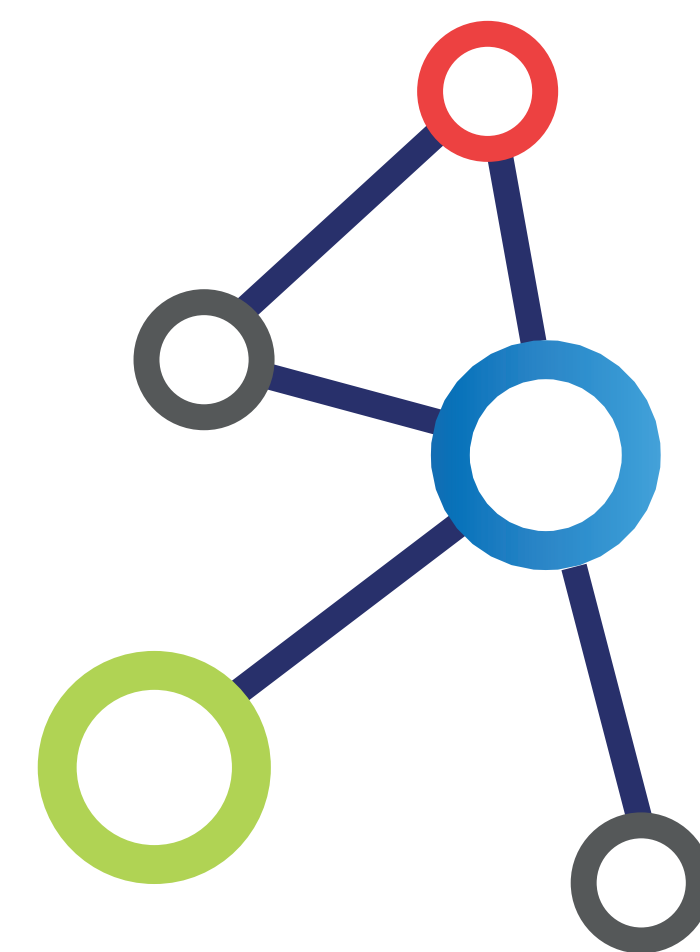
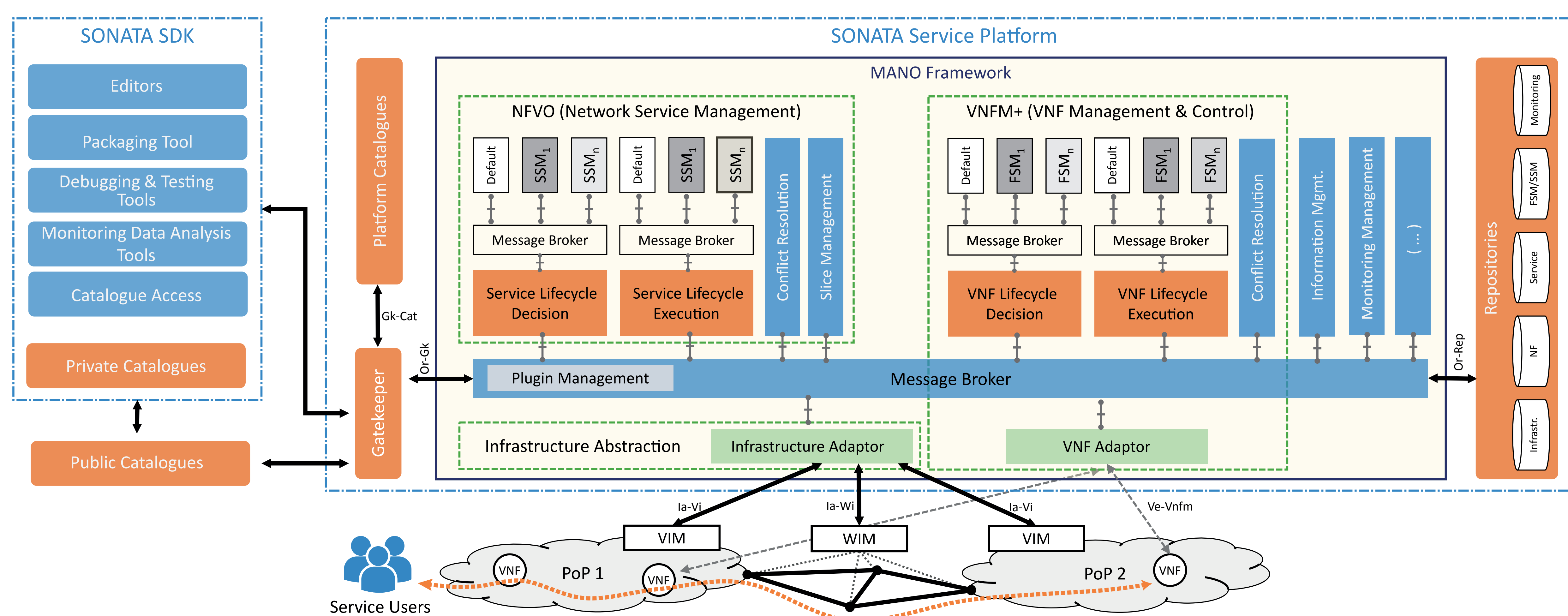


# sonata



## Agile Service Development and Orchestration in 5G Virtualised Networks

SONATA targets the flexible programmability of software networks  
and the optimisation of NFV deployments



Through a customisable Service Platform with NFV Orchestrator, supporting Network Service SDK for developers and specialised DevOps workflow to connect it all, SONATA pushes the following innovation towards the transition to software networks:

### Modular and Customisable MANO Plug-in Architecture:

- Providing NFV MANO flexibility to network operators with customisable platform functionality and ability to add new features via plug-ins (FSM)
- Empowering third-party service developers with control over specific orchestration and management functionalities pertaining to their own service (SSM)
- Supporting both resource and service orchestration. Advanced conflict resolution for resource allocation introduces auction-based mechanism to establish priorities among services

### Interoperable and Vendor Agnostic Framework:

- Multi-VIM, multi-vendor, multi-site support
- Underlying ETSI-based architecture
- SDN/NFV integration and for better interoperability between NFV MANO layer and SDN controller

### Efficient Network Service Development and DevOps:

- Providing service developers with a SDK for efficient creation, deployment and management of VNF-based network services on the platform
- Unique NFV DevOps workflow and platform/SDK support bridges collaboration between operators and service developers

### 5G Slicing and Recursion Support

- Slicing support delivers performance isolation and bespoke network configuration for industry verticals foreseen in 5G networks
- Recursion support allows stacked tenant and wholesale deployments in new software networks business models

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HORIZON 2020

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 671517.