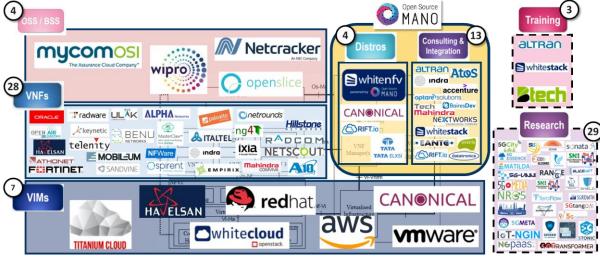


### ETSI OSM is a LARGE AND DIVERSE with 152 members





... with a significant number of commercial offers related to OSM ("OSM Ecosystem")



# Strong relationship with research projects



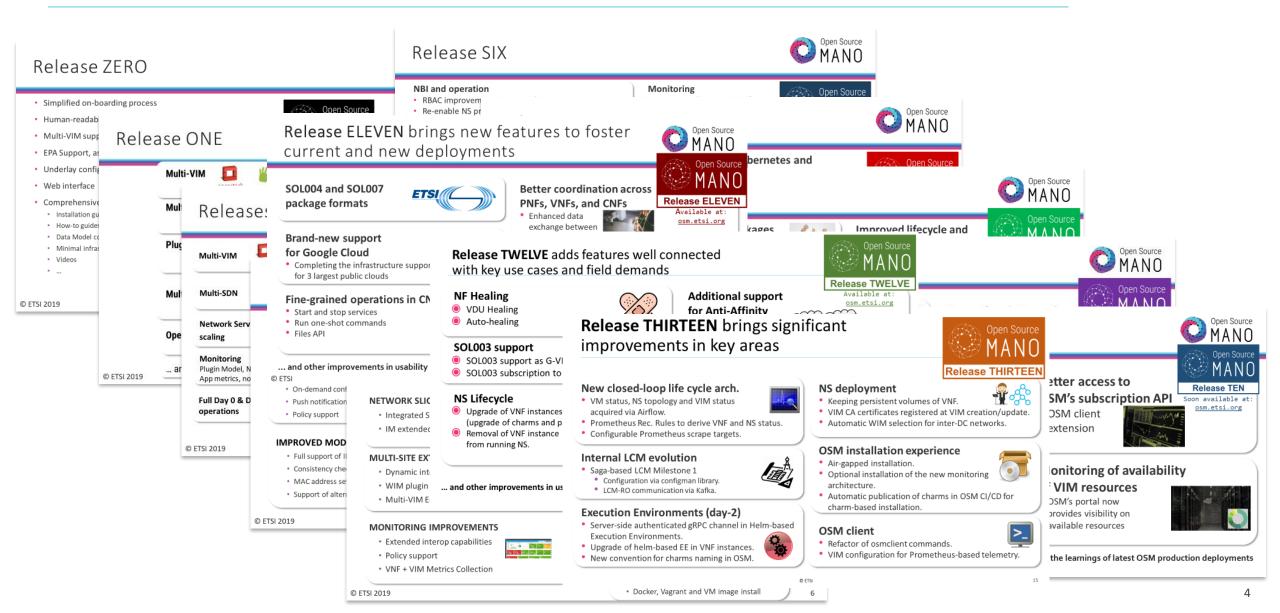




https://osm.etsi.org/wikipub/index.php/Research

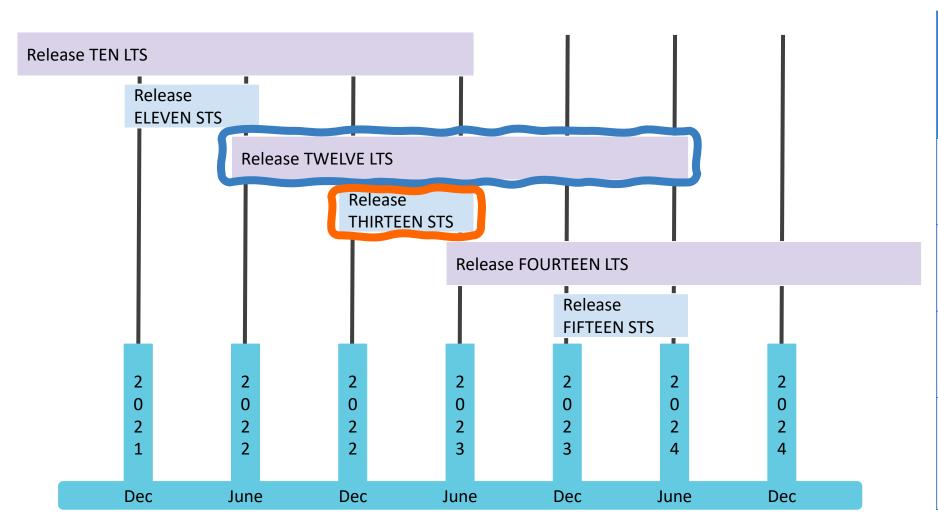
# Open Source MANO

### OSM has a mature set of features following fourteen releases...



# Cadence of OSM releases

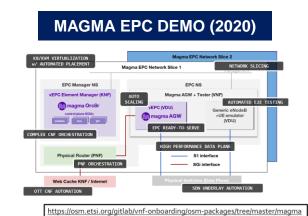




LTS Releases (Long Term Support)	STS Releases (Short Term Support)
24 months community support	6 months community support
Oriented to production	Oriented to innovation & development
Focus on stability	Focus on innovation & agility
Community grants upgrade between LTS's	Upgrade on a best effort basis

# Programme of Hackfests, Webinars, and Ecosystem days

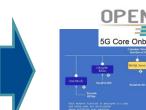












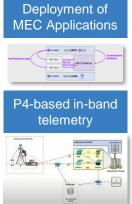


**OSM-MR#11 Hackfest** 



#### **OSM Ecosystem Day 2022**



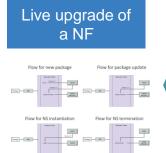




#### **Release TWELVE Webinar**

Healing & scaling in massive sports events







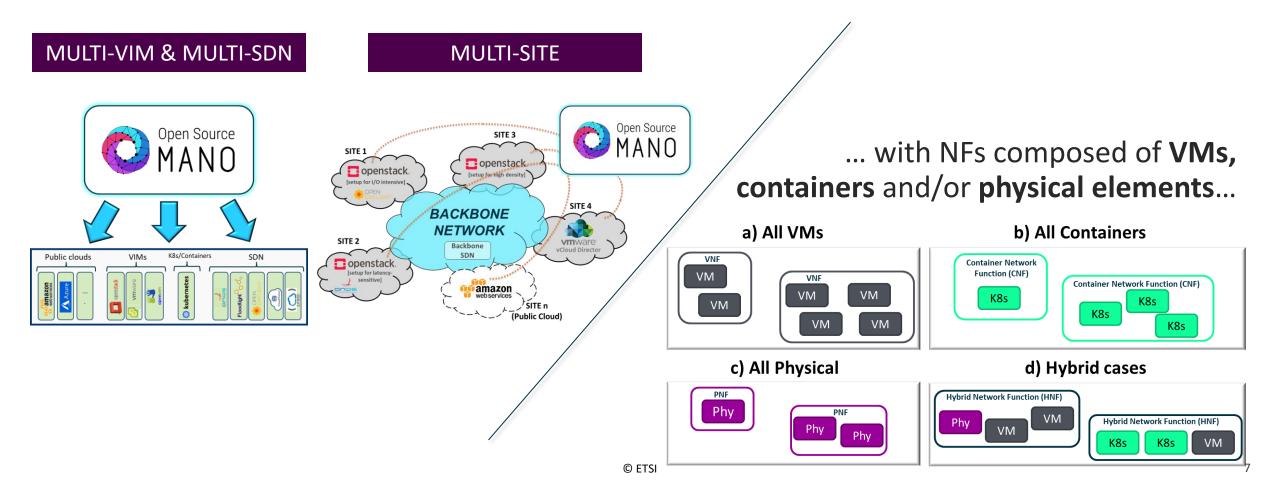
### Resolution of Multi-Cloud inter-NF relations Deployments

**Release ELEVEN Webinar** 

### OSM orchestrates ...



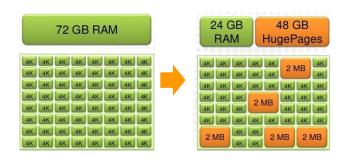
... on different types of infrastructure and across different locations...



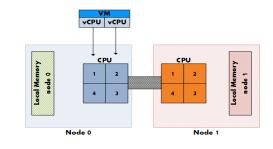


# ... and ready for network-specific workloads whenever needed

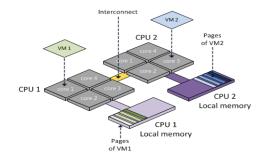
# **Huge Pages**

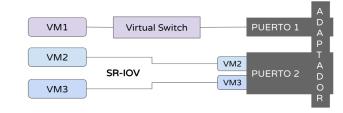


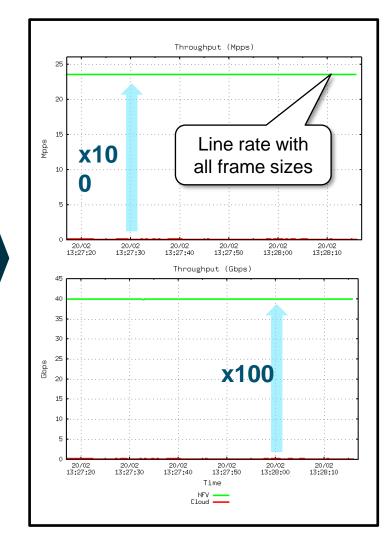
#### **NUMA Topology Awareness**



#### CPU Pinning Data Plane assignment

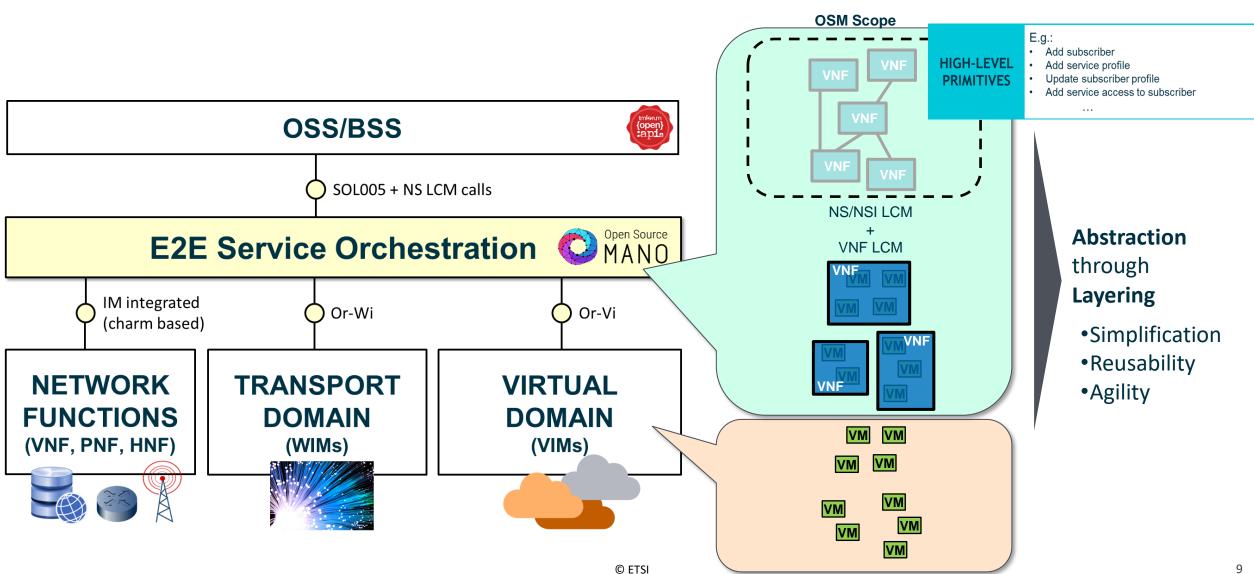






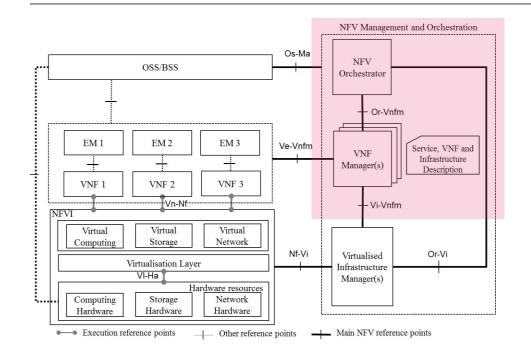
# Scope of OSM

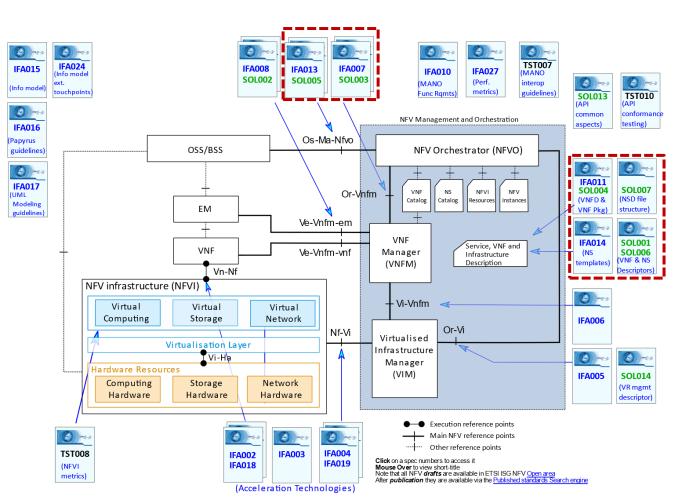




# OSM in ETSI NFV architecture

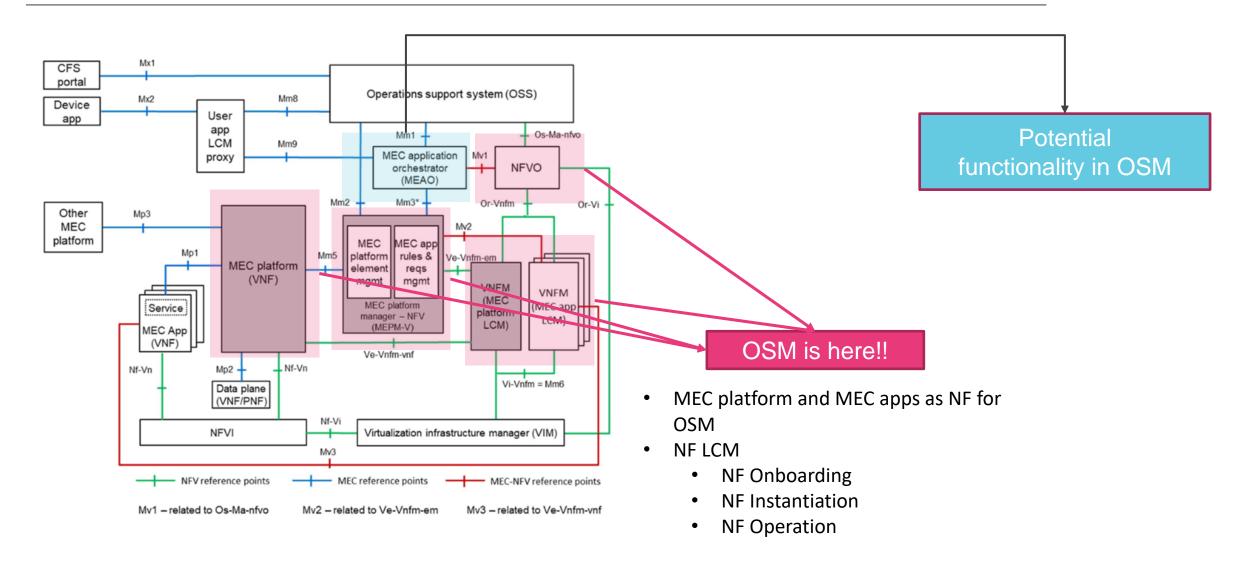






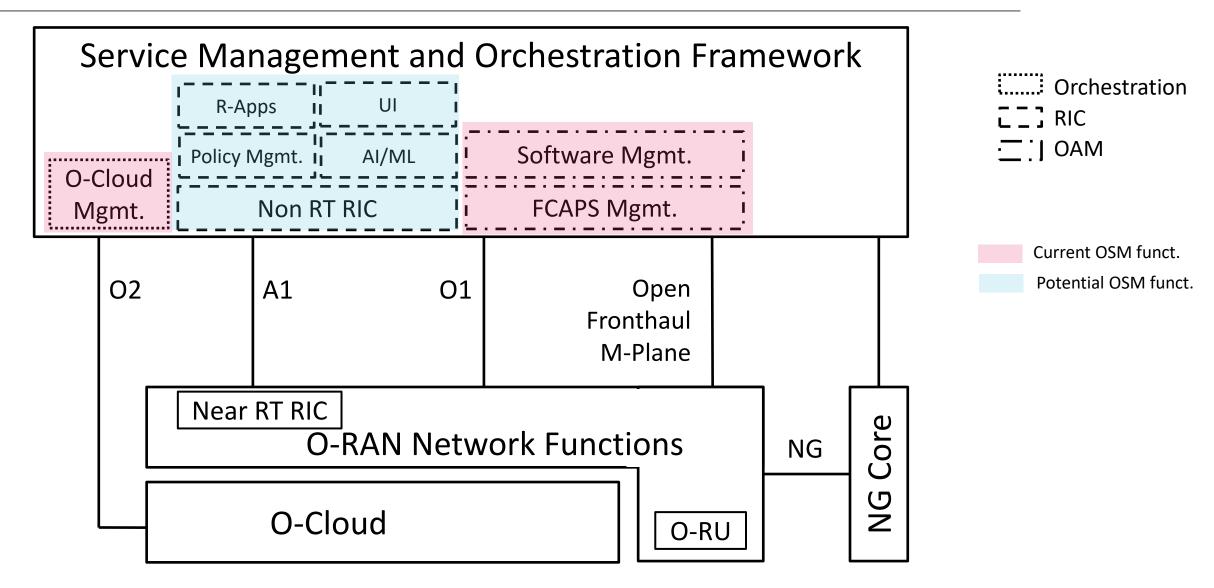
## Relation to ETSI MEC architecture





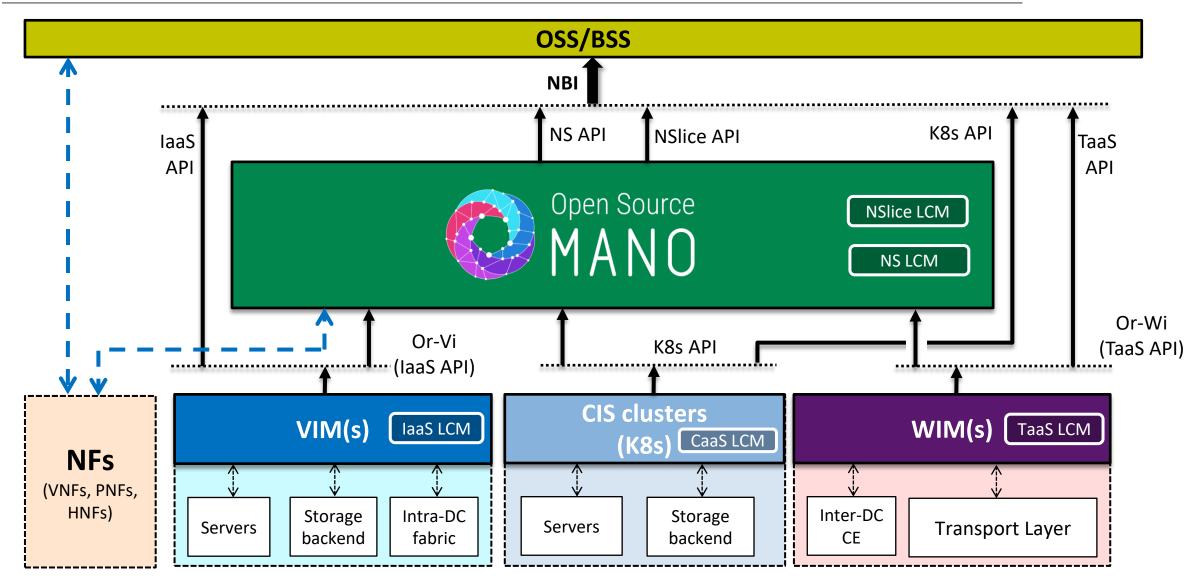
## Relation to O-RAN architecture





# Interoperability architecture is key

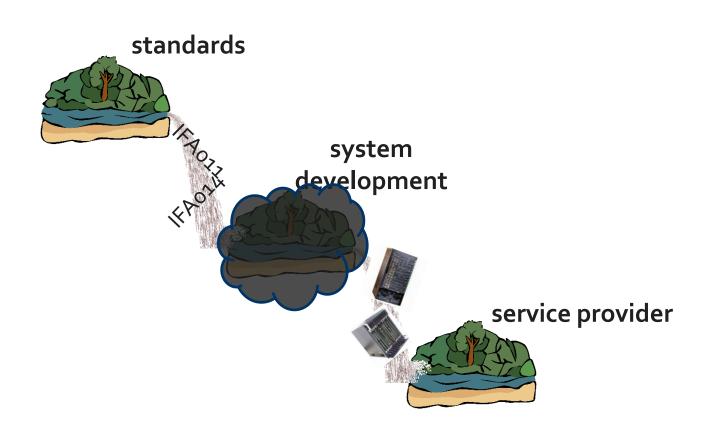


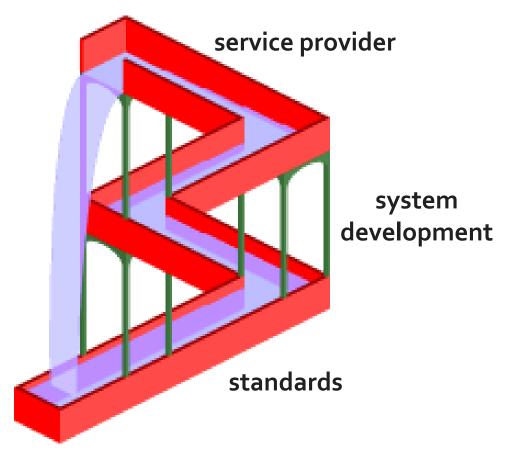


# Learning by doing

## (OSM EUAG Slide from 2017)

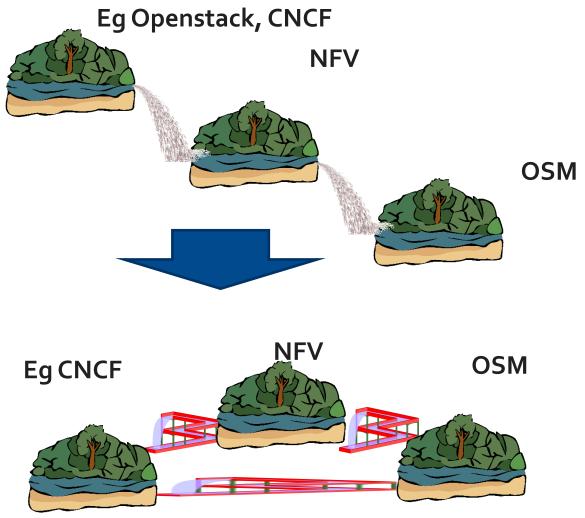






# **Evolving NFV-OSM Cooperation**





- But ....
  - OSM does not currently implement every feature specified in NFV
  - OSM has already implemented some features not yet addressed by NFV
- And ...
  - CNCF projects do not always recognise or prioritise NFV features
  - Some CNCF projects are commencing without NFV input





# Thank You!