

# FIBRE

## Future Internet Brazilian Environment for Experimentation

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MINISTÉRIO DA  
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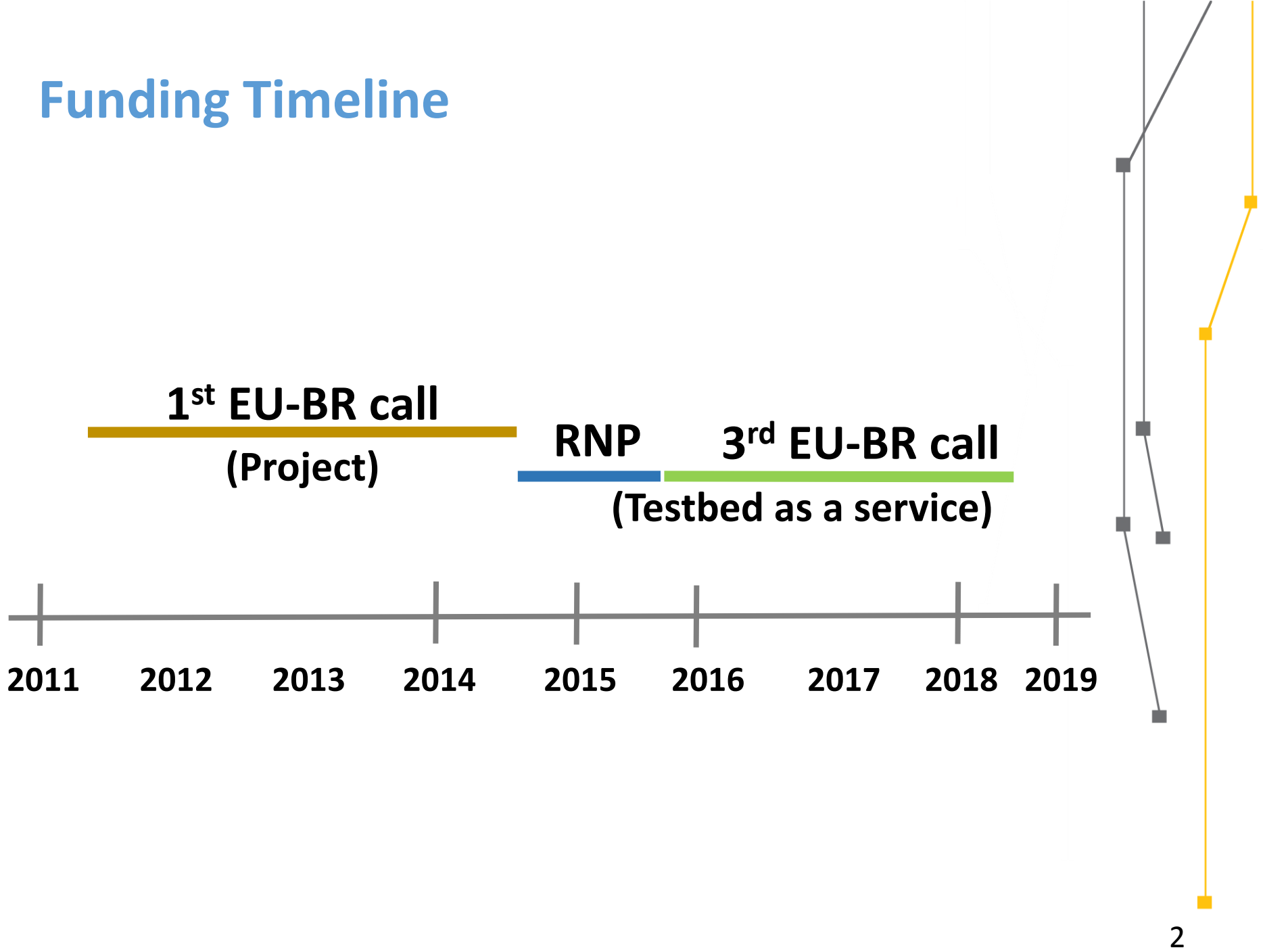
MINISTÉRIO DA  
SAÚDE

MINISTÉRIO DA  
EDUCAÇÃO




MINISTÉRIO DA  
CIÊNCIA, TECNOLOGIA,  
INOVAÇÕES E COMUNICAÇÕES



# Funding Timeline

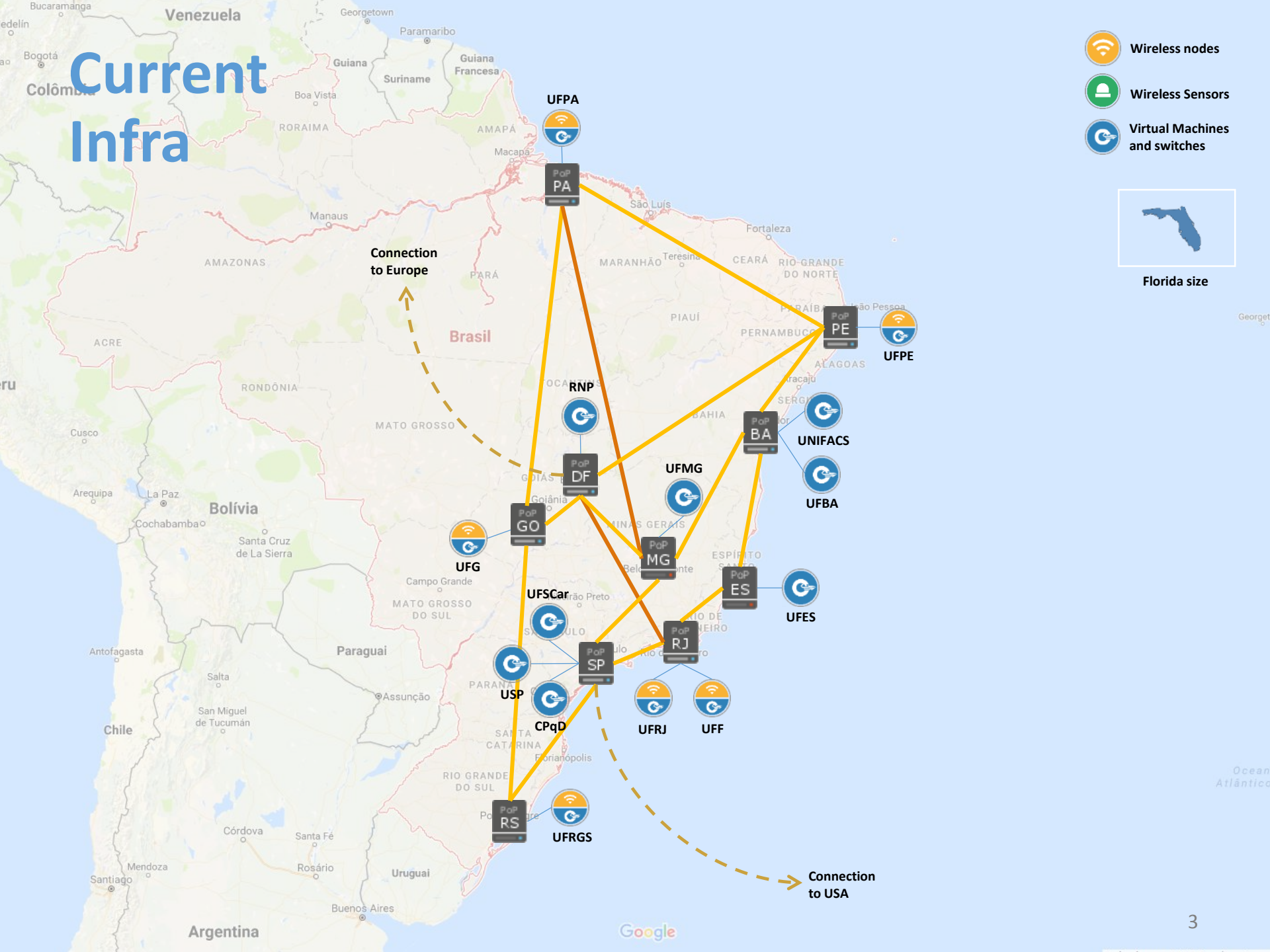


# Current Infra

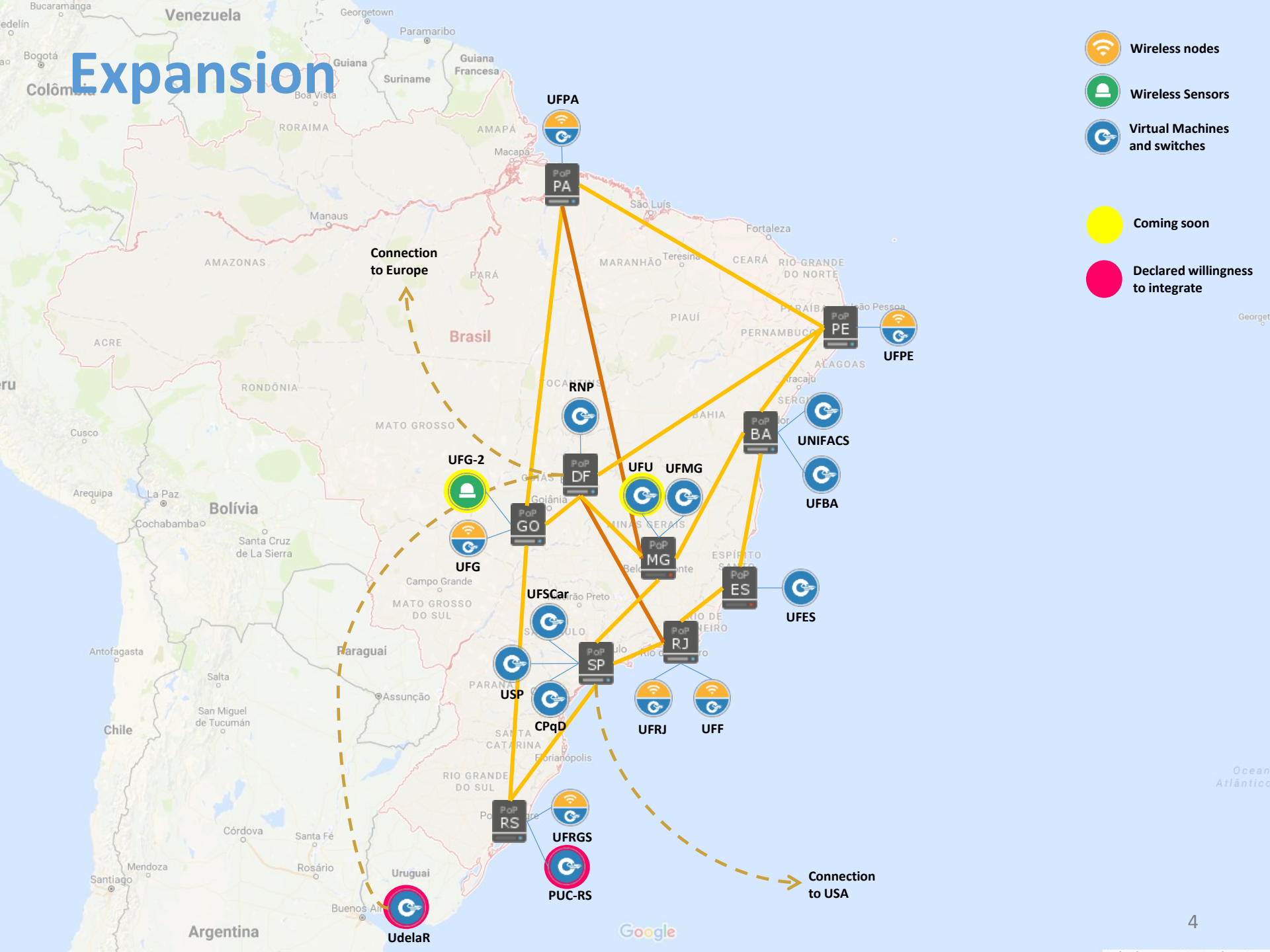
-  Wireless nodes
-  Wireless Sensors
-  Virtual Machines and switches



Florida size



# Expansion



- Wireless nodes
- Wireless Sensors
- Virtual Machines and switches

- Coming soon
- Declared willingness to integrate

# The special facilities/features/resources to be supported

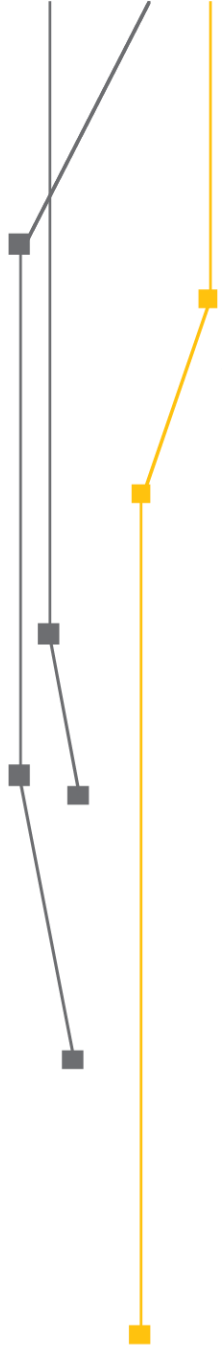
- **Resources/facilities**

- Wireless Sensors
- SDRs
- Rack of NetFPGA servers
- Compute nodes (CloudLab-like)

View:  
BYOR model

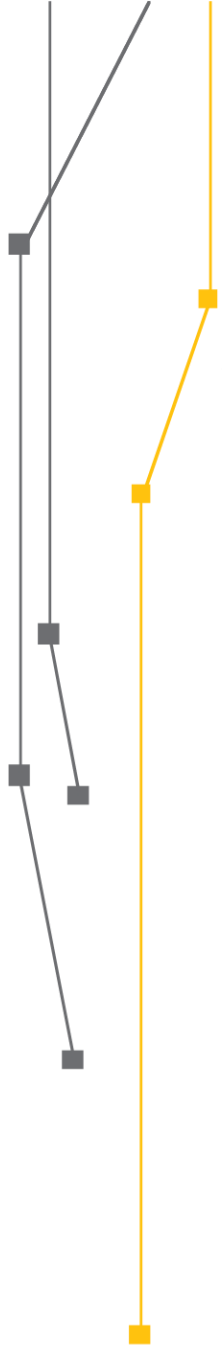
- **Features**

- Virtual Organization IdP for Brazilian testbeds
- “Classroom-as-a-service”



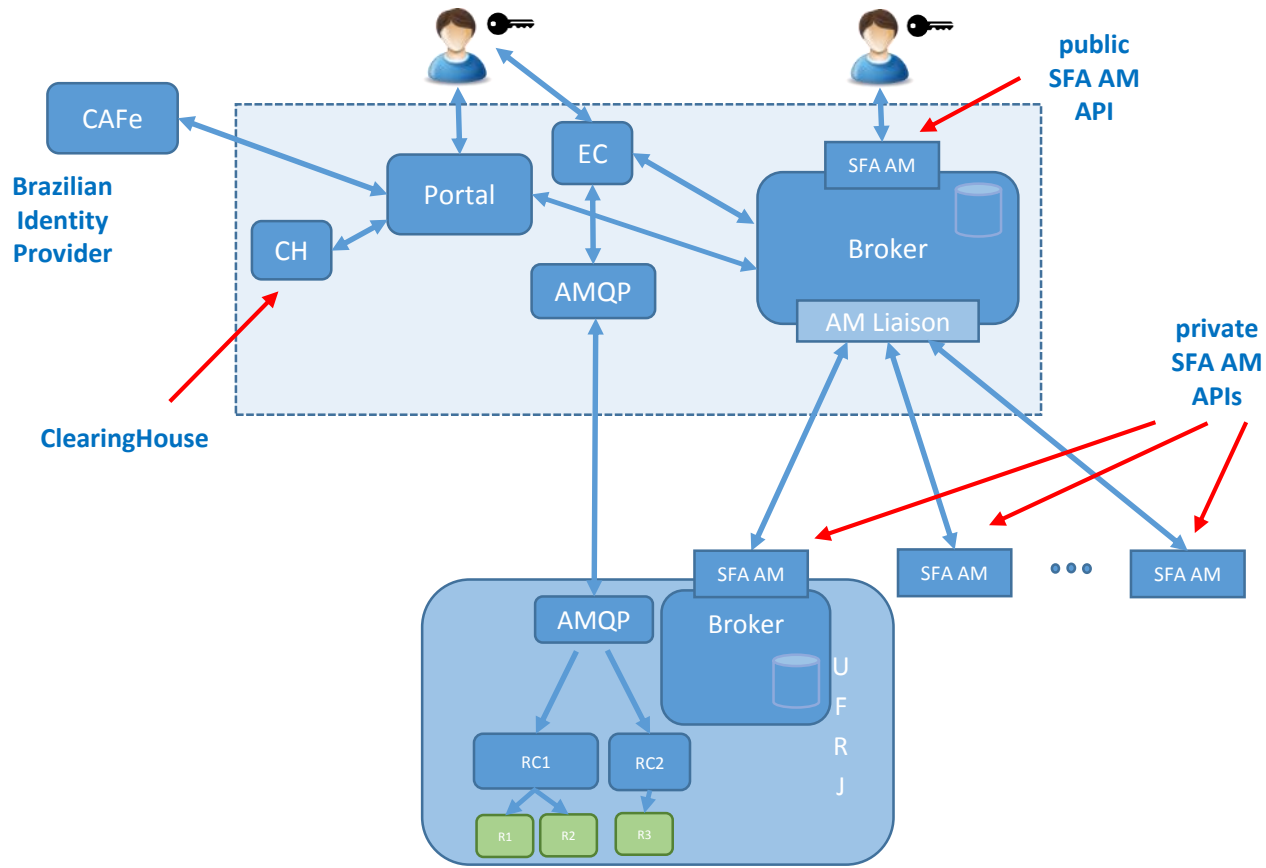
# Where we will be in 3-5 years

- **New Portal + Clearinghouse**
- **Single CMF for all resources: OMFv6 + Broker (AM)**
- **New SDN Overlay backbone**
  - white-box switches: OVS + DPDK
  - slicing: dynamic OVS instantiation and tunneling
- **Level 1 user support provided by RNP Service Desk (24x7)**
- **Supporting infrastructure to other collaboration projects**



# Willingness to interoperate with colleagues around the world

- **SFA-compliant thru OMF6 Broker**



- **federate with Fed4FIRE and GENI**



# Thank you / Obrigado



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