying mechanisms through which creativity emerges and innovations diffuse, compete, and successful innovations stabilize.

NOT QUITE SATISFIED? NEED MORE DETAILS? HERE ARE SOME OF OUR BIG QUESTIONS.

time? Can we detect complex triggering processes

ARE WE USING SPECIFIC TOOLS?

Yes, we definitely are. We have a unique opportunity to

1 We have the ability to monitor, quantify, and model human behaviors at unprecedented resolution and scale,

2 The theoretical and modeling tools recently developed 3 The opportunities of web-gaming and social

WHY IS PLAY SO IMPORTANT?

Play is the fundamental context for most human learning: activities like exploration, experimentation, and innovation all happen best when we're at play. The use of games for research purposes - specifically web-based games - is a fast spreading phenomenon, changing the way research activities are conduced and how data are generated in many scientific fields. Are you curious about what we do?



Kreyon project.

JOIN US – CONTRIBUTE TO THE KREYON PROJECT

- You have a unique opportunity to contribute to the
- Visit our website and try our web-based games have fun and do science at the same time!

www.kreyon.net