EGYPTERA workshop – ONLINE

February 10th 2021 – 3-430pm (Italian time)

Draft agenda:
3pm – Brief Introduction and Start of the session

- Illustration of the main points of the report
  ALESSANDRO RUBINO – BARI University 30min
- Power System Production Cost Modeling to Inform Electricity Planning & Regulation
  Carlo Brancucci, encoord and University of Colorado – Boulder 30min
- **Q&A session – 30min**

4.30 - Conclusions and next steps

Details of the speakers and abstract of the presentation

Name & Affilliation: Alessandro Rubino – Bari University

Title of the presentation - **System Operator data information schemes for monitoring and planning purposes**

Abstract of Presentation: The separation of the activities potentially subject to competition (such as production and supply of energy) from those where competition is not possible or allowed (such as transmission and distribution – unbundling – requires a new and different role of the main players and stakeholder in the electricity industry. The present report describes and analyse the role that EgyptEra will have to play in defining and implementing the new monitoring and data collection activities and provides details of the implementation strategy from the Sort Run to the Long Run.

Name & Affilliation: Carlo Brancucci, encoord and University of Colorado – Boulder

Title of Presentation: **Power System Production Cost Modeling to Inform Electricity Planning & Regulation**

Abstract of Presentation: Power system planners, operators, and regulators around the world are facing the challenge of transitioning to a renewable and decarbonized future while maintaining system reliability and ensuring affordable power. The integration of variable and uncertain wind and solar power impacts electricity networks and markets by creating new operational challenges and by enabling new opportunities to reduce their dependence on fossil fuels and to increase system flexibility. Power system production cost models allow decision makers to study how power networks and electricity markets would operate under future scenarios that may vary in terms of demand growth, demand flexibility, renewable integration, short- and long-term storage integration, local and cross-border electricity transmission capacity, etc. This presentation will highlight the potential value of developing and running power system production cost models for the decision makers of a region or a country whose electricity system is evolving and is expected to transition to a low-carbon future.