

## **Session report Outcome and Insights from Flagship Pilot Studies (FPSs)**

**Day and time: 2023-09-27, 16.00-17.00**

**Chairs: Silvina Solman, Daniela Jacob**

**Rapporteurs: Ross Dixon and Luis Muñoz**

### **Summary**

The session was devoted to discussing the main outcomes, lessons learned, and challenges arisen from the CORDEX Flagship Studies (FPSs). First, a brief introduction of the history of FPSs was presented, highlighting that the initiative was created to tackle emerging scientific challenges relevant for CORDEX. Since the first open call in 2016 and through a series of open calls afterwards, 11s FPSs have been endorsed by the CORDEX SAT. A summary of the active FPSs was presented covering a variety of topics including convection permitting modelling, the impact of land-use and aerosols on the regional climate, the problem of distillation of climate information and the inspection of model complexity for simulating several regional climate phenomena over different continental areas of the world. Even though the FPSs cover diverse topics, mutual challenges and expected and unexpected goals were summarized. A round table with invited Principal Investigators of a number of FPSs was organized to discuss some key elements based on their experiences on leading the initiatives. The discussion allowed identifying important elements for the future evolution of FPS.