# Hype Cycle for Emerging Technologies, 2023

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#### The Hype Cycle for Emerging Tech Spans IT

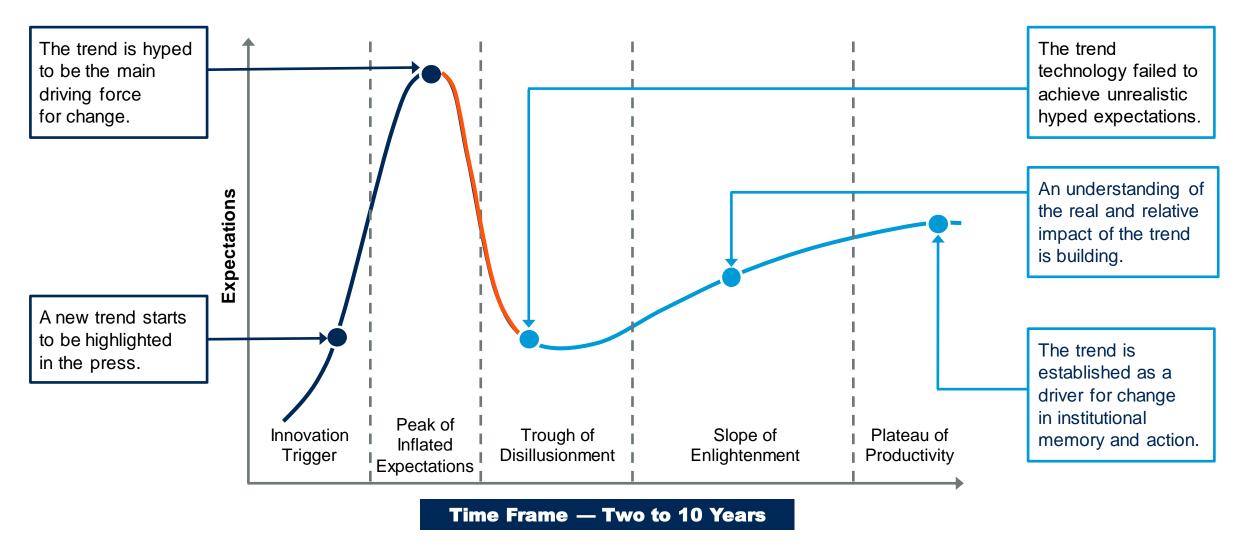
Distills must-know emerging technologies from more than 2,000 innovation profiles that show promise of transformational competitive advantage over the next two to 10 years.



Reach Beyond. Discover, Innovate, Accelerate.

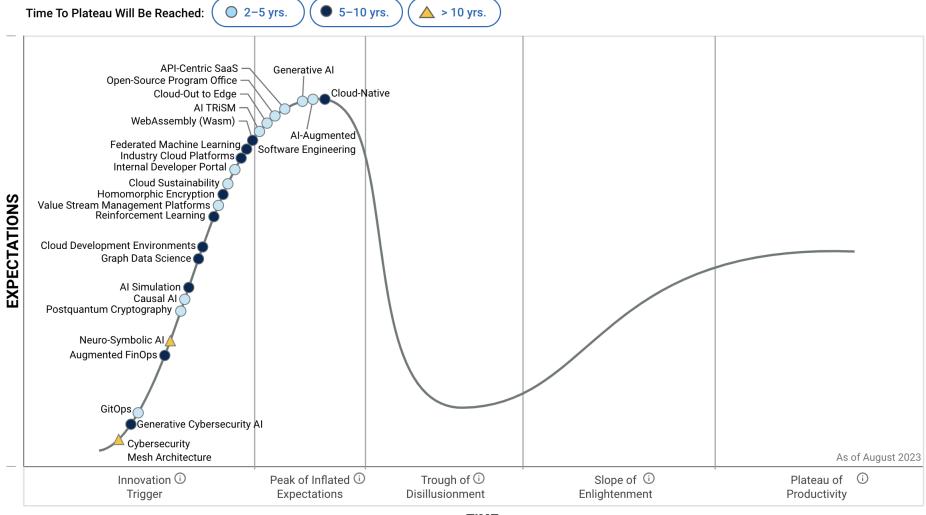


#### **Explaining the Hype Cycle Stages**





### Hype Cycle for Emerging Technologies, 2023



TIME





### Four Emerging Technology Themes

Human-Centric Security and Privacy

**Emerging Technology Themes** 

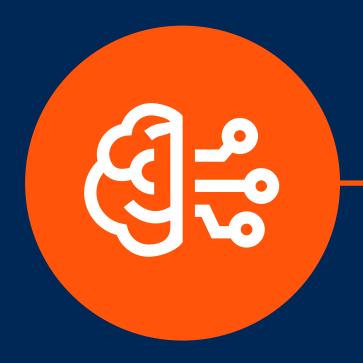
**Emergent** 

ΑI

Developer Experience

Pervasive Cloud

Gartner



## **Emergent Al**



#### **Emergent Al**















GenAl will be the foundation for Al innovation, but other emerging Al techniques also offer immense potential.





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## Developer Experience (DevX)

#### **Developer Experience (DevX)**









API-Centric SaaS



**GitOps** 



DevX is vital for attracting and retaining top talent, for ensuring team morale remains high, and that work is motivating and rewarding.





### **Pervasive Cloud**



#### **Pervasive Cloud**





**Cloud-Native** 



Industry Cloud Platforms



Cloud Development Environments



**Cloud Sustainability** 



Augmented FinOps



New cloud innovations will make it more distributed, verticalized, portable and efficient, enabling pervasive cloud.





### **Human-Centric** Security and Privacy

#### **Human-Centric Security and Privacy**











Generative Cybersecurity AI

These technologies can facilitate a more human-centric approach to security and privacy, enabling mutual trust and shared responsibility between teams.



### Next Steps: Assessing the Impact of Emerging Technologies

**Hype Cycle Technology Candidates** Why Do I Care? Potential Business and Societal Impact Why Can't I Ignore It? What Is the Maturity of the Technology? Degree of Maturity What Obstacles Must Be Overcome? How Is This Technology Being Used? Generic Use Cases Apply It to Product, Process, B-Model? What Are the Opportunities for Your Organization? Your Organization How Should You Respond? Technology Radar Innovation Roadmap Strategic Planning



#### **Recommended Gartner Research**

- Hype Cycle for Emerging Technologies, 2023
  Arun Chandrasekaran and Melissa Davis (G00793566)
- Tool: Create Your Own Hype Cycle With Gartner's Hype Cycle Builder Frances Karamouzis and Jan-Martin Lowendahl (G00776047)
- Understanding Gartner's Hype Cycles Philip Dawson, Jan-Martin Lowendahl and Felix Gaehtgens (G00793868)

