

## CAETS 2021 PROGRAM (January 10, 2021)

### **PLENARY. ENERGY and GLOBAL WARMING**

Opening presentation. Fatih Birol. IEA \*\*

- 1- Climate change data update.
- 2- Evaluation of COVID impact

### **SESSION 1-ENERGY DEMAND-NEW TRENDS**

Opening presentation. Yves Bamberger. NATF

- 1- Grid edge technology \*\*
- 2- Energy efficiency-Residential-Industry-Services
- 3- Electric mobility

### **SESSION 2-THE FUTURE of NUCLEAR ENERGY**

Opening presentation- Ernest Moniz. M.I.T \*\*

- 1- Technology developments.
- 2- Argentina SMR project

### **SESSION 3-RENEWABLES**

Opening presentation. Ulrich Wagner. Acatech

- 1- Energy conversion and storage: Batteries
- 2- Hydrogen
- 3- Key raw materials: Lithium-Cobalt
- 4- Intermittency challenges-Follow up CAETS 2020 report

### **SESSION 4-OIL and GAS**

Opening presentation: Bassam Fattouh. Oxford Institute of Energy

- 1- Oil and gas production projections
- 2- Natural gas as the world energy transition fuel.
- 3- LNG growth-Coal replacement.
- 4- Carbon capture and storage.
- 5- Soil carbon sequestration

### **PLENARY- INTERNATIONAL AGREEMENTS TO REDUCE CARBON EMISSIONS**

Opening presentation

- 1- Latin America energy matrix and future developments: Argentina-Brasil-Chile-Colombia-Mexico
- 2- Summary previous sessions

### **SESSION 5-EDUCATION ON ENGINEERING**

\*\* Awaiting confirmation