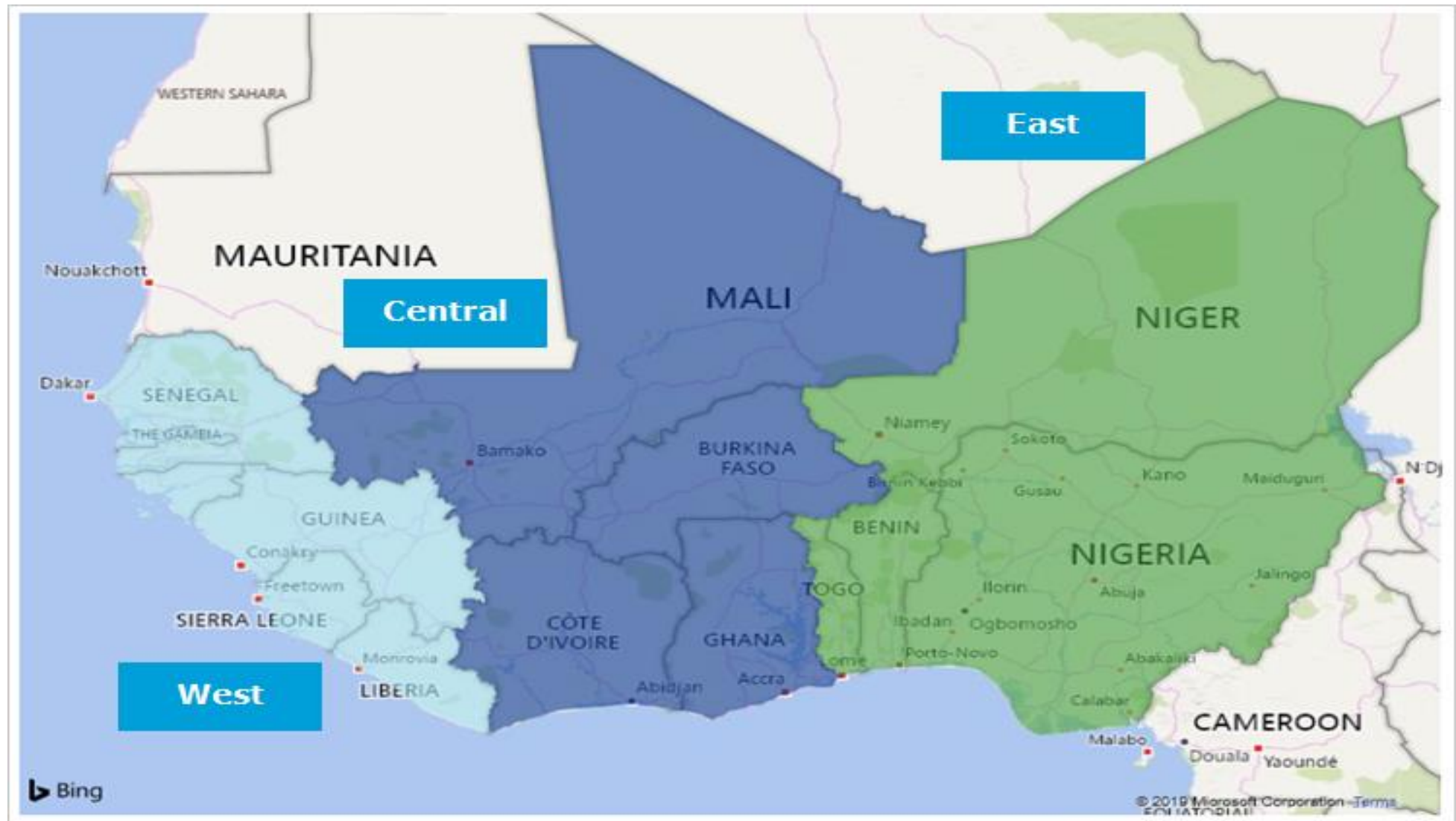


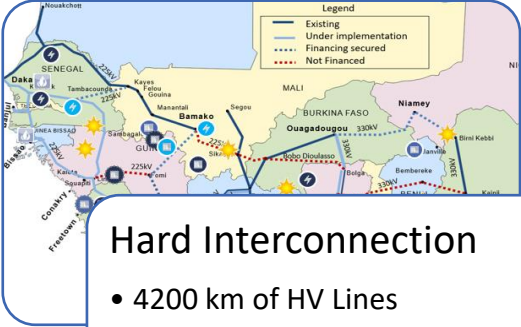


Economic Community of West African States (ECOWAS) – Regional Battery Energy Storage Systems Project (BEST)





West African Power Pool(WAPP) Integration Process



- Hard Interconnection**
- 4200 km of HV Lines
 - 34 Substations
 - ICC and Dispatch Centers
 - Synchronization Equipment

- CLSG
- OMVG
- OMVS
- Guinea-Mali
- North Core
- Regional Solar
- Regional Access SOP



- Soft Interconnection**
- Operational rules
 - Market rules
 - Ancillary Services
 - Regional Entities (ERERA & ICC)
 - Creditworthy utilities

- ITAP
- DPFs
- BE3S



- Power Market**
- Phase I
 - Phase II
 - Phase III

World Bank Support

What is BEST about?

- The project aims at fostering the regional energy market by promoting synchronization through financing activities of ancillary services, and seeks to build the regional institutions under ECOWAS
- Countries: Côte d'Ivoire, Mali, and Niger

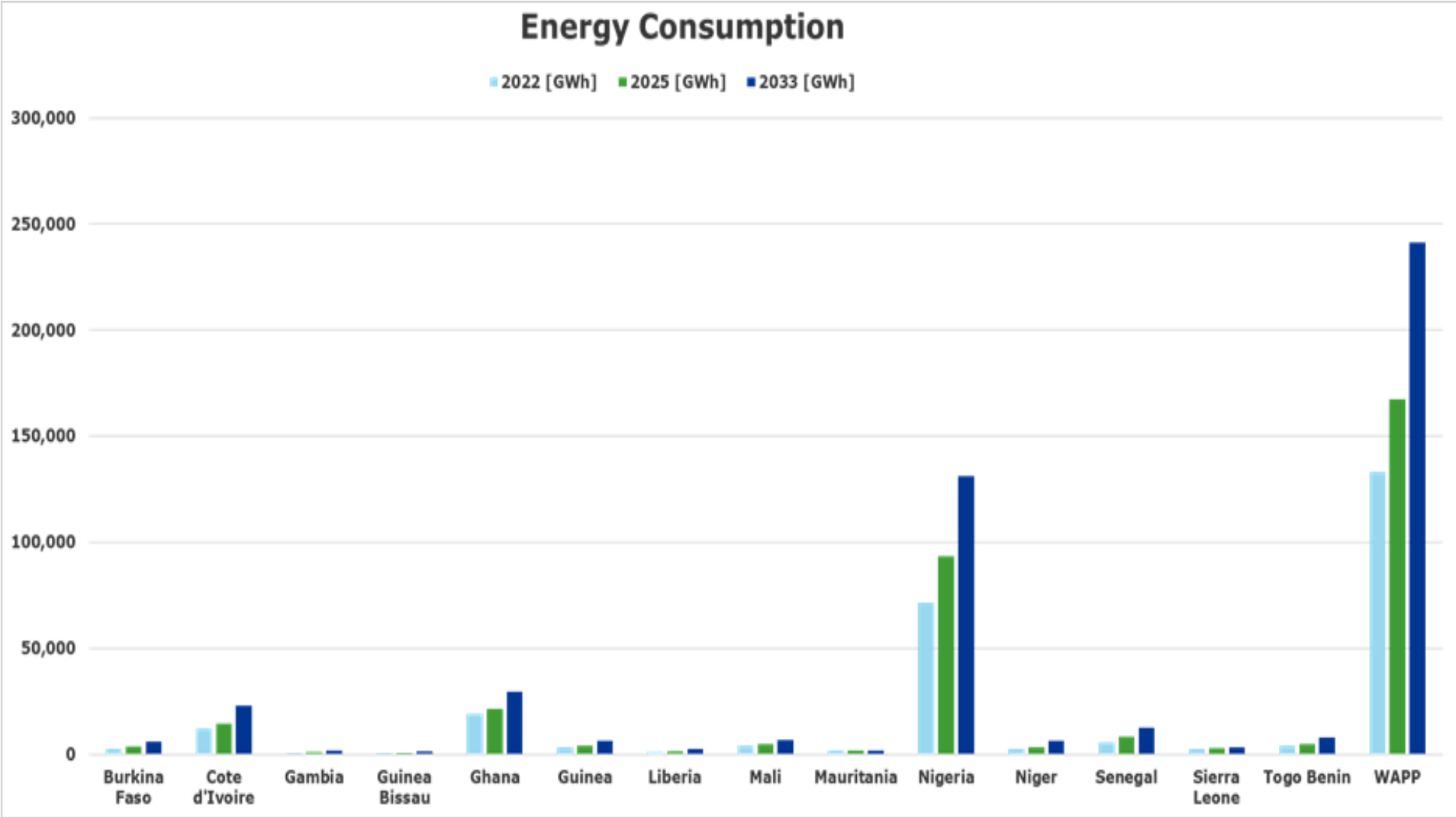


BEST Key Features



- Joint Procurement/ Economies of Scale
- Harmonized and Standardized Equipment
- Rapid implementation
- Regional Funds





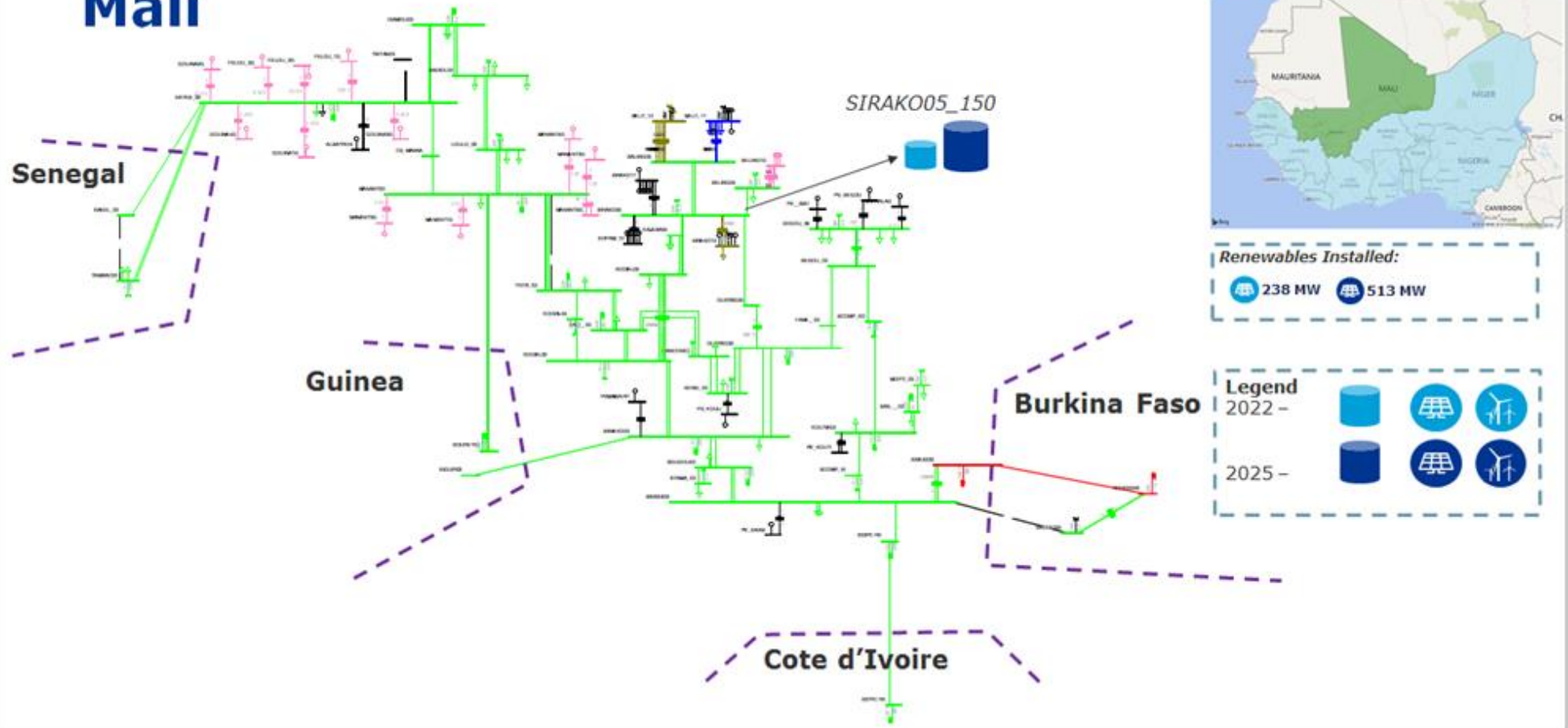
Capacity of Battery Storage

Country)	Substation name	MWh	MWh
		BESS [2022]	BESS [2025]
Cote d'Ivoire	KORHOGO 225/90 kV	50	50
	BOUNDIALI 225/90 KV	20	120
	ODIENNE 90 kV	35	90
Mali	SIRAKORO 150 kV	80	110
Niger	GAZAOU	60	100
	GOROU BANDA	20	100

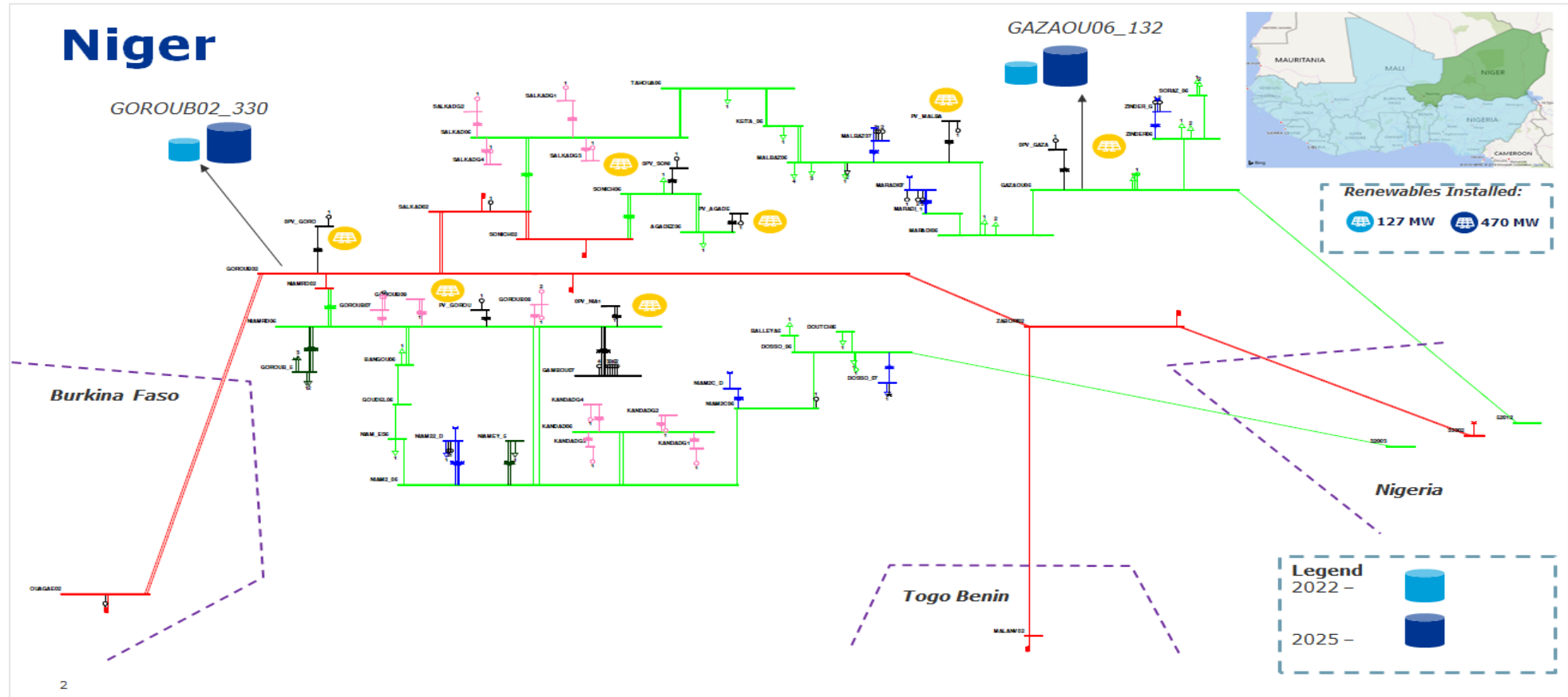
Merged Project -Project financing: IDA: \$156m

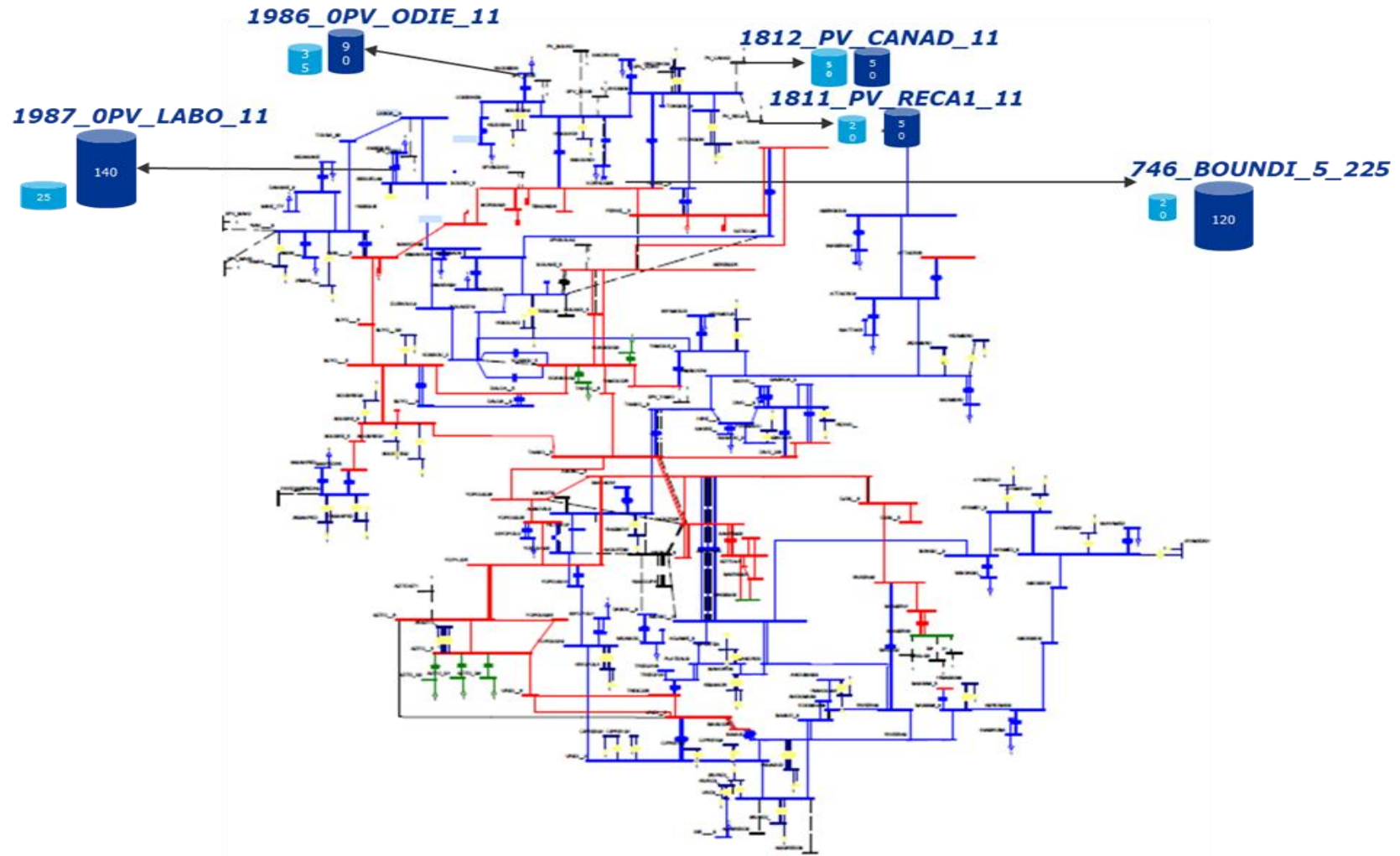
	Cote d'Ivoire	Mali	Niger	Senegal	Mauritania	ECOWAS ERERA	Total
Regional IDA	47	37	10			0	94
National IDA	23	18	5			0	46
Regional IDA Grant	0	0	0			16	16
Total	70	55	15			16	156

Mali

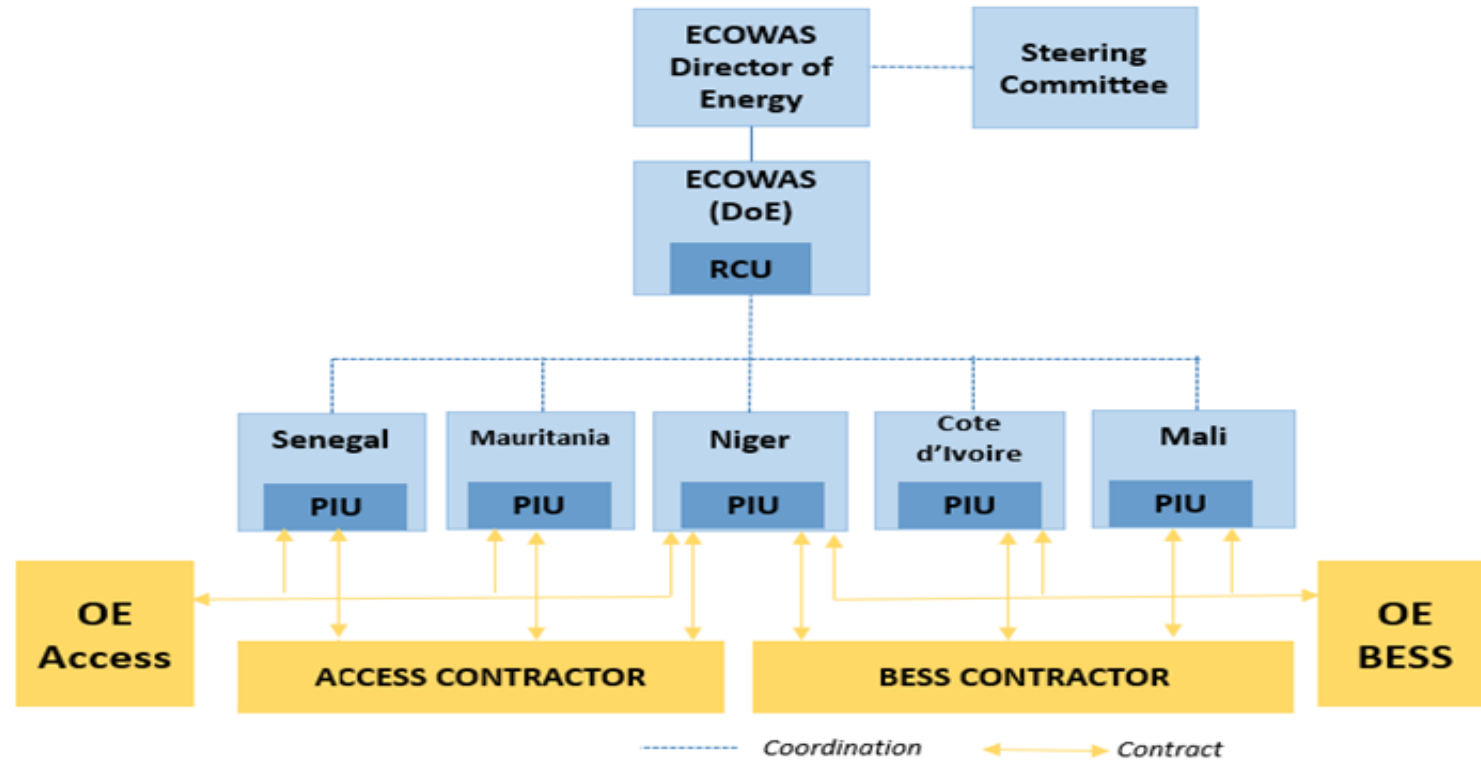


Niger





Project institutional arrangement



Thanks!

