



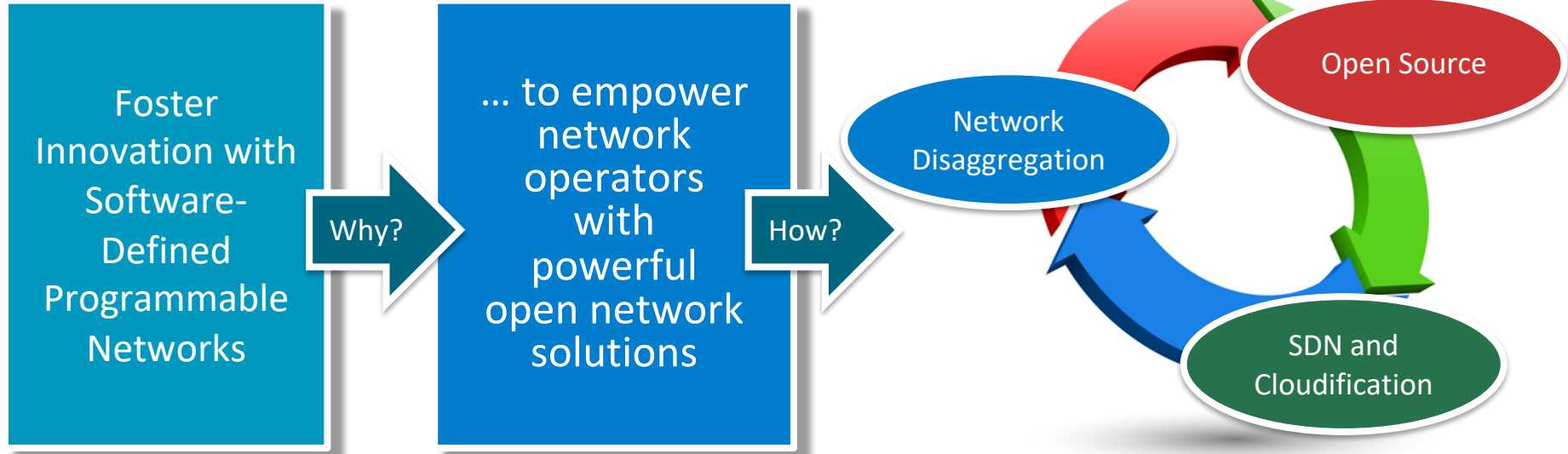
# New Open RAN Projects

RRAIL (RIC & r/xApps)  
SMaRT-5 (Sustainability)

Timon Sloane  
General Manager, ONF  
Big5G - May 2023

# ONF's Operator-Driven Mission

By building & open sourcing platforms leveraging ...



# Amazing Track Record ...

Open  
Broadband  
Revolution

5G &  
Open RAN Era

2011

2023+



SDN and OpenFlow began a revolution in networking.



ONF springs out of open lab at Stanford & Berkeley



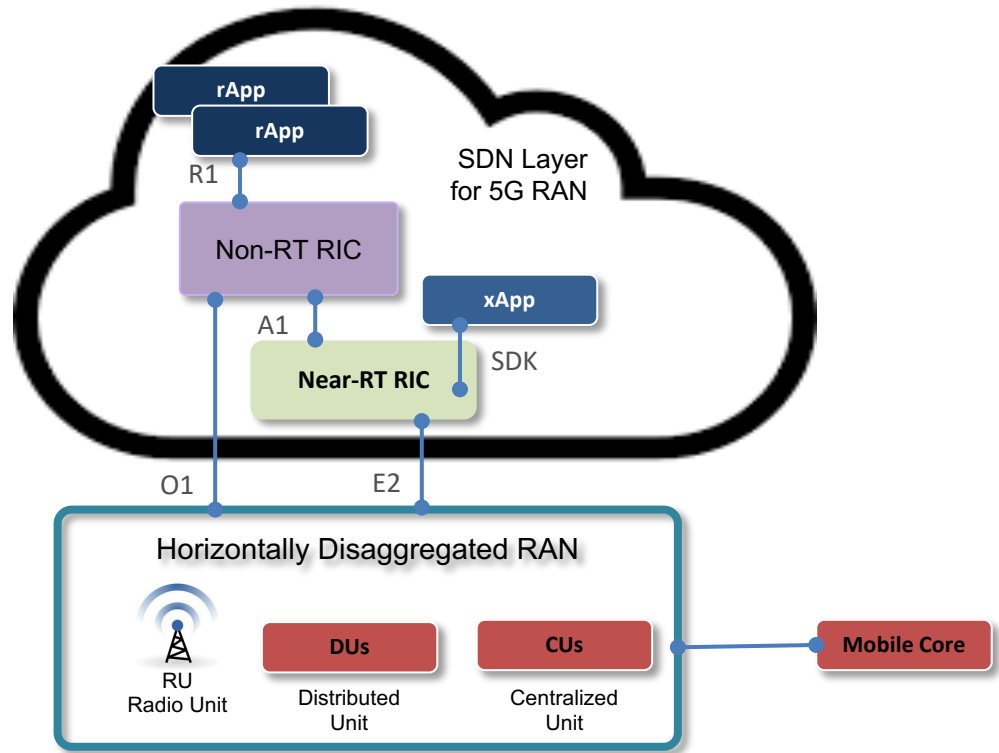
Platform era begins



What's  
Next?

# RIC – Center of Innovation for Open RAN

- RIC is the center of innovation for open RAN
- rApps and xApps are bringing programmability and advanced functionality to the RAN
- Multi-vendor interoperability is an important goal for the RIC architecture



# ONF's New Open RAN Projects for Advancing RIC and RAN Applications

## RRAIL

RAN RIC & App Integration Lab

Building a collaborative open environment to demonstrate apps on different RIC/RAN platforms

Advancing r/xApp portability and multi-vendor interworking, using both:

- Vendor stacks
- Open source stack (for research and experimentation)

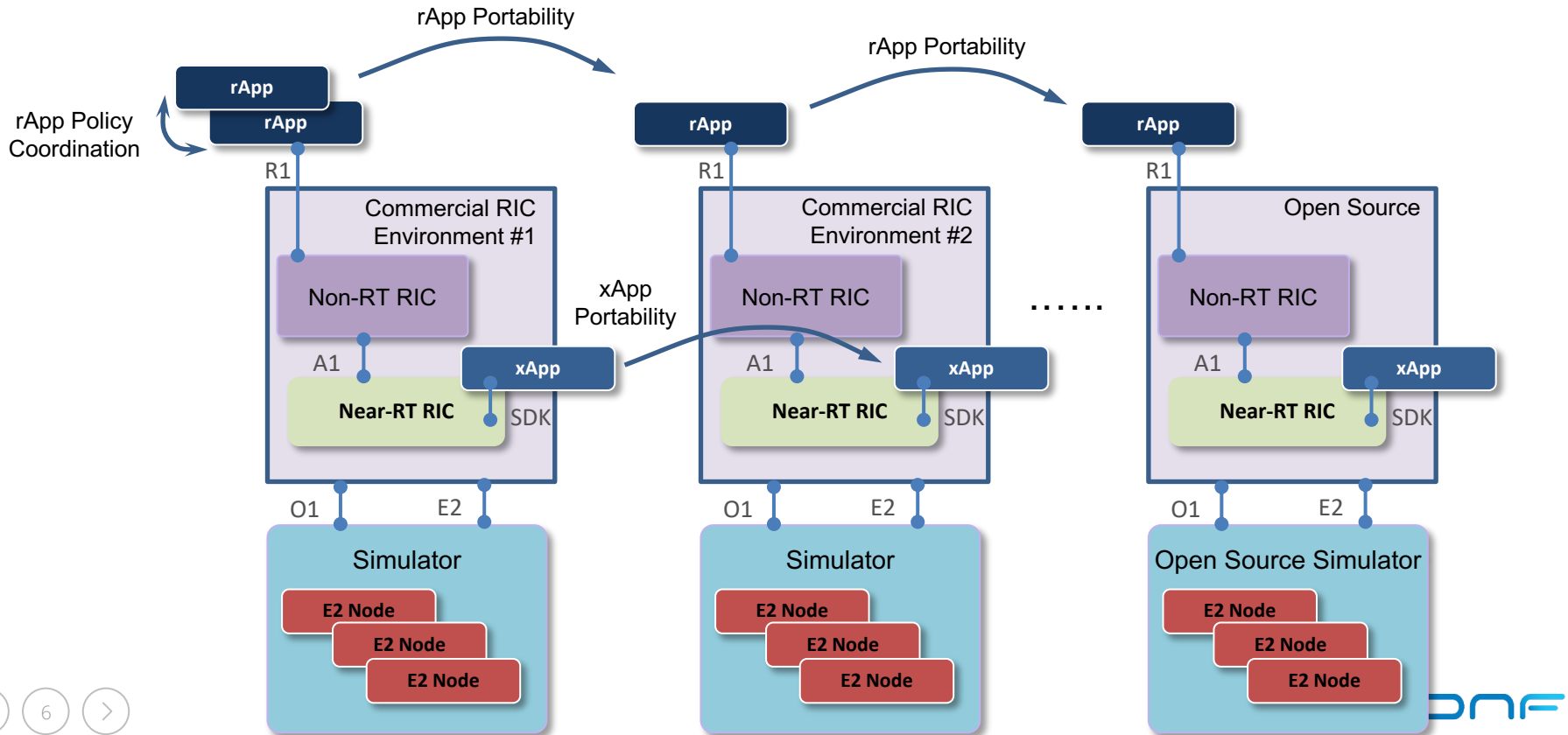
## SMaRT-5G

Sustainable Mobile & RAN Tech

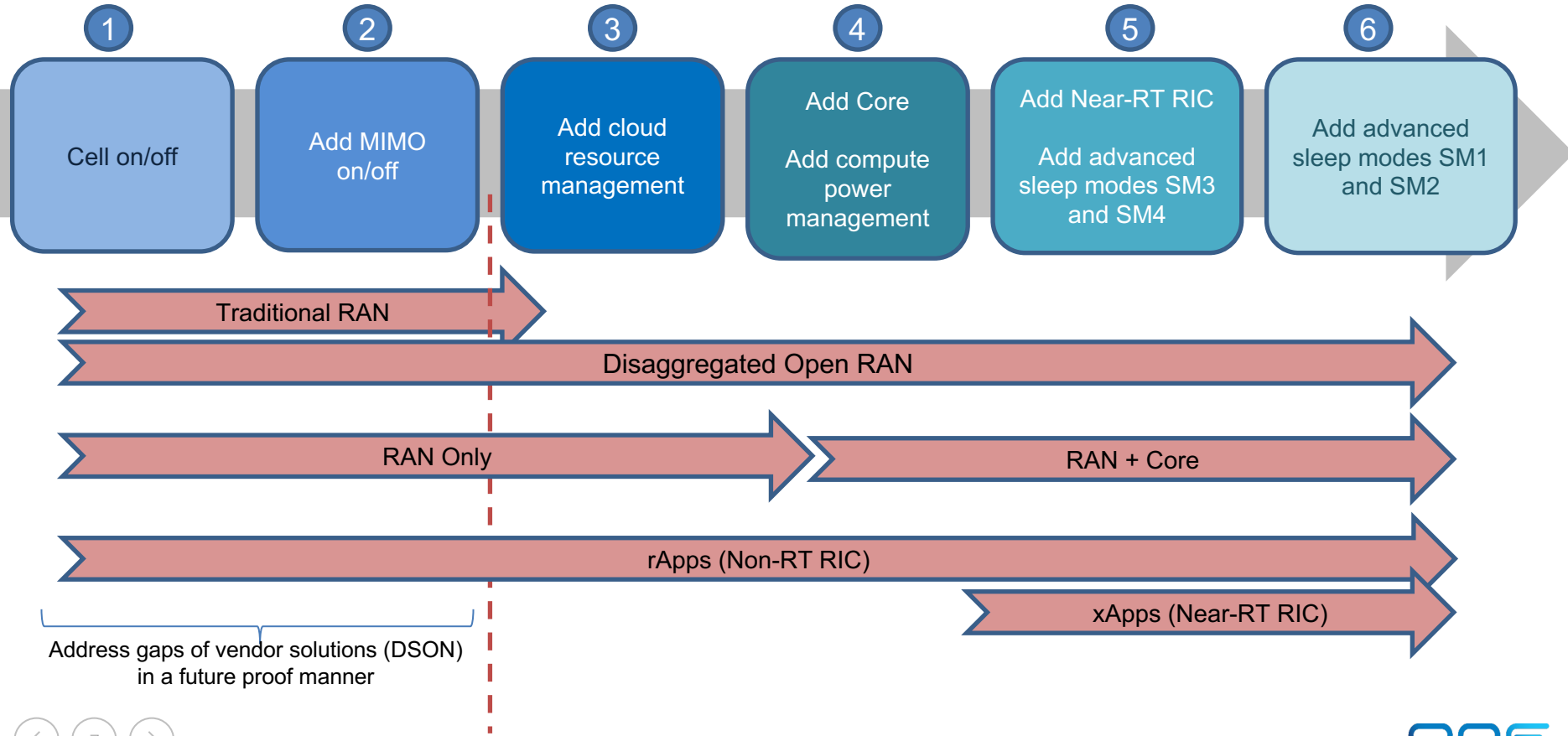
Sustainability use case PoCs

- The SMaRT-5G use case will leverage RRAIL
- rApps coming from both commercial vendors and from ONF as open source

# RRAIL: r/xApp Portability & Interoperability



# SMaRT 5G - ONF 5G Energy Savings Use Case



# Where to Learn More



Download the whitepaper and  
Register to track our progress & learn more:  
[opennetworking.org/sustainable-5g-contact-us/](https://opennetworking.org/sustainable-5g-contact-us/)







Thank You

Timon Sloane  
General Manager, ONF

[timon@opennetworking.org](mailto:timon@opennetworking.org)