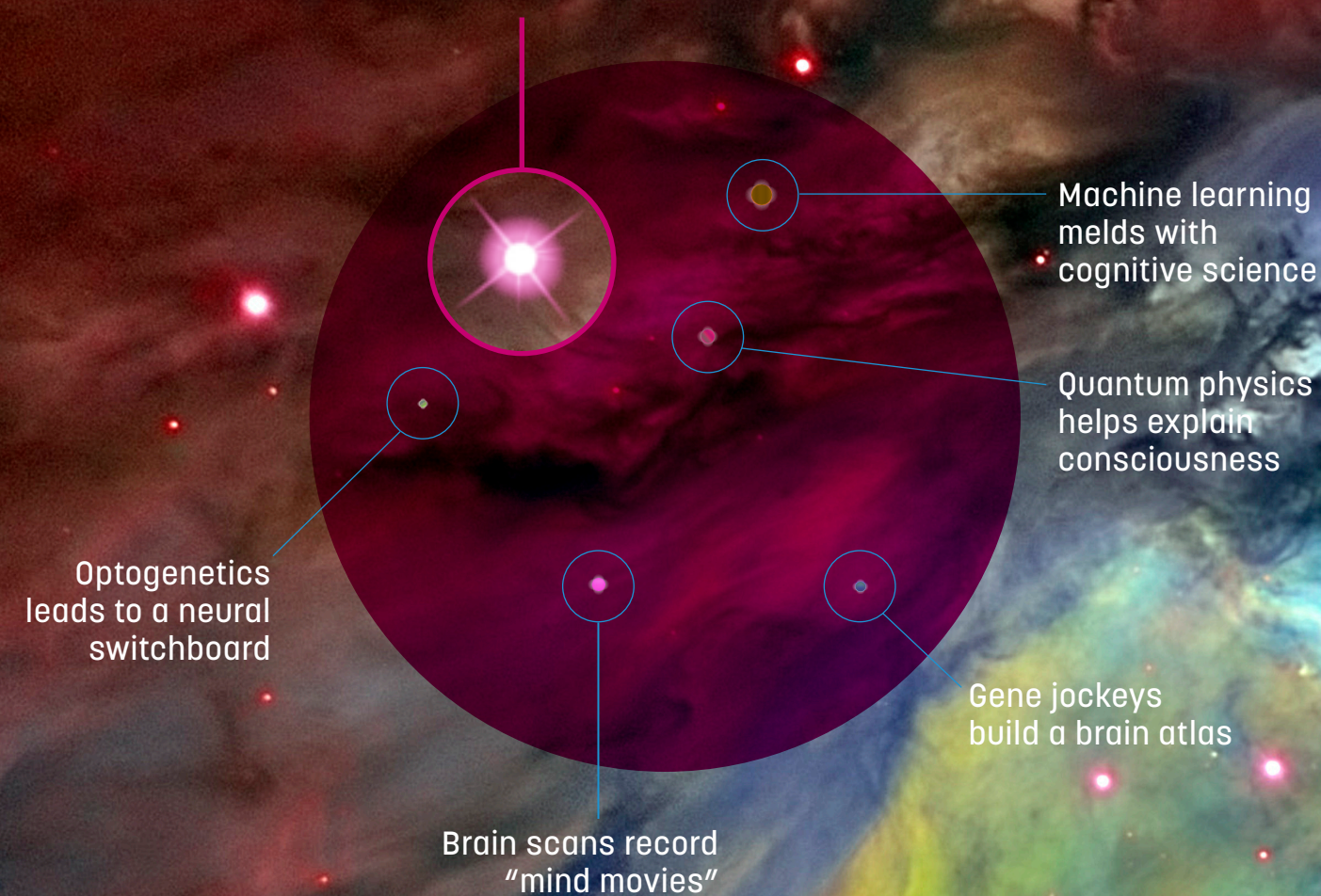


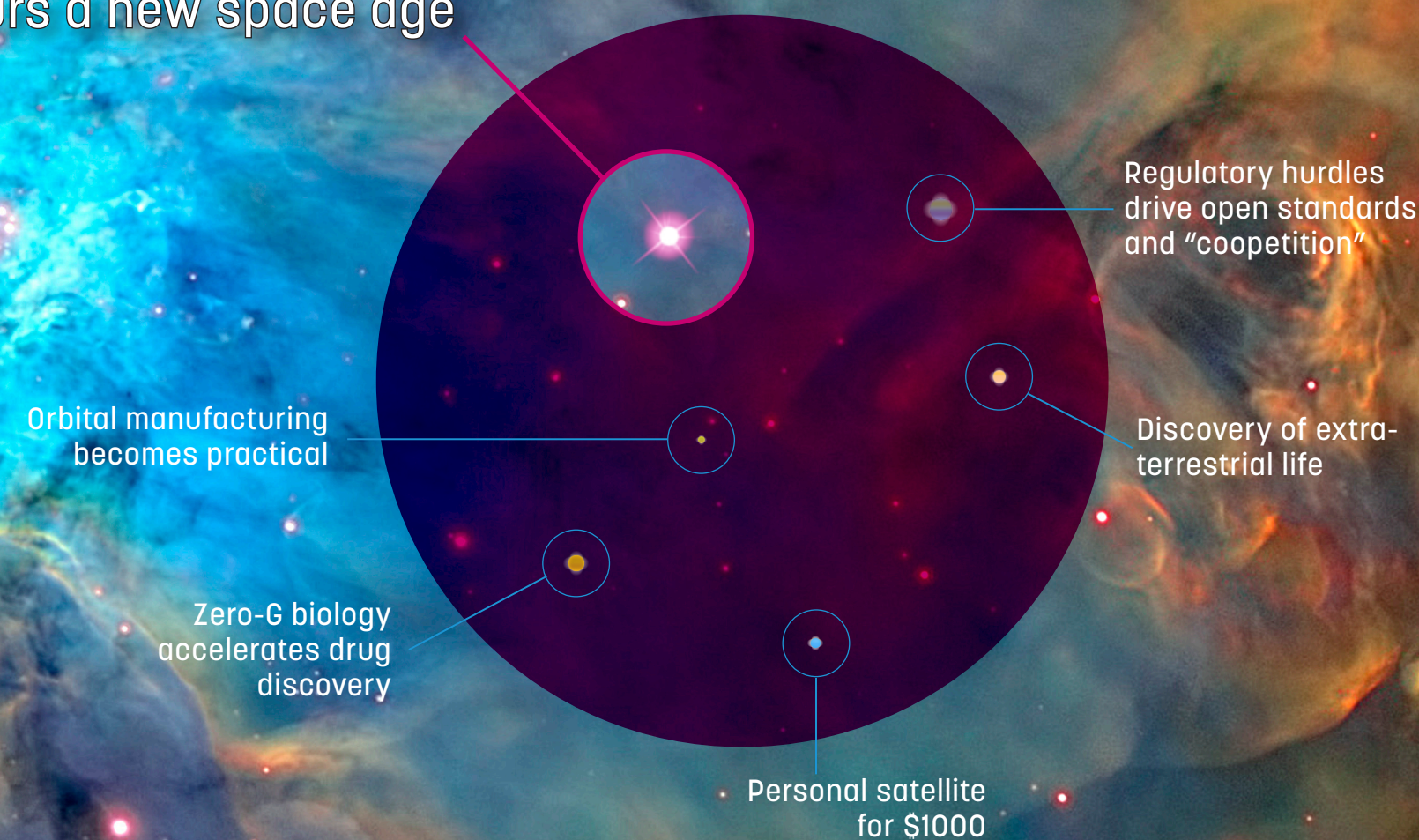
## Decrypting the Brain

modeling the complex mind



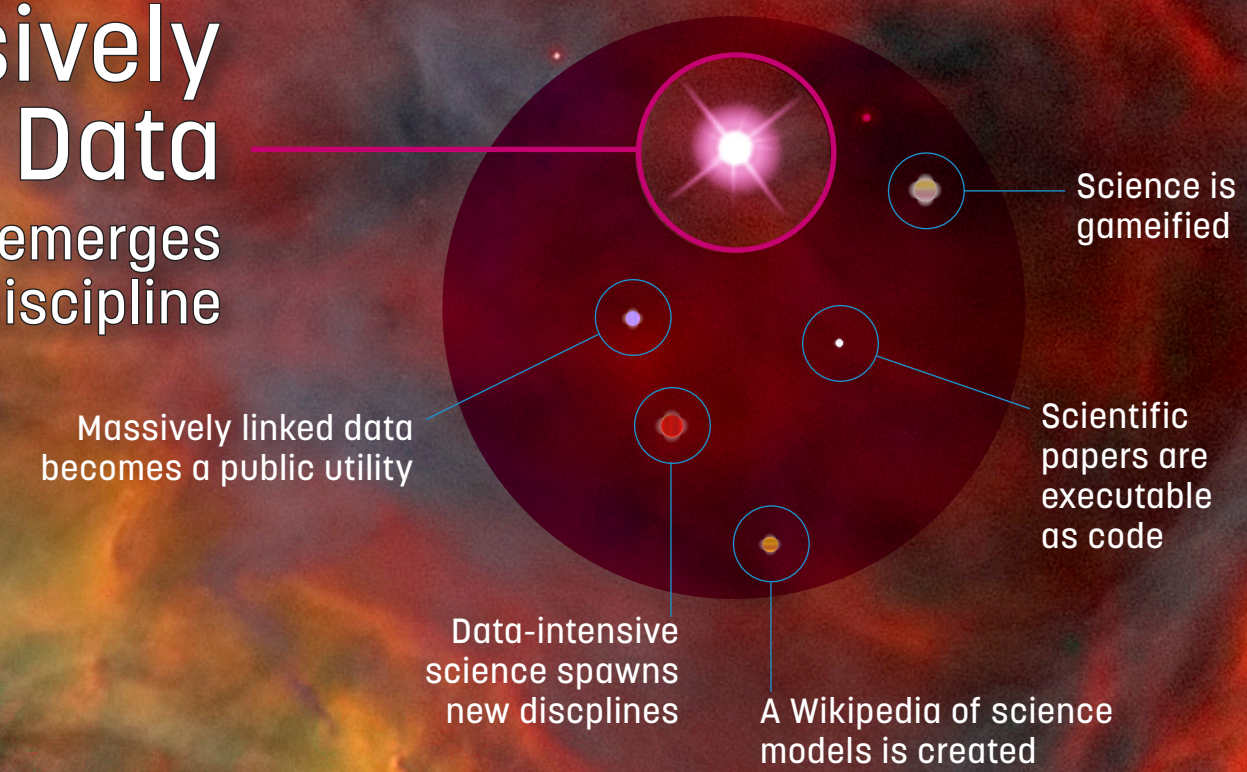
## Hacking Space

public and private access spurs a new space age



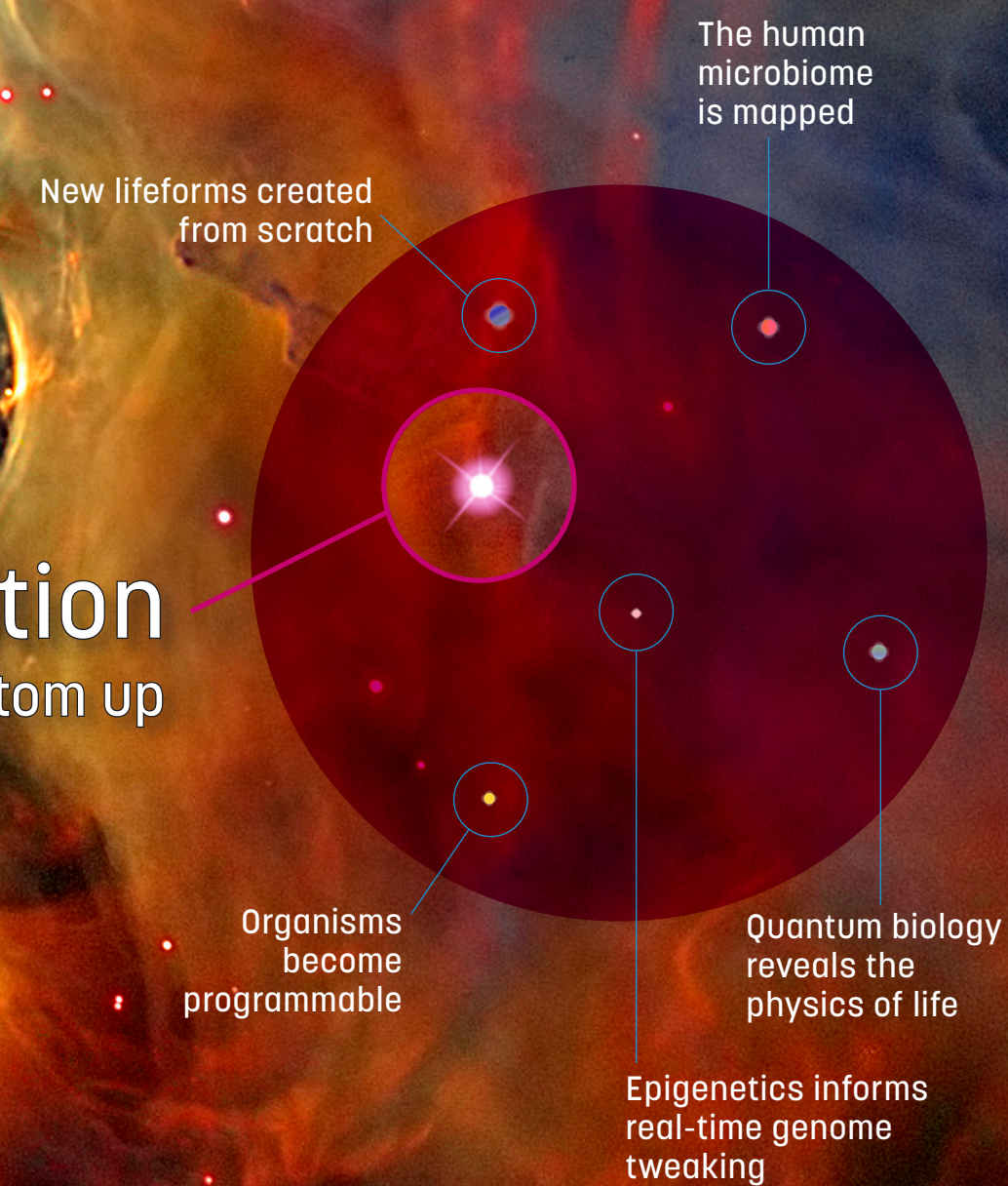
## Massively Multiplayer Data

human-data interaction emerges as a core discipline



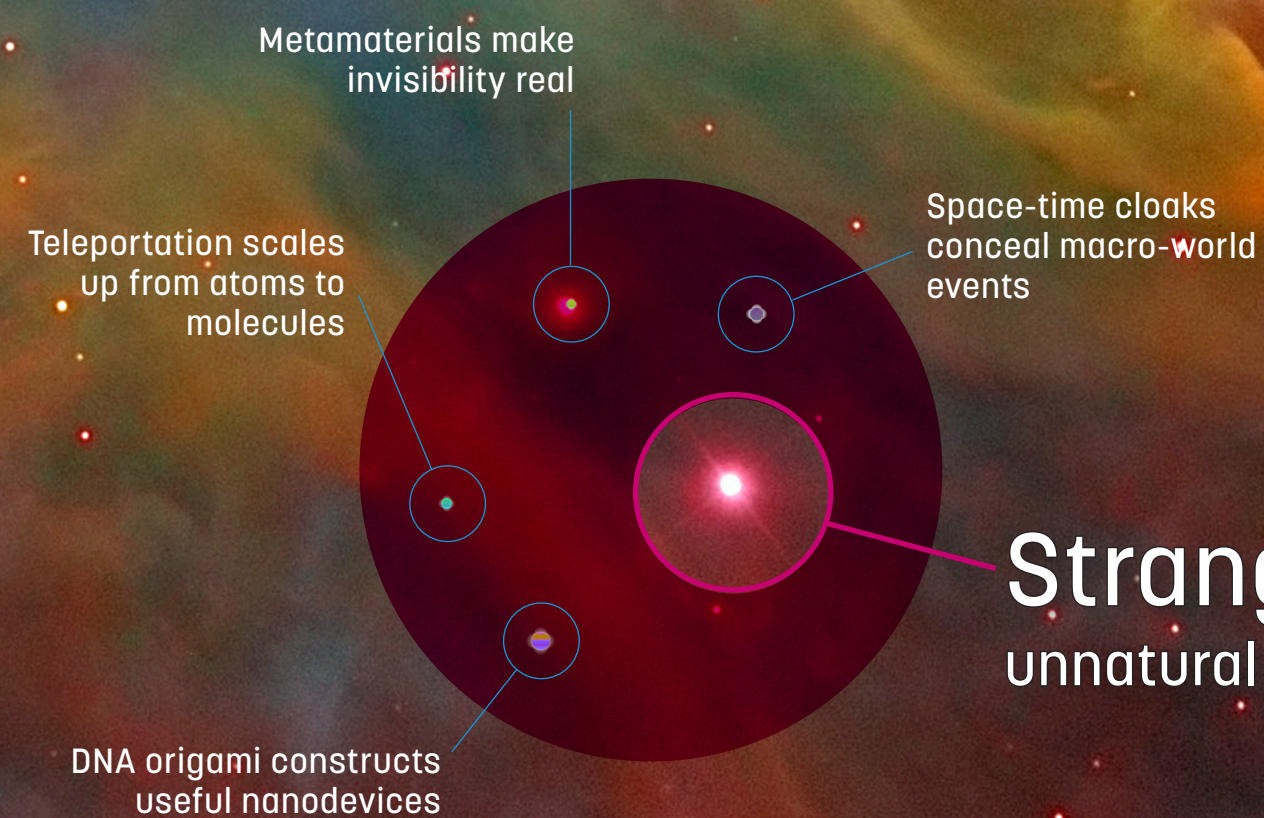
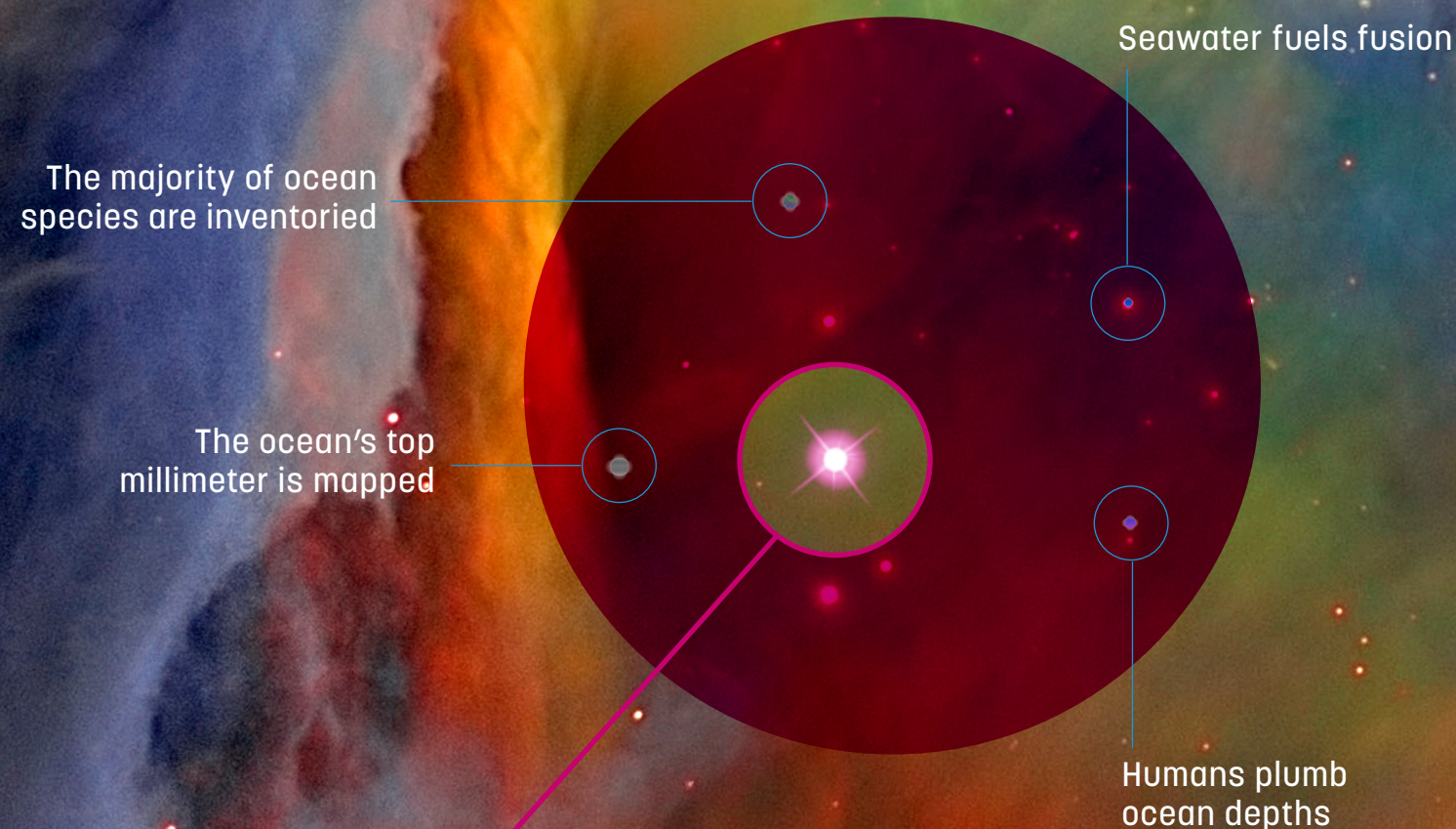
## Engineered Evolution

manipulating biology from the bottom up



## Sea the Future

oceans become the new frontier for energy, ecology, and engineering

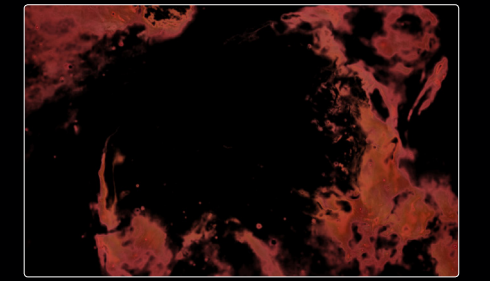


## Strange Matter

unnatural materials reshape our world

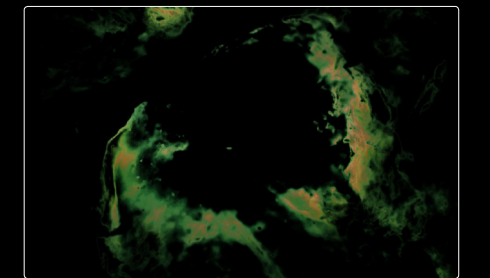
## interstellar clouds of creation

amplified collaboration



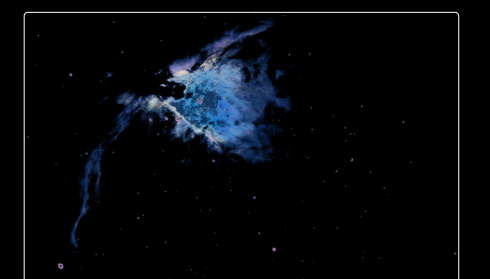
Unprecedented endeavors demand new skills and communities-of-practice.

peer review and peer pressure



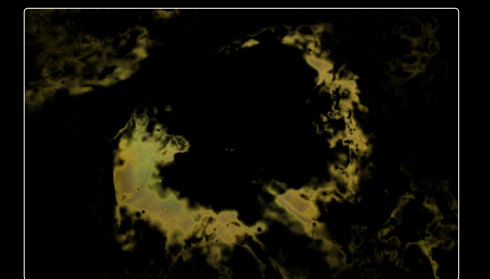
New social and crowdsourced systems emerge for knowledge-sharing and evaluation.

recycle, reuse, research



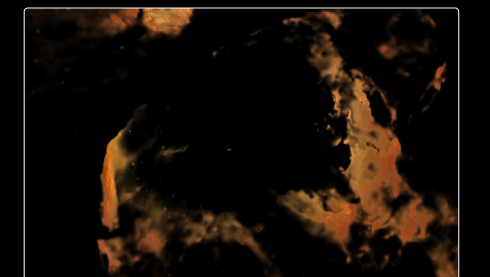
Obsolete tools are hacked, modded, and shared for new purposes.

reshuffling the global deck



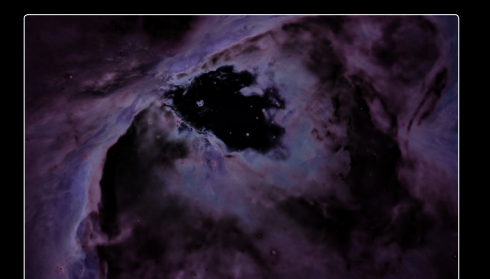
Innovation increasingly comes from beyond the Americas and Europe.

public patronage



Community funding and microgrants support scientific efforts.

citizens of science



The public is awakened as active contributors to scientific endeavors.



a multiverse of  
**EXPLORATION**  
THE FUTURE OF SCIENCE 2021

"Imagination is more important than knowledge." —Albert Einstein

Institute for the Future | 124 University Ave., 2nd Floor, Palo Alto, CA 94301 | [www.iffi.org](http://www.iffi.org)  
This work is licensed under the Creative Commons Attribution-NonCommercial-Share-Alike 3.0 United States License. | SR-1454A



© 2016 Russell Corman, [www.rc-astro.com](http://www.rc-astro.com)