

Building Smart Infrastructure for Service Realization

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Testbed: Wild & Organized Playground

DevOps
(Power User)

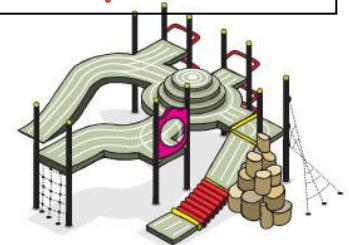
Play (Experiment)

- Configuration
- Control
- Visibility



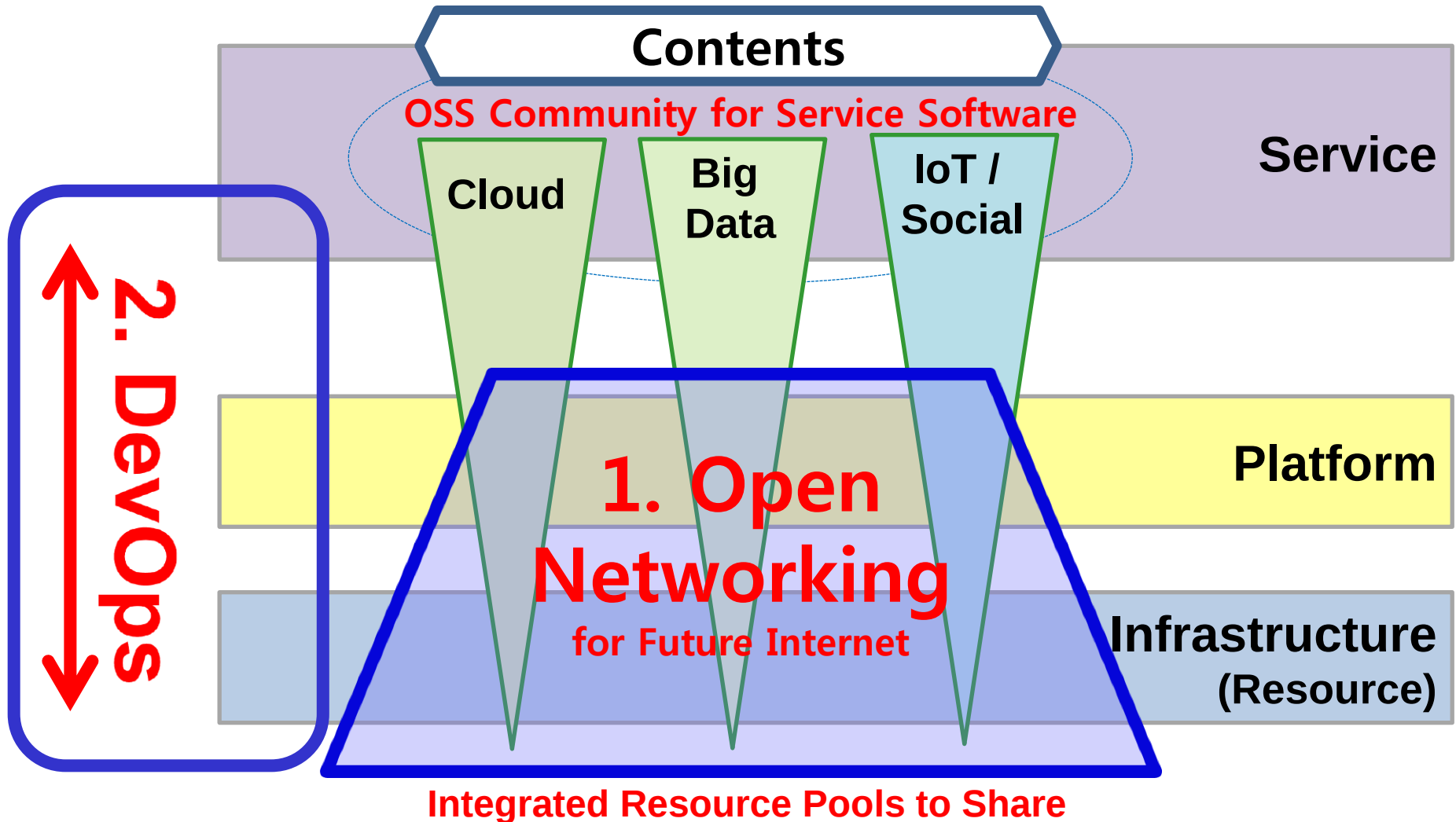
Provide Playground
with Resources

(Provider)

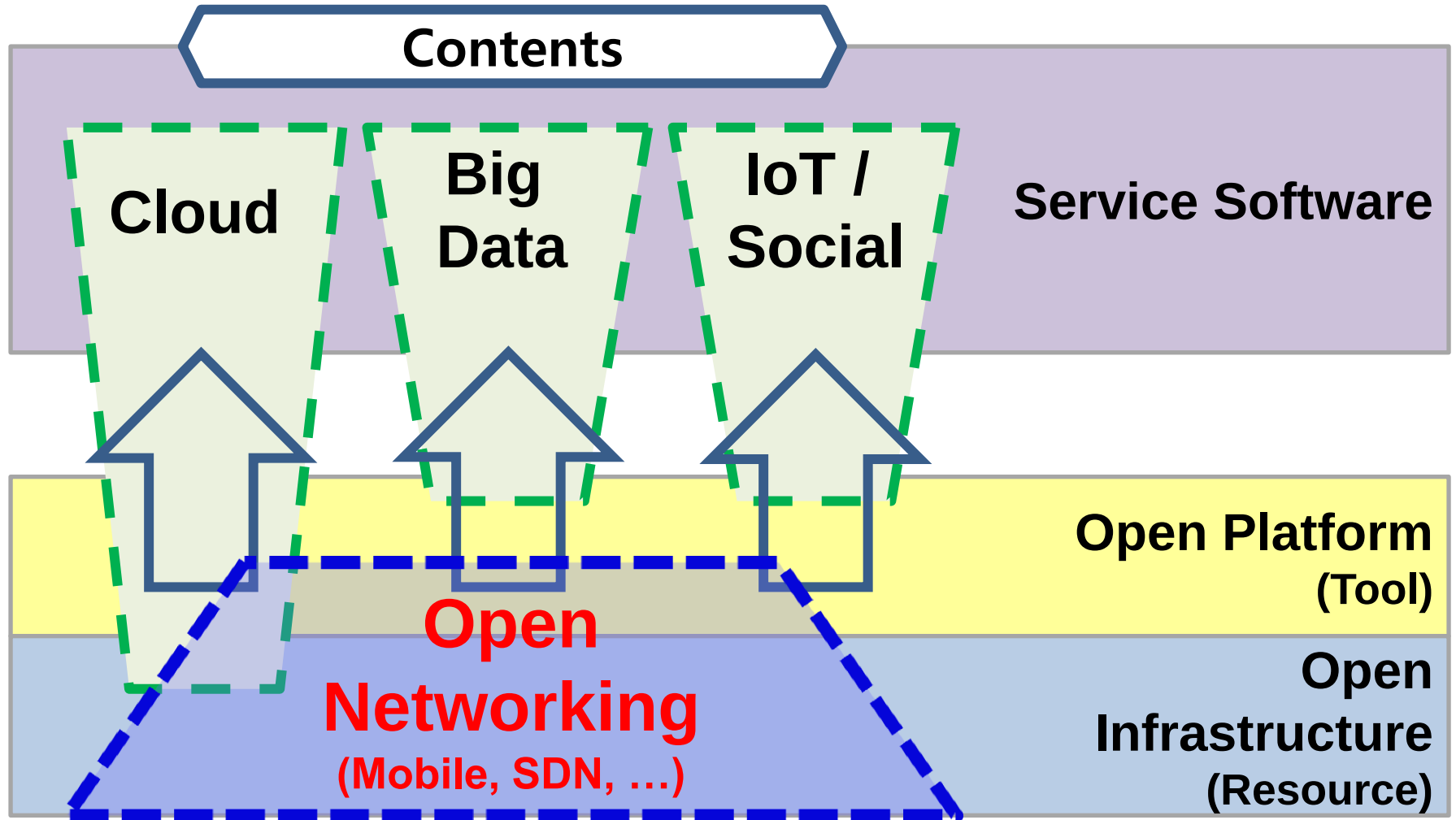


개방형 네트워킹과 개발운영 병행을 통한 Open Innovation Platform 구축

OSS: Open Source Software



1. 미래인터넷 서비스 실현을 위한 오픈 네트워킹 제공

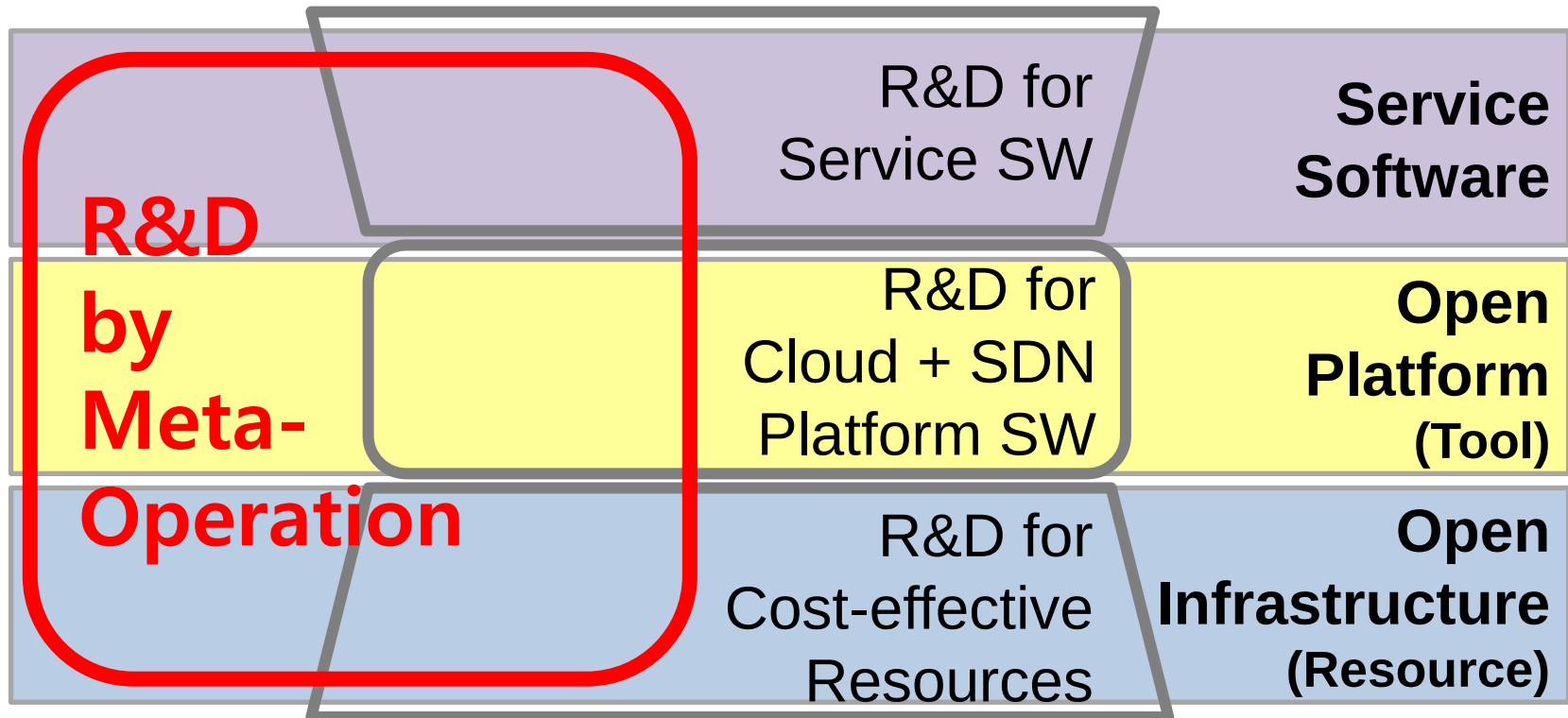


2. 경제적이고 신속한 실증을 위한 **DevOps** (Developers & Operators) **R&D 체계 구축**

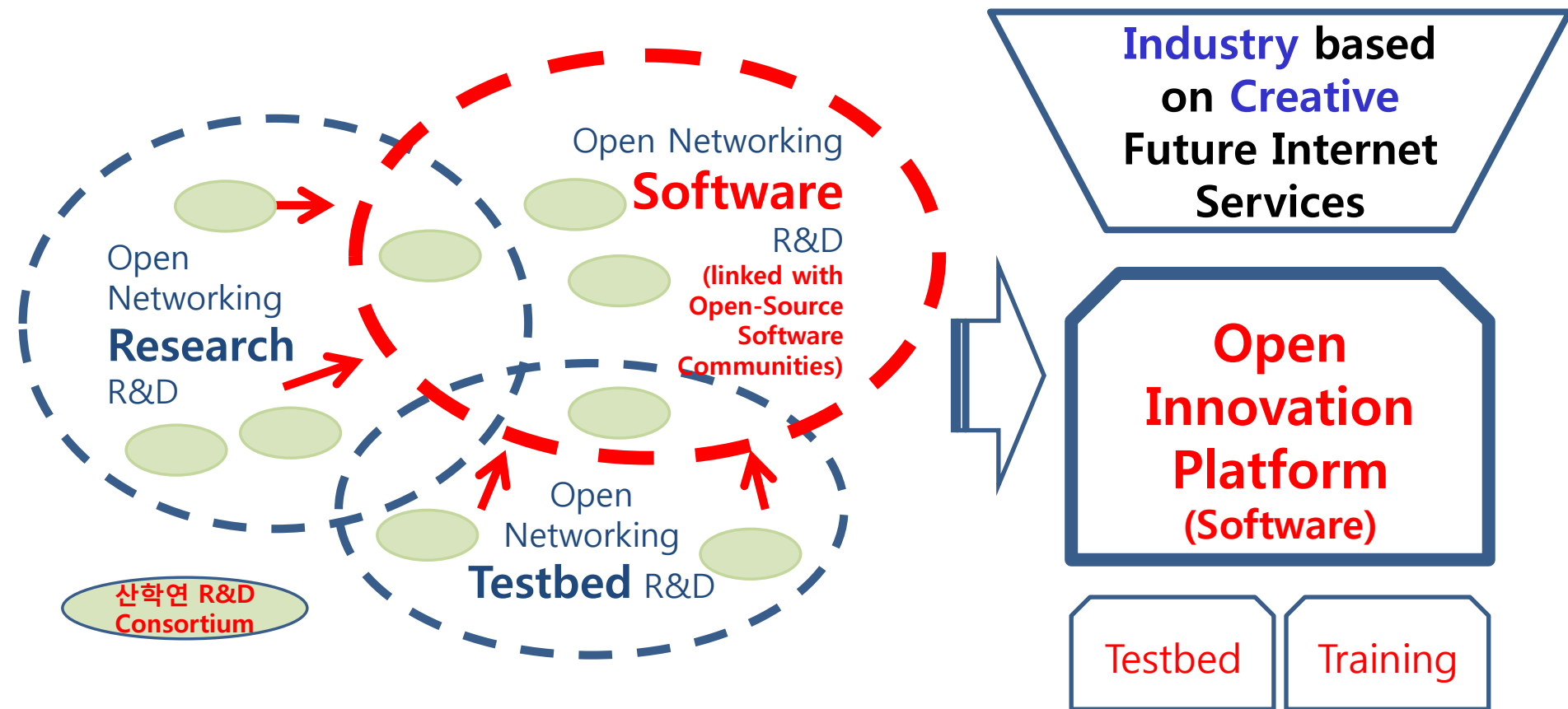


**F3 Racing Team =
R&D Consortium**

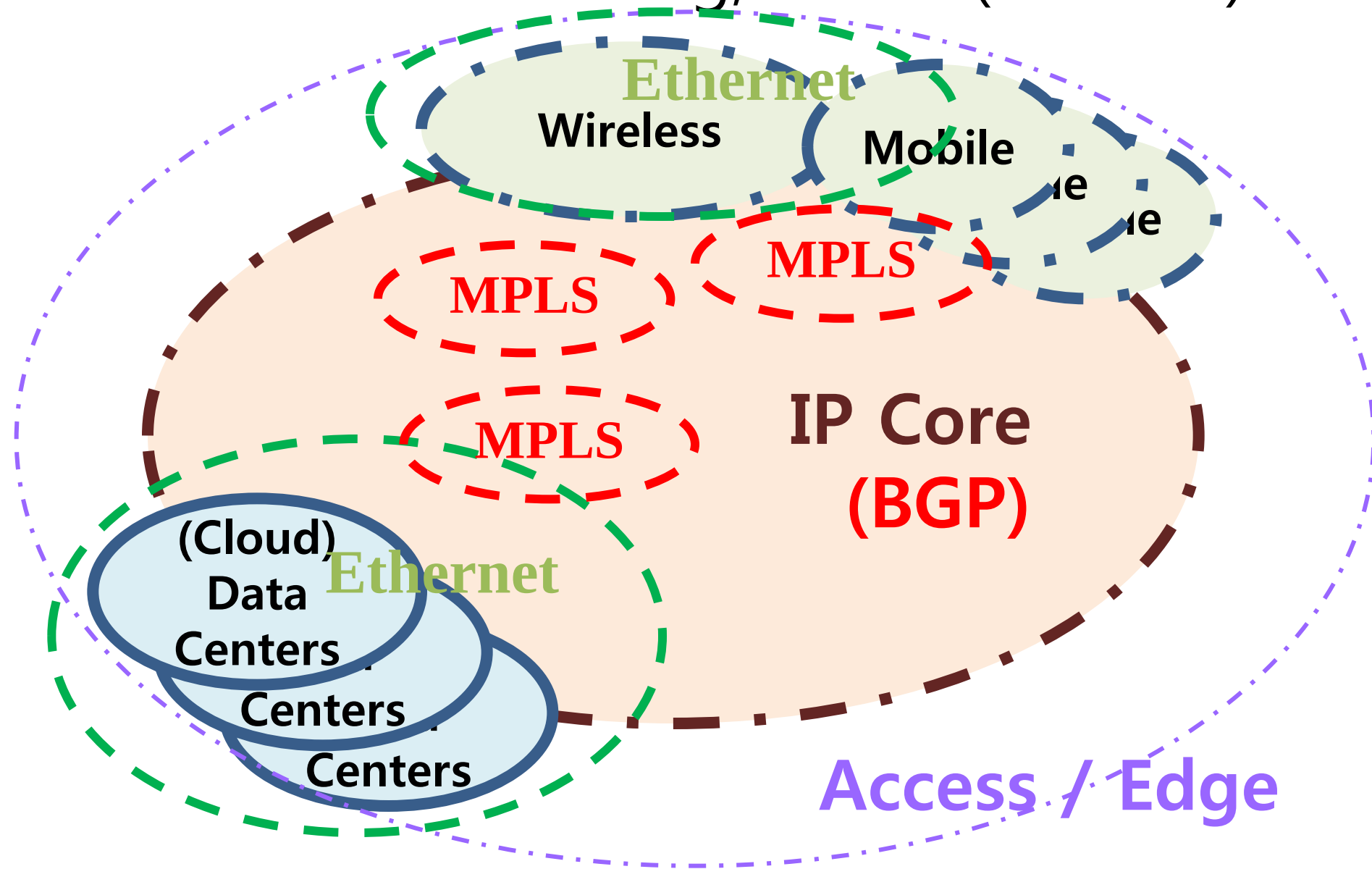
Community Coordinated R&D



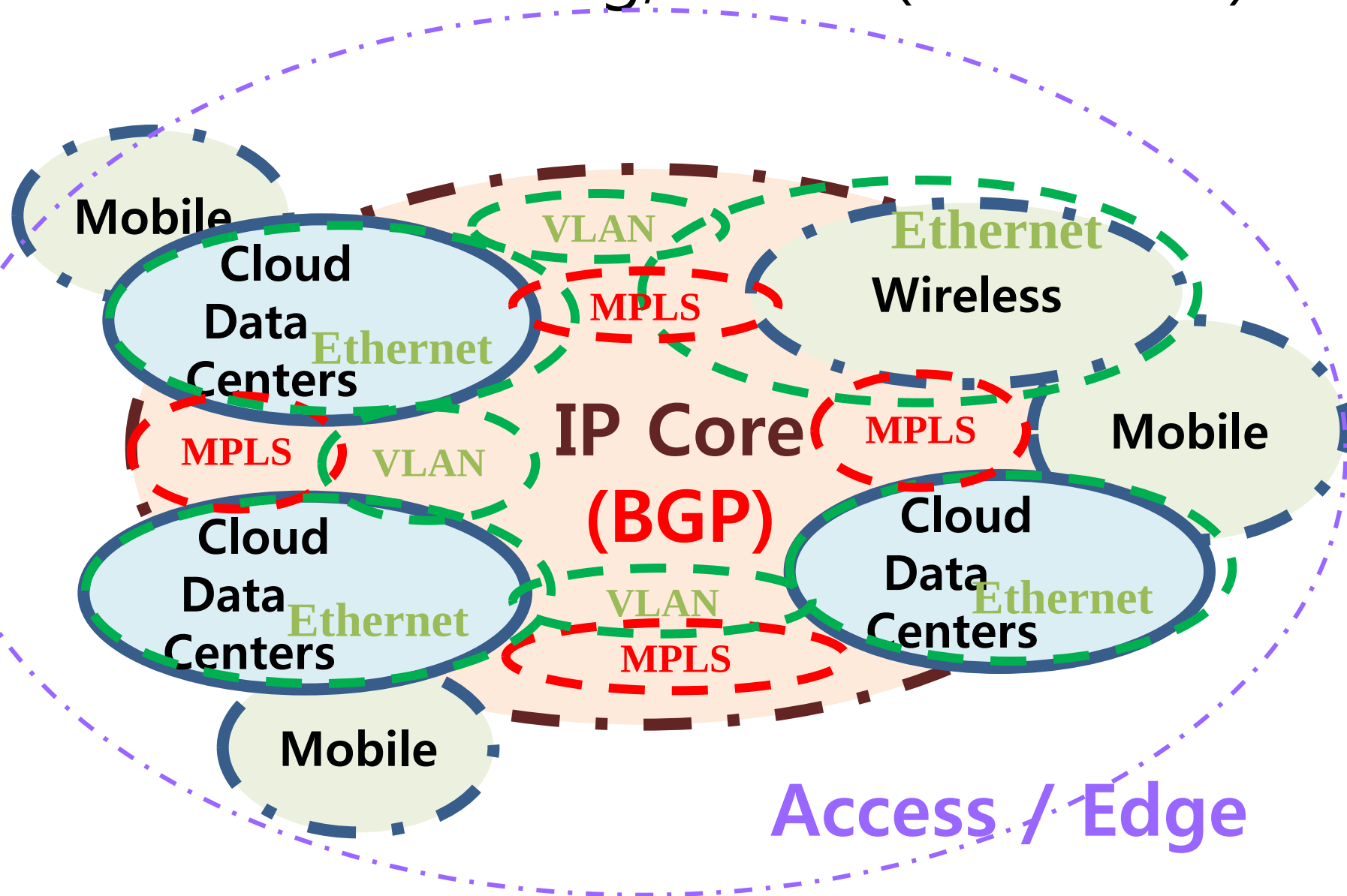
DevOps 지향 산학연 컨소시엄 육성을 통한 오픈 네트워킹 R&D 추진 전략



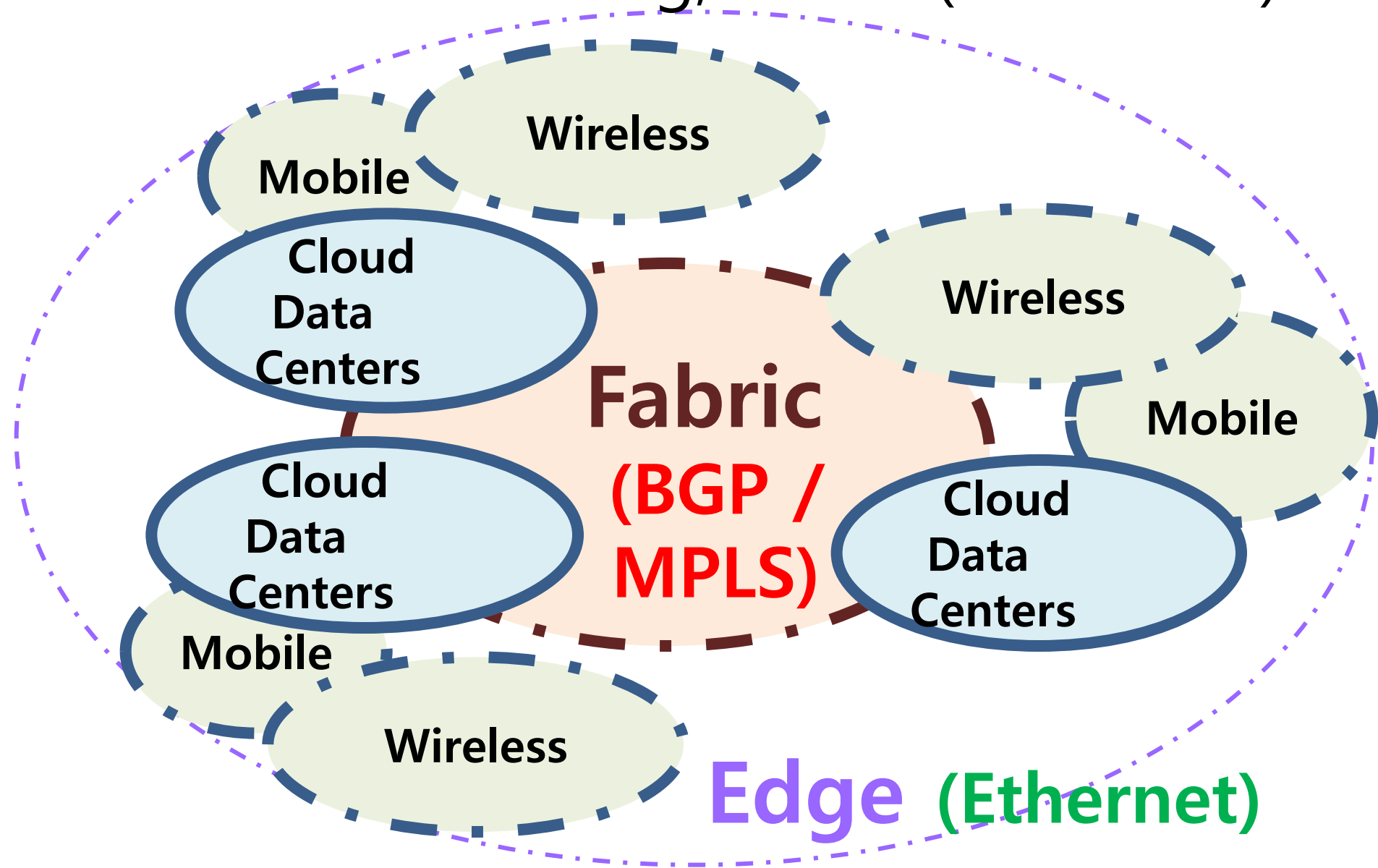
Inter-Connecting Networks: IP Routing, Ethernet Switching, MPLS (Current)



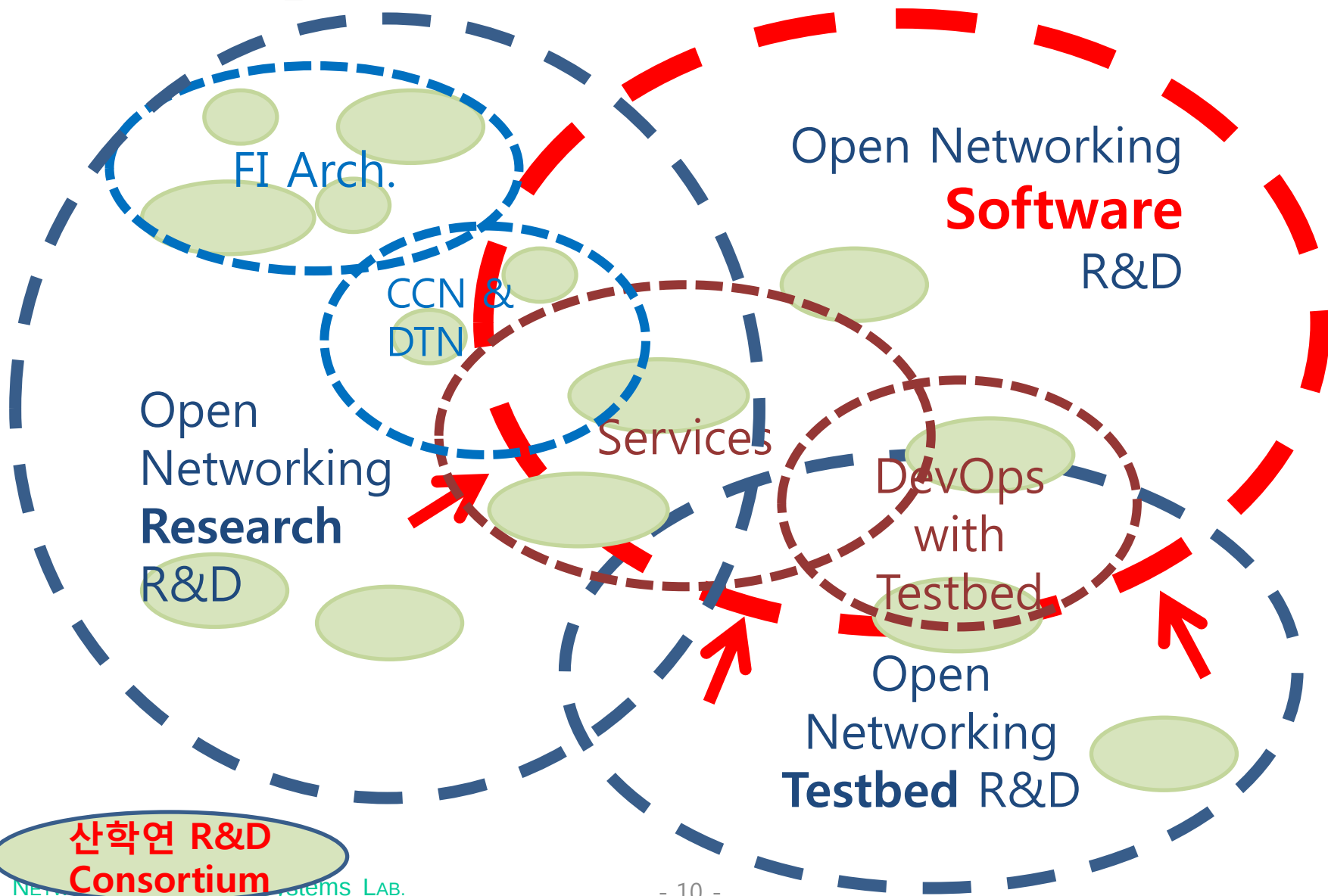
Inter-Connecting Networks: IP Routing, Ethernet Switching, MPLS (Future #1)



Inter-Connecting Networks: IP Routing, Ethernet Switching, MPLS (Future #2)



Open Innovation Platform R&D (Specialization R&D Items)





Cloud: 융합형

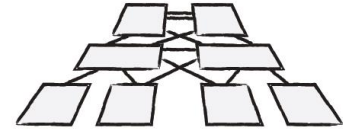
(컴퓨팅/네트워킹/스토리지)
자원에서 서비스 까지



Compute



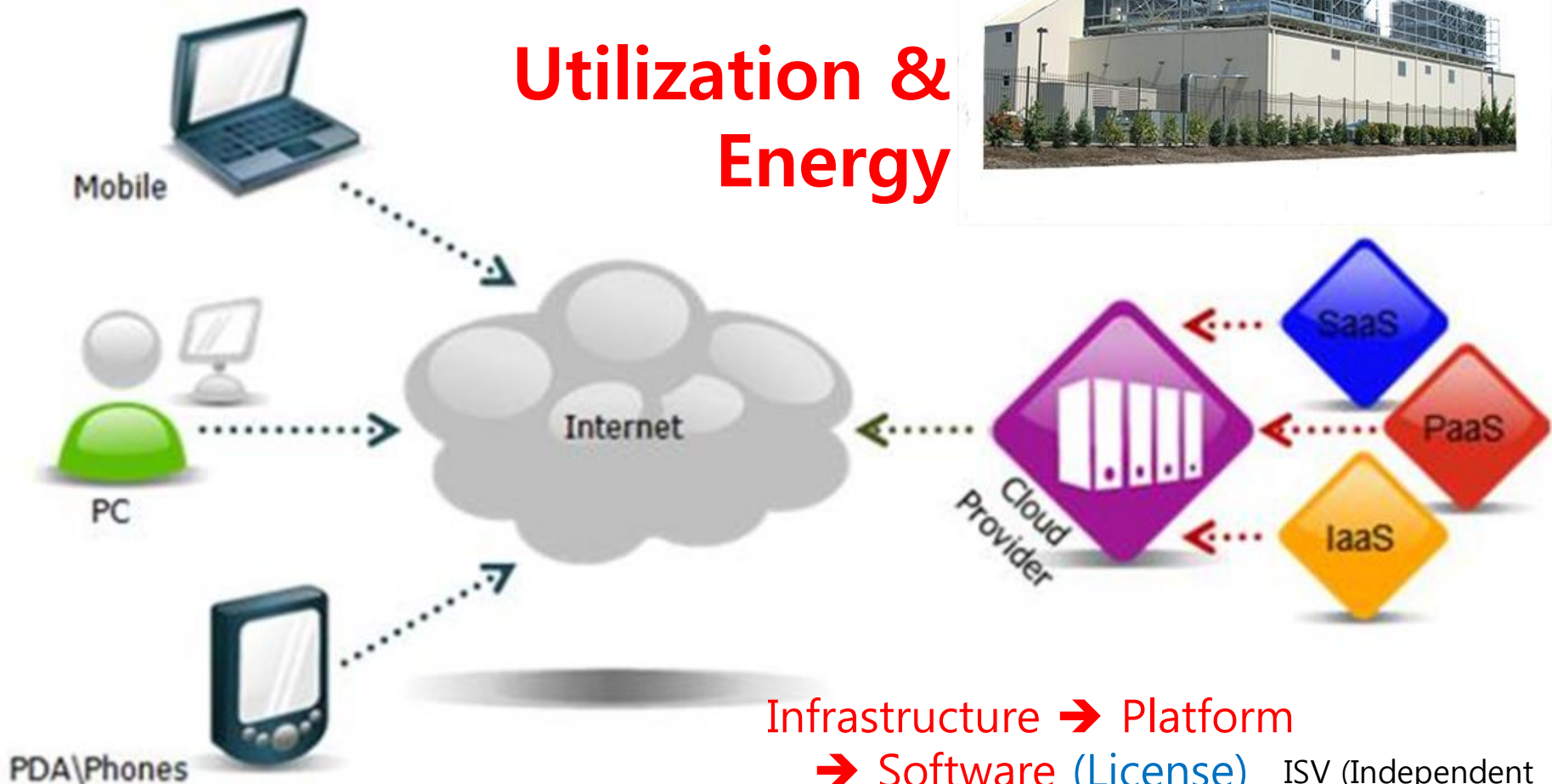
Storage



Network



Utilization &
Energy



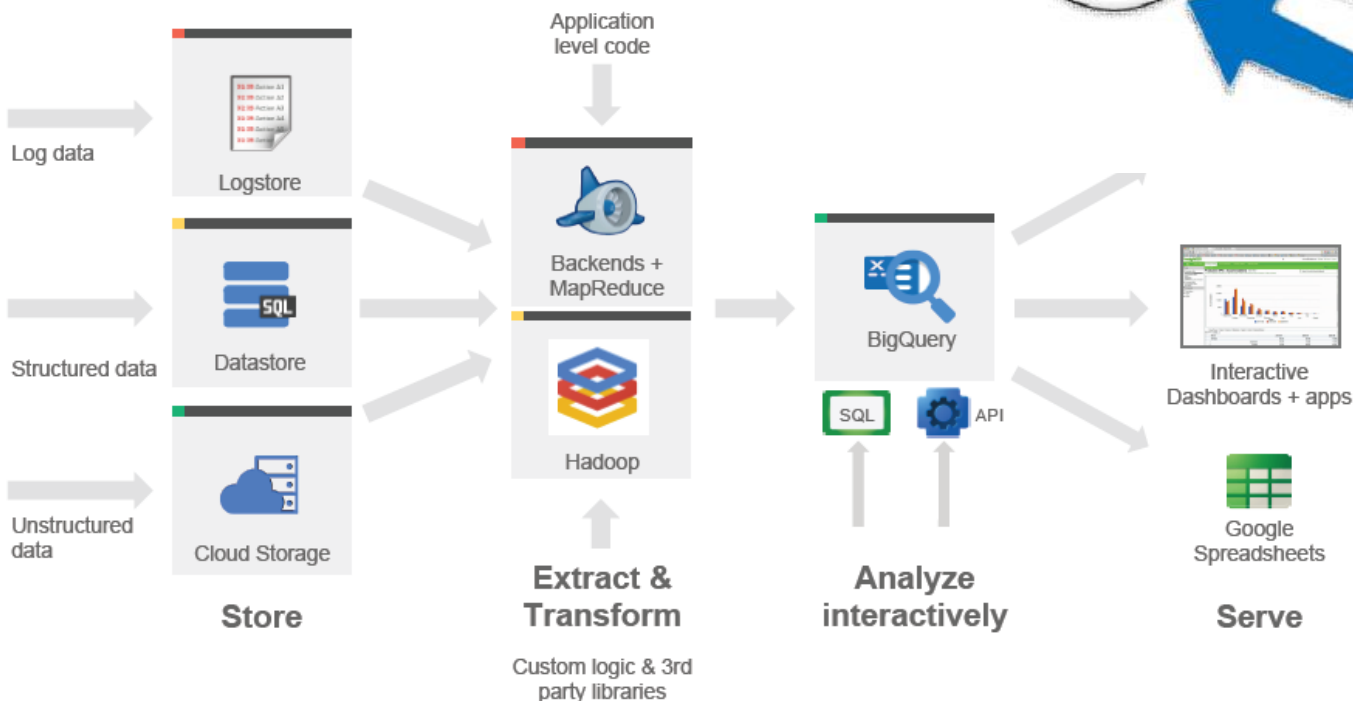
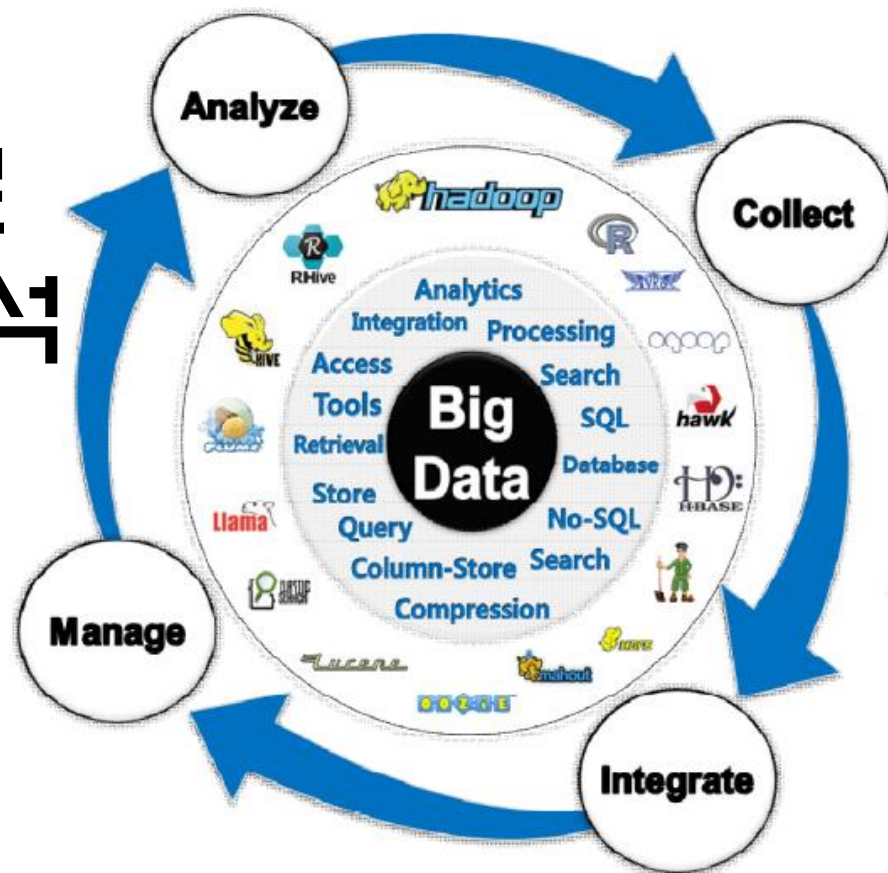
Infrastructure → Platform

→ Software (License)

ISV (Independent
Software Vendor)

Big Data: 흠어진 엄청난 양의 정보로 부터의 의미있는 해석

독점되거나 방치되었던
방대한 정보의 개방/활용을
통한 새로운 가치 창조





Gwangju Institute of
Science & Technology



Thank you!

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<http://nm.gist.ac.kr>