

RARE

Router for Academia Research & Education

WHY are we doing
all of this ?

Problems statement

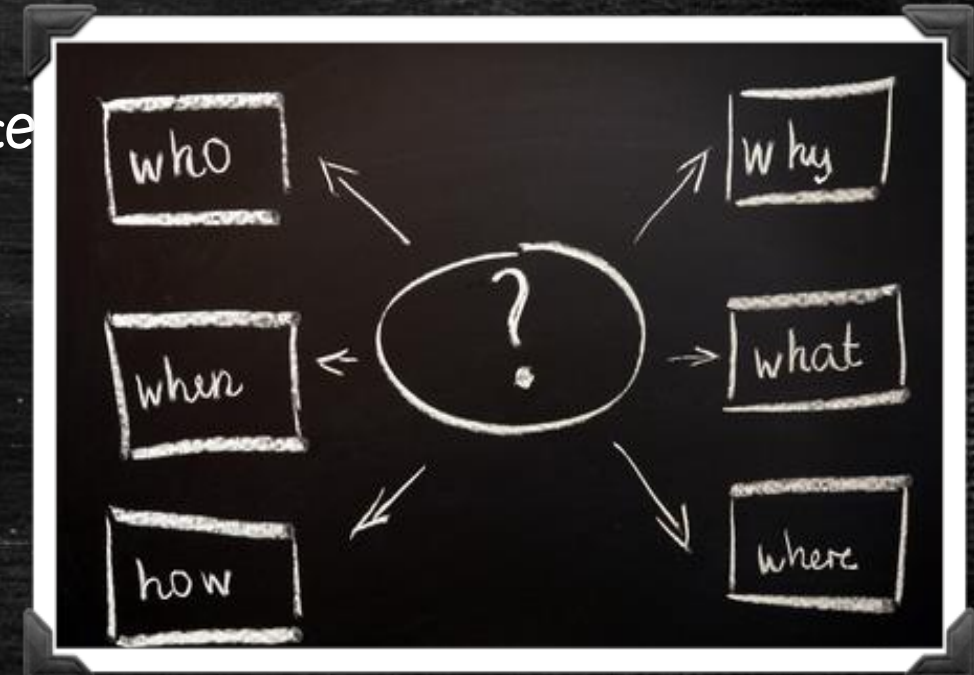
Needs of network aware applications

Traditional procurement life cycle workload related to network equipment acquisition

Reduce vendor lock-in

Ability to implement ADHOC features

Reduce digital divide affordable network solution without functionality trade off.



RARE mission statement

- One unified & Opensource routing platform

- Multiple solutions (=dataplanes)
- That fit R&E use case

**Programmable
At TREMENDOUS line rate !**



RARE as a base Towards a DPP umbrella project ?

- The group has acquired tremendous knowledge WRT DPP
- RARE P4 pipeline development approach
 - Enable parallel development
- Appliance based on the same DPP template ?
- Your thoughts ?



RARE as umbrella project: example

- 1.6Tbps IN 1.6 Tbps OUT TRAFFIC MITIGATION box



RARE as umbrella project ? Let's discuss !

Questions ?
Opinions ?

Want to collaborate ? Contact US !

[<rare@list.geant.org>](mailto:rare@list.geant.org)