iPST project

Introduction

Nicolas Omont
nicolas.omont@rte-france.com

Partners

1 TSO:

5 industrials:

4 research centers:

The consortium involves several IT providers besides RTE in order for iPST users not to be dependent on a single company.

Agenda (morning)

10:00: Welcome coffee

Why iPST

10:30: **Short-term grid operation at RTE: present and future** *(Pauline Gambier-Morel and Matthieu Dussartre, RTE R&D)*

11:10: **Garpur: Insights into a future risk doctrine** *(Efthymios Karangelos, University of Liège)*

How to use iPST (basics)

11:30: **Organization of the IT project and simple use case demonstration** *(Christian Biasuzzi, Tech Rain)*

12:30: Lunch

Agenda (afternoon)

How to use iPST (advanced)

13:45: **iAL, the iTesla Action Language**: a DSL and a rule engine dedicated to remedial action simulations: theory and applications *(Pauline Gambier-Morel and Mathieu Bague, RTE R&D)*.

How we used iPST

14:30: **Research results**

- Robust security analysis *(Nicolas Omont, RTE R&D)*
- 3D (P,Q,V) diagrams of Eurostag generator models: a step towards automatic dynamic security analysis. *(Frédéric Troalen, RTE R&D)*
- Improvement to the FEA model of injection uncertainties *(Andrea Pitto, RSE)*

15:00: Pause

How to use iPST (advanced)

15:30: **Modelica library and dynamic simulators**
(Gladys Eliana Leon, AIA)

16:00: **The 2017-2018 development roadmap**
(Nicolas Omont, iPST project)