REPORT ON ACTIVITIES POC 22 NTN, 5G SRV6 INTEGRATION FOR TSN BY ARTIFICIAL INTELLIGENCE



consorzio nazionale interuniversitario per le telecomunicazioni

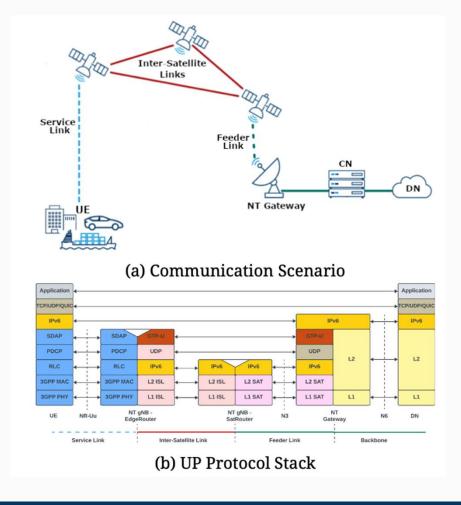
Dott. Pietro Cassarà pietro.cassara@isti.cnr.it

ETSI ENI #30 2024 June 3rd

	Organization name	ISG ENI participant (yes/no)	Contact (Email)	PoC Point of Contact (see note 1)	Role (see note 2)	PoC Components
1	CNR ISTI	Yes	Pietro Cassarà pietro.cassara@isti.cnr.it	x	Academic	- User Stories / Use Cases definition - PoC development - PoC documentation - PoC demos
2	CNIT	Yes	Fabrizio Granelli fabrizio.granelli@unitn.it		Academic	-Help with concept proof
3	Huawei	Yes	Aldo Artigiani aldo.artigiani@huawei.com		Vendor	-Help with architecture design, protocol design, intelligent solution, and platform verification
4	China Telecom	Yes	Yu Zeng zengyu@chinatelecom.cn		Operator	-Validate solution and support test execution, provide use cases
5	Futurewei Technologies	Yes	strazpdj@gmail.com		Research	- Contribute to ENI evolution to support new scenarios to be validated in PoC execution
NOTE 1: Identify the PoC Point of Contact with an X. NOTE 2: The Role will be network operator/service provider, infrastructure provider, application provider or other as given in the Definitions of ETSI Classes of						

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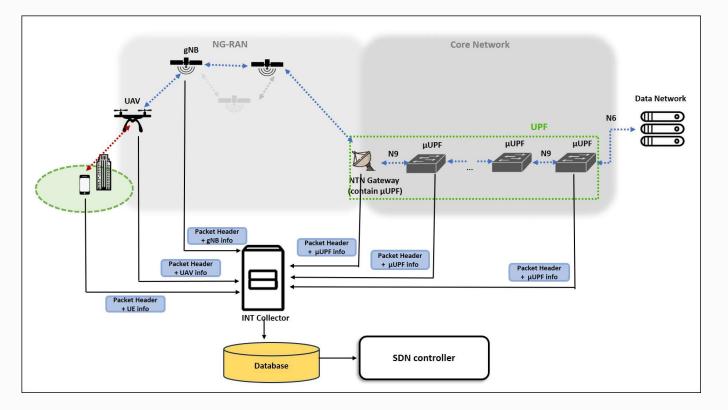
REFERENCE SCENARIOS



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SLA ENFORCING

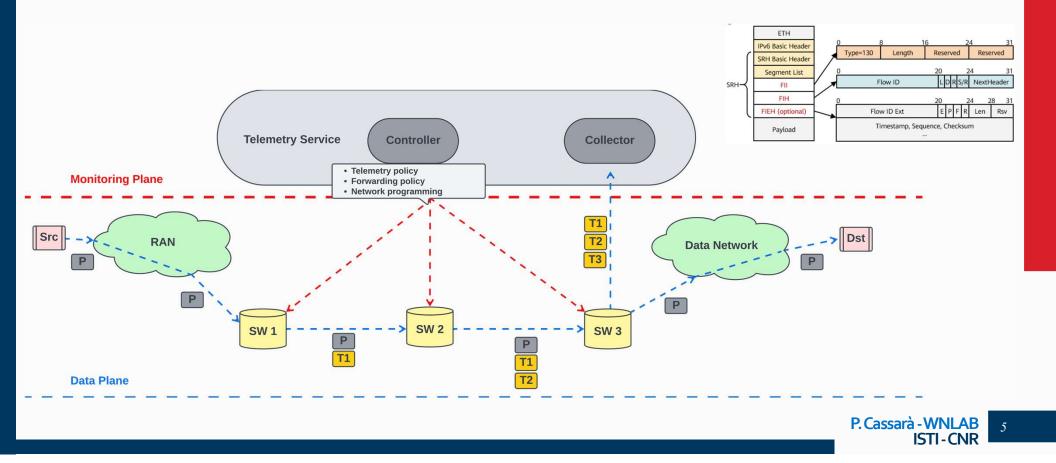
RL-based approaches for SLA Controlling

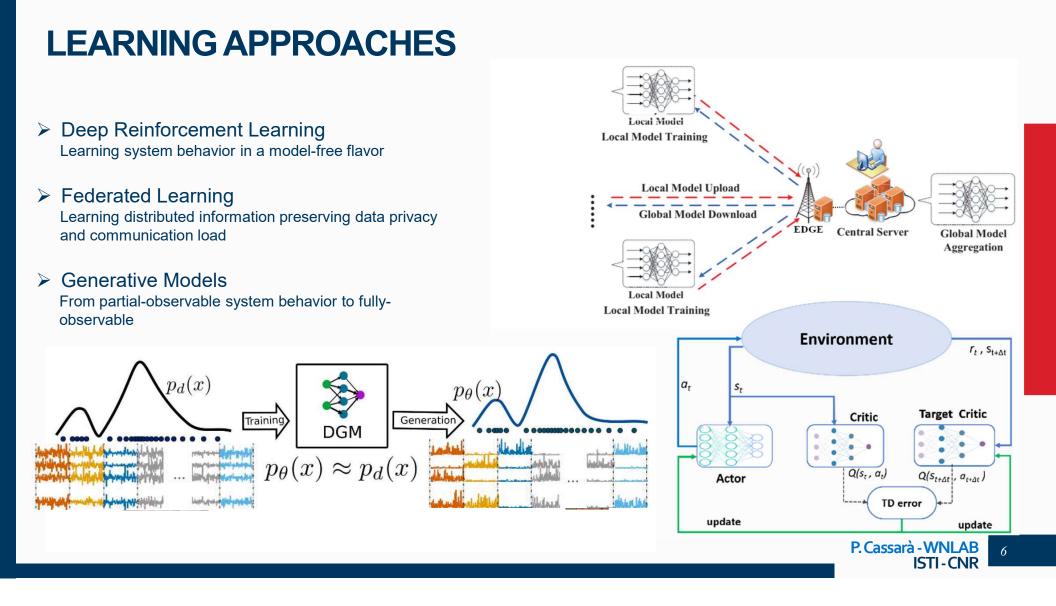


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NETWORK PERFORMANCE MEASURING

How to gathering information: in-band telemetry

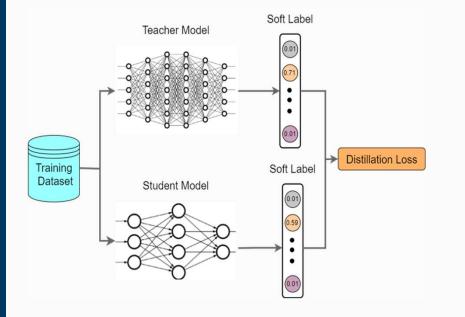




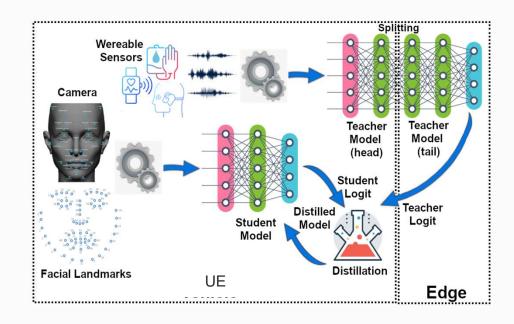
TRANSFER LEARNING

Distillation

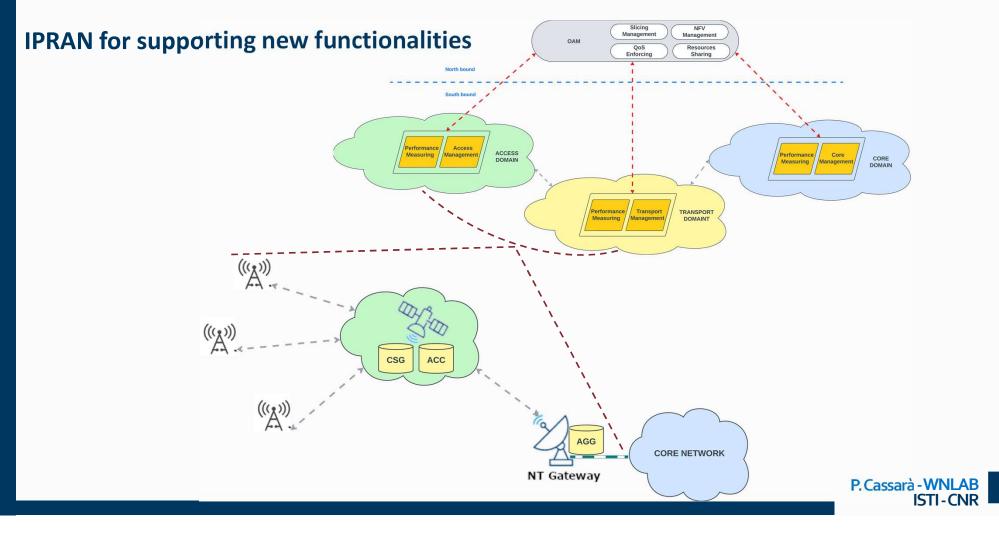
Transfer knowledge from a complex model to a simple one



 Cross-Modal Transfer knowledge from a modality to another



OAM ARCHITECTURE



Thanks for the attention

