



中国移动
China Mobile

5G⁺



Introduction of CMCC Intelligent Network Open Innovation Platform

Lei Huang, China Mobile

Mar, 2022

Background-Introduction of Intelligent Networking



- What is Intelligent Networking?
 - A network empowered by AI technologies and systematic integration of AI and communication network on hardware, software, systems and processes to realize lower cost, higher efficiency and agile business.
- What is Intelligent Networking Ecosystem?
 - Through open source and standards organizations, jointly build intelligent network ecosystem, share network intelligent R&D resources, define industry standards, and provide open source reference implementations.

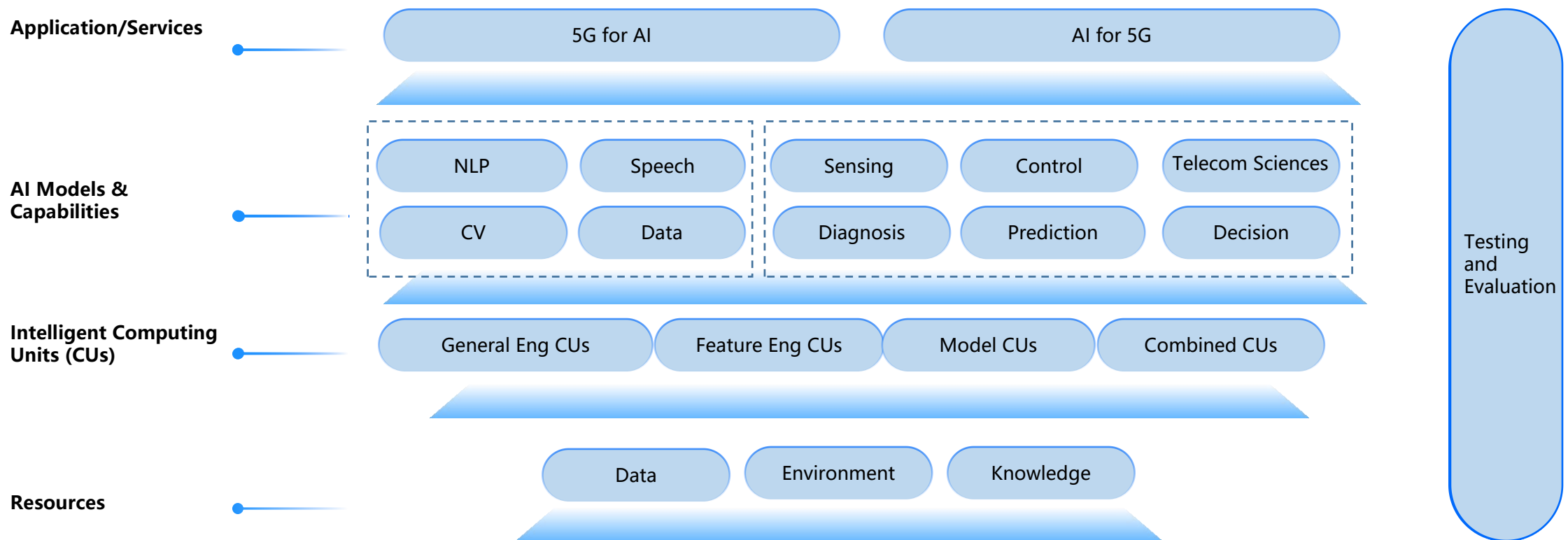


Action for Building Intelligent Network Ecosystem



In order to solve the bottleneck problems of network intelligence and stimulate innovation vitality to build the open innovation platform for intelligent network

- Provide the basic platform and innovation environment required for 5G+AI technology and application R&D
- Form a tightly coupled industrial collaboration ecosystem with experimental environment and computing environment as the core

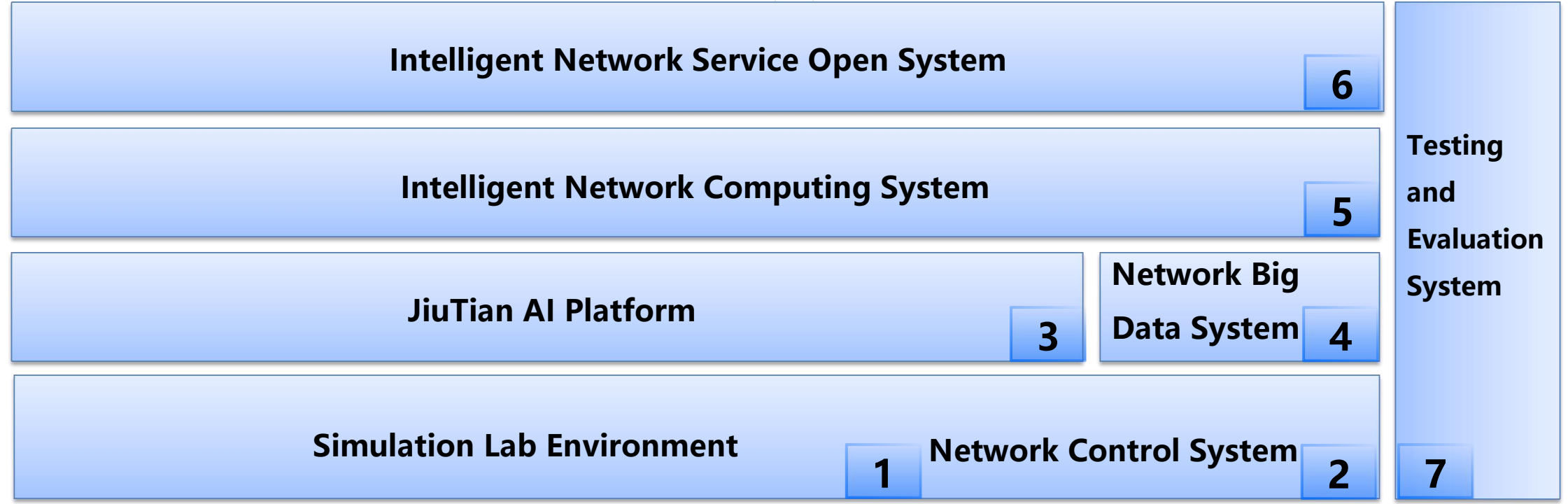


CMCC Intelligent Network Open Innovation Platform



In order to solve the main challenges in the advancement of network intelligence, we build open innovation platform-

- Provide a **flexible test environment** to support innovation, verification, and large-scale testing of network intelligence technologies → ①②
- Realize technical research and breakthrough for the systematic and intelligent communication network → ③④⑤
- Provide an industrial joint innovation platform, break through the original industrial chain collaboration mode, and build a platform-based ICT tightly coupled cooperation mode → ⑥⑦



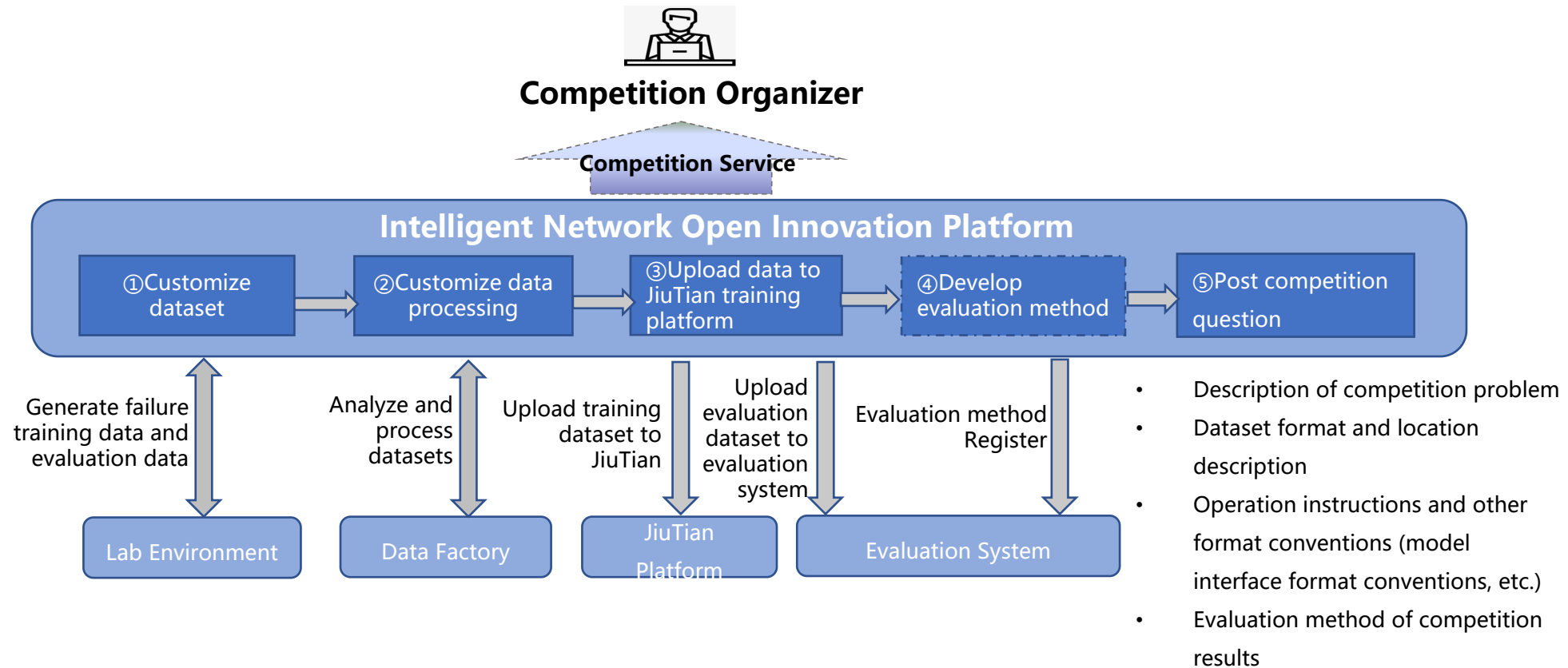
How does Open Innovation Platform supports AI competition



Ex: failure recognition

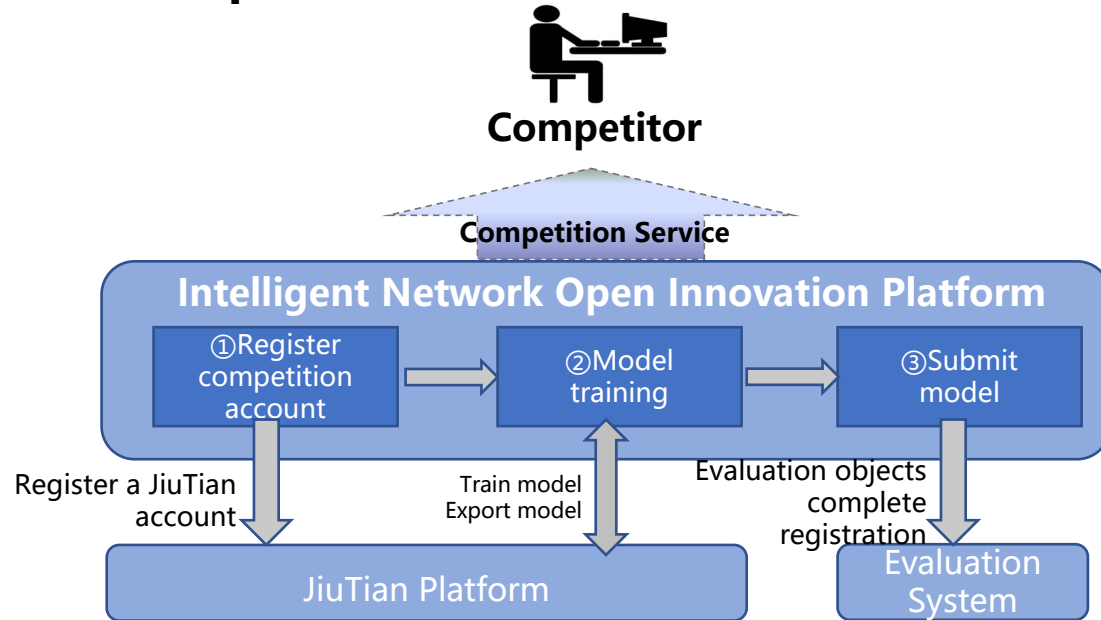
Competition stage: 1.Curation Phase → 2.Competition Phase → 3.Evaluation Phase

1. Curation Phase: prepare for the competition

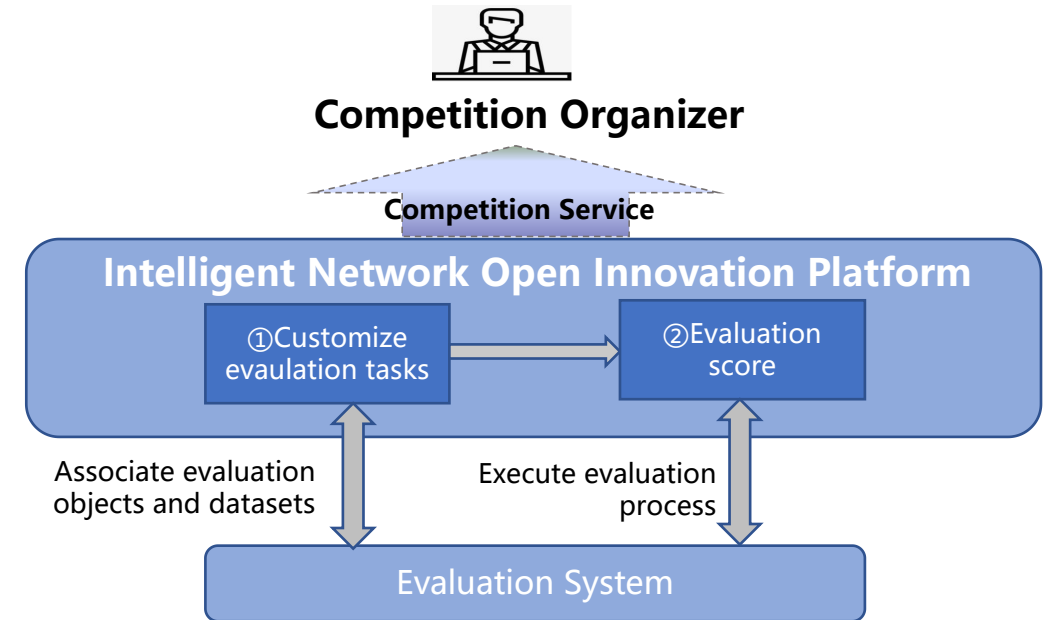


How does Open Innovation Platform supports AI competition

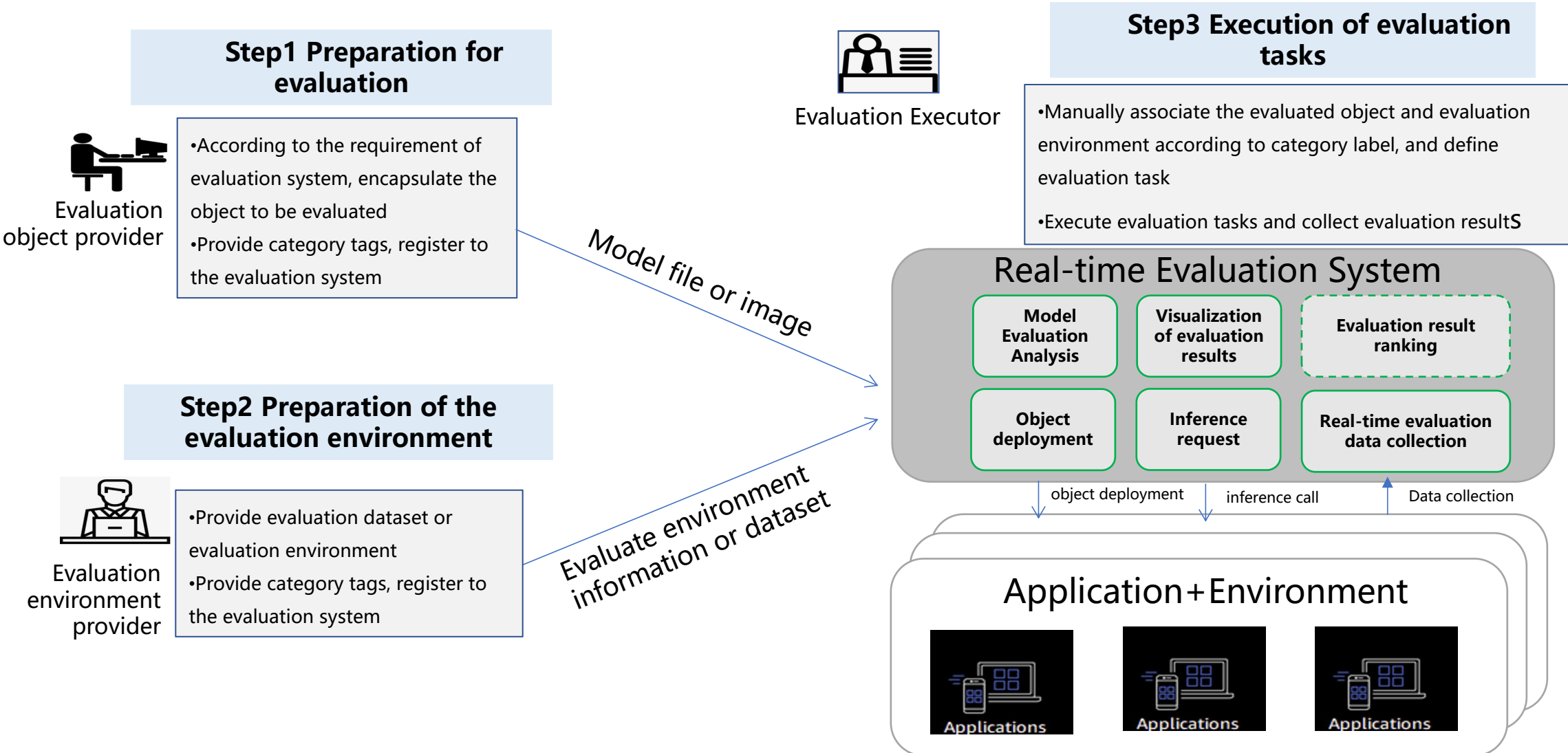
2. Competition Phase



3. Evaluation Phase



Process of executing evaluation system



Collaboration Recommendations



- **First round of ITU competition:** CMCC generate and open data to competitors
- **Afterwards:** Consider connecting to JiuTian platform and evaluation system
- **Others...**