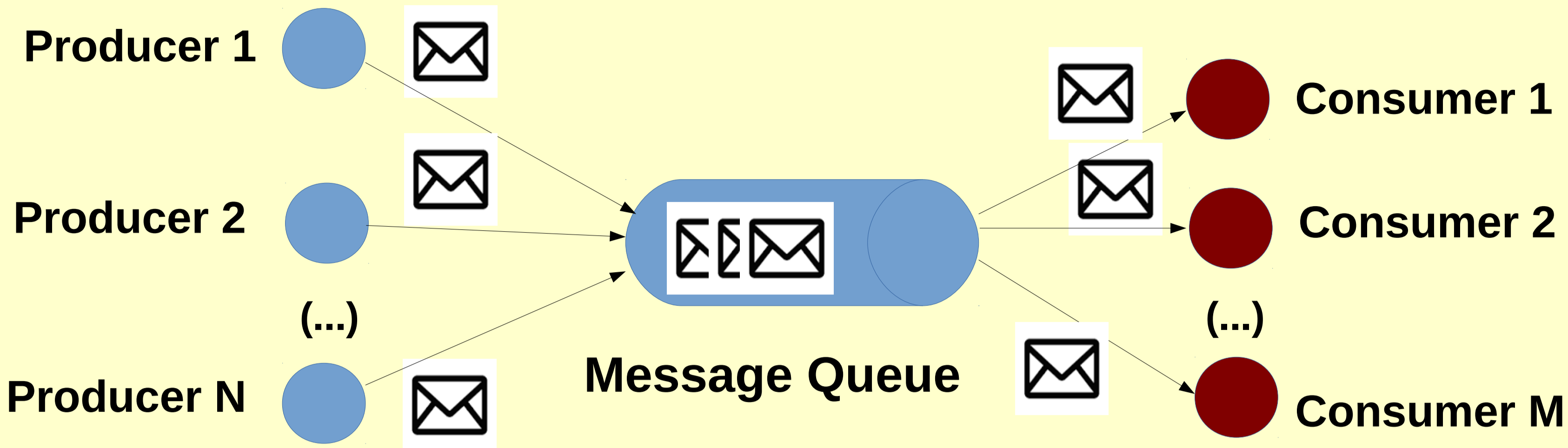


MQ Connection Scheme



Advantages

- Scalability
- Performance
- Resilience
- **Connect heterogeneous environments**
- Redundancy
- Delivery Guarantee

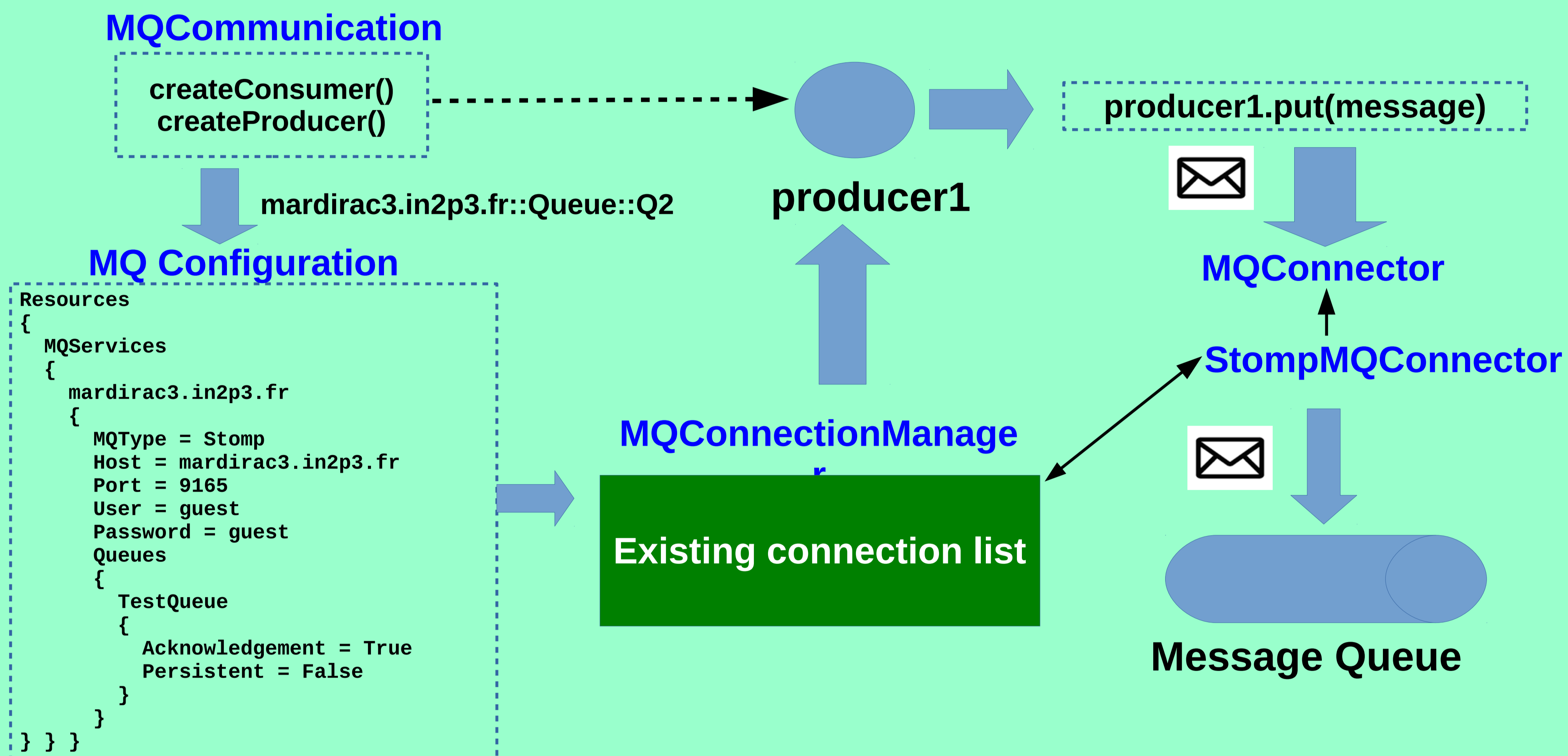
Message Queues in DIRAC



<http://diracgrid.org/>

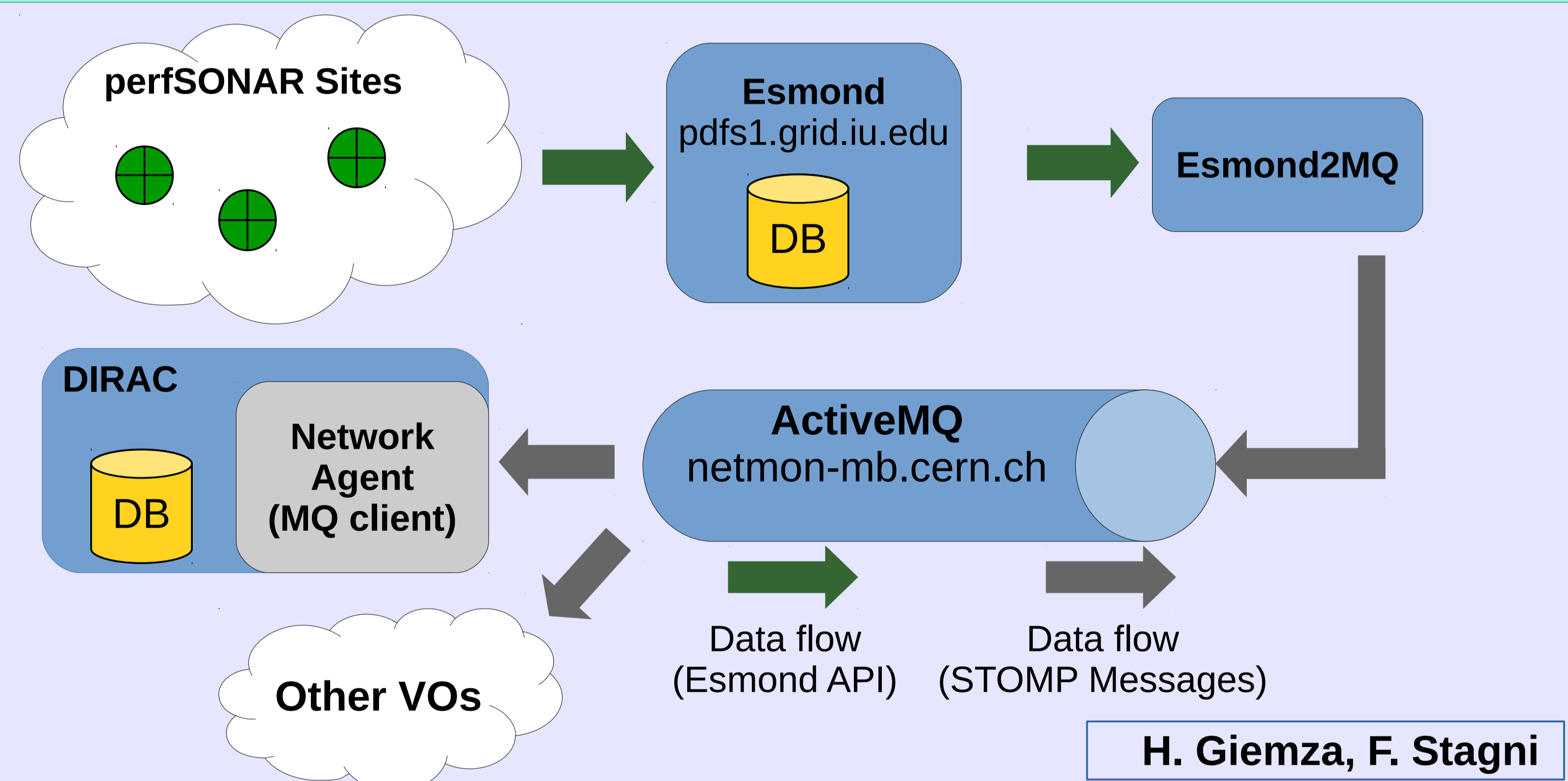


- Generic MQ interface since **DIRAC v6r17**
- **STOMP** protocol handler implementation with **SSL** and **topics** support
- All MQs configuration loaded from the DIRAC Configuration Service



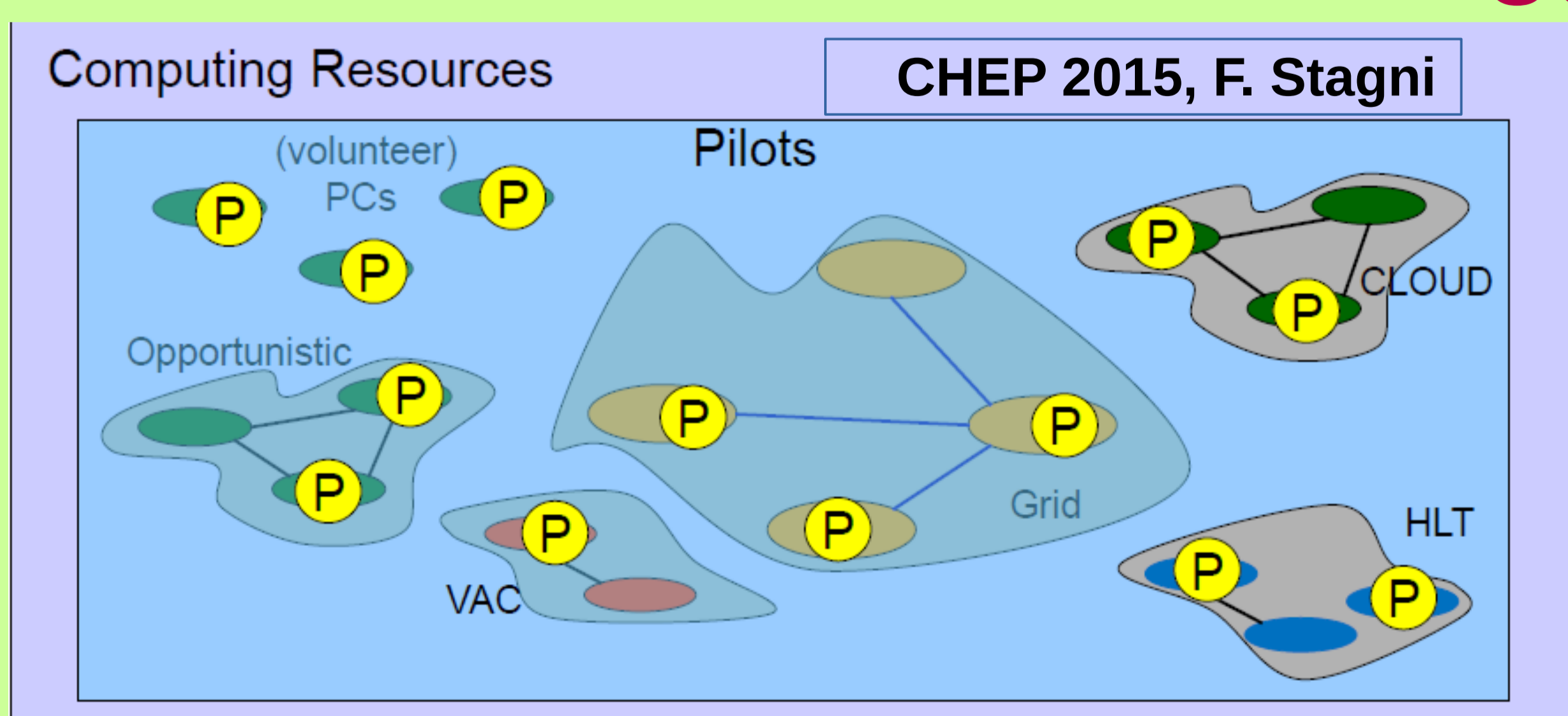
Message Queues Use Cases

- 1) Component of **perfSONAR-DIRAC** bridge (**in production**)
- 2) Failover mechanism for Elasticsearch in DIRAC monitoring services (**in production**)
- 3) Part of **Pilot Logging** architecture (**in progress**)
- 4) MQs for DIRAC services logging system (**under tests**)



H. Giemza, F. Stagni

Pilot Logging System



Final goal:

Automatized, general and scalable logging system for all pilots

