

## **Propositions**

- □ Architecture: distributed Content Delivery Network (dCDN) leverage on in-network caching and dTracker
- Data delivery: application-layer Information Centric Network & Dynamic Adaptive Streaming over HTTP
- Content allocation: *k*-Product Capacitated Facility Location Problem solved by genetic algorithm and MapReduce
- Content placement: cooperative caching, multi-policy caching, joint replication and caching strategy, etc.





## **Evaluations**

- Trace: 7 days traffic observed by Orange from 13 regions in France
- Performance Metrics: ISP operation cost, servers' workload, ratio of postponed requests





Workload on CDN server



## Workload on dServers



Contact: vipeer-wp4@mlistes.telecom-bretagne.eu