

## Session 4: Panel discussion - Future directions

16:30 -- 17:30, 19 February 2024  
Geneva, Switzerland

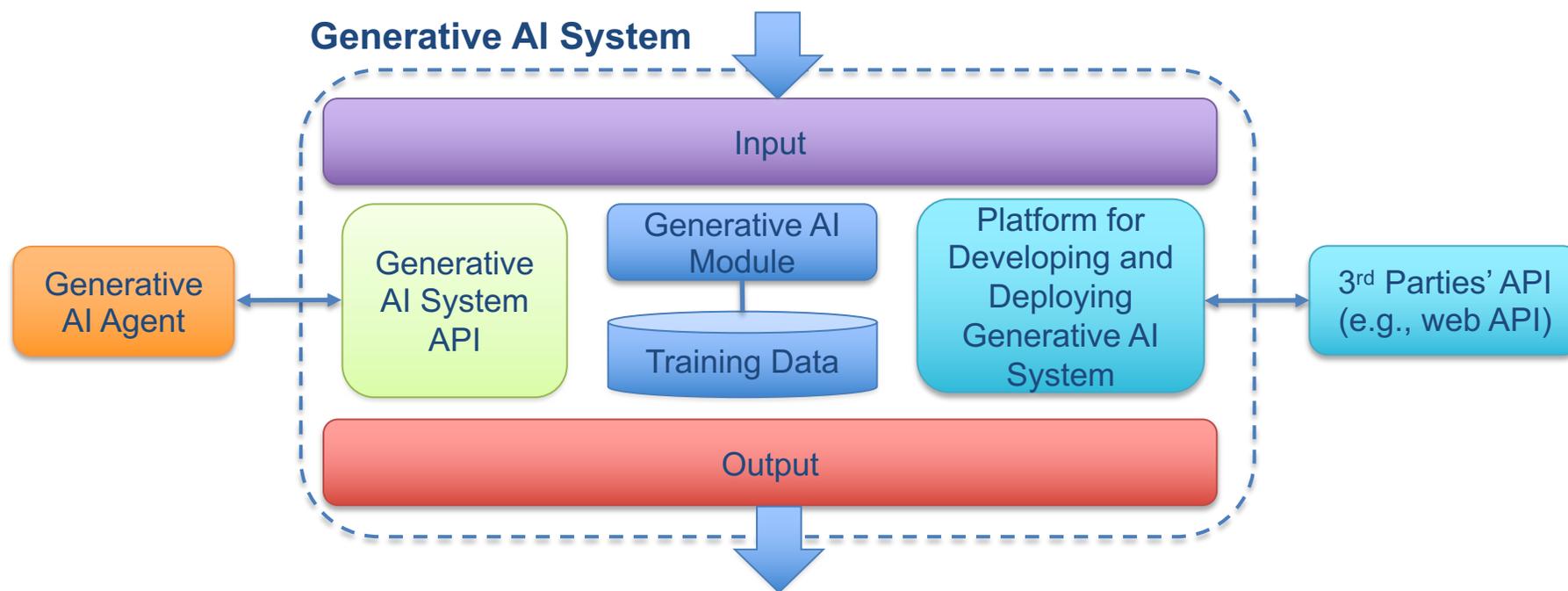
## **Session 4: Panel discussion – future directions**

This session will explore opportunities for future standards and provide recommendations to ITU-T Study Group 17 for future work in this area.

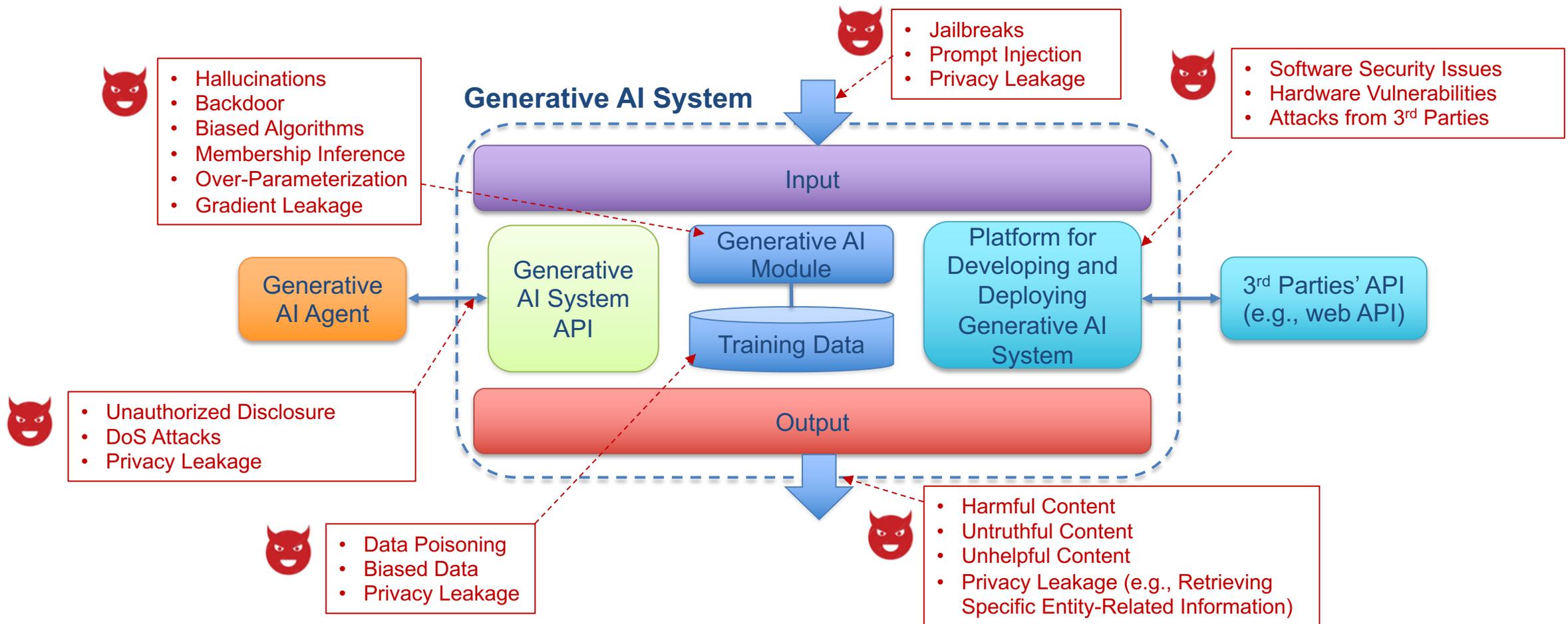
## Members for the panel

- **Moderator: Zhiyuan Hu**, Vice-Chair, WP2/17, Question 2/17 Co-Rapporteur | Director, Security Research, vivo Mobile Communication Co. Ltd, China
- **Panelists:**
  - **Ann Cavoukian**, Executive Director, Global Privacy & Security by Design Centre
  - **Ramy Fathy**, Co-chair, ITU-T Focus Group on Artificial Intelligence and Internet of Things for Digital Agriculture" (FG-AI4A) | Director, Digital Services Planning and Risk Assessment, National Telecommunications Regulatory Authority of Egypt (NTRA), Egypt
  - **Clarisse Girot**, Head of the Data Governance and Privacy Unit, OECD
  - **Jabu Mtsweni**, Chief Researcher and Centre Manager for the Information and Cybersecurity Research Centre, Council for Scientific and Industrial Research (CSIR), South Africa
  - **Heung Youl Youm**, Chair, ITU-T Study Group 17, Security | Professor, Department of Information Security Engineering, Soonchunhyang University, Korea (Rep. of)

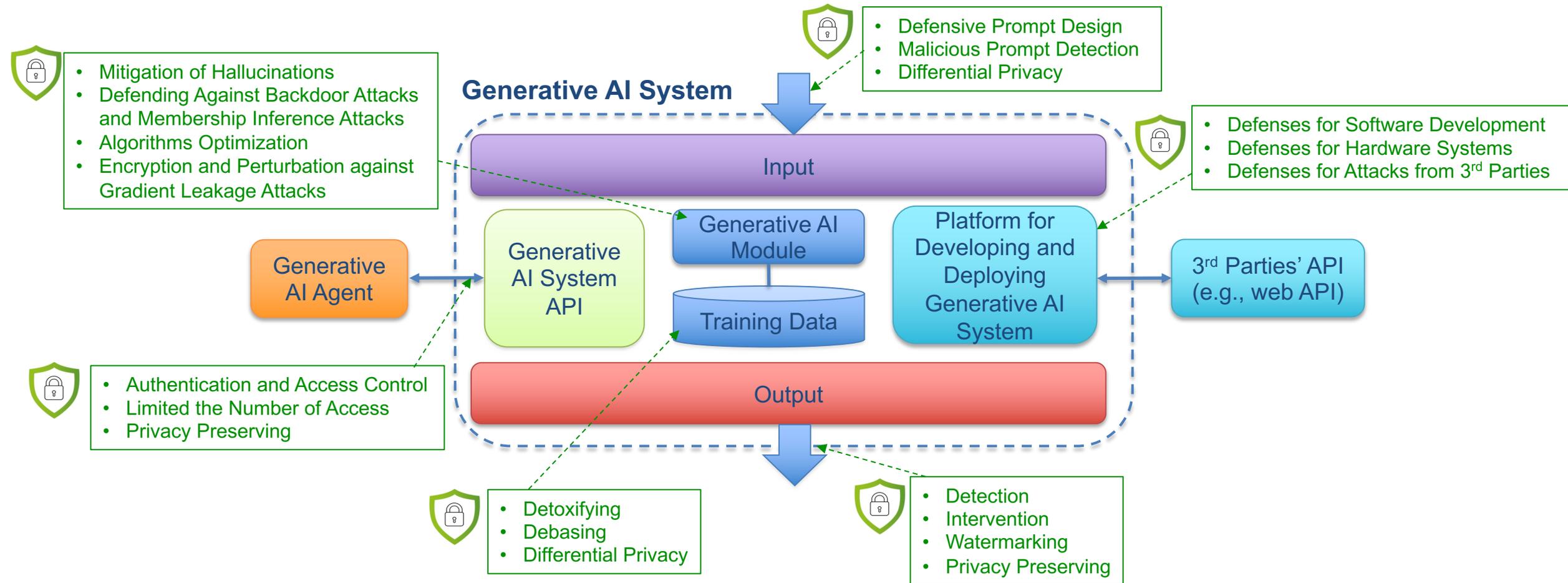
# Overview of Generative AI System



# Security and Privacy Problems



# Security and Privacy Countermeasures



## Generative AI for Security

- Cyber defense automation
- Threat intelligence
- Secure code generation and detection
- Identification of cyber attacks
- Malware detection
- Enhancing the effectiveness of cybersecurity technologies

## Generative AI for Attack

- Social engineering attacks
- Phishing attacks
- Automated hacking
- Ransomware code generation
- Malware code generation

## Questions for the panelists

- **Standardization Gaps:**
  - a. What are the current gaps in international standards related to security and privacy of generative AI, generative AI for security, and how can they be addressed?
  - b. How can future standards ensure interoperability and compatibility across different generative AI technologies and platforms?
- **Ethical considerations:**
  - a. How can standards incorporate ethical guidelines to guide the development and use of generative AI technologies, for example, to prevent generative AI from being used for cyber attack?
- **Global Standards and Collaboration:**
  - a. What ways can international collaboration and standardization efforts enhance the security and privacy of generative AI technologies?
- **Way forward for SG17:**
  - a. Considering the discussion today, are there any topics from the 3 previous sessions that could lead to fruitful standardization work at SG17 with no duplication with other SDOs?
  - b. What is your key takeaway for ITU-T SG17 based on your experience and discussion today?