



DREAM Winter School
Interaction meeting with twin projects
Innovation game

Raphael Caire, Grenoble INP
14th-17th of December 2015



présentation available in the Dream website

Warm welcome in Grenoble



Population

447 000 residents



Higher education

62 000 students

11 % of the population are students
45 % of the students are in Science
11 % are foreign students

Research

15 000 researchers

11 000 in public institutions
4000 in private organizations

One of the foremost scientific and technological center in Europe

5 European research centers
8 national research centers
230 laboratories



Winter School in Grenoble INP

- Winter school about distributed intelligence for Smart Grids
- From 14th to 17th of December 2015
- Speakers:
 - Keynote speakers (from DREAM: Nikos Hatziargyriou, Rene Kamphuis, among others)
 - Speakers from 711 twins project
 - Other invited speaker from key university in Smart Grid (UPC)
- Interactive session focus on the distribution of intelligence and end user participation to energy and balancing markets
- With students from KIC Innoenergy



December 2015	Monday 14 th		Tuesday 15 th		Wednesday 16 th		Thursday 17 th		
	Morning	afternoon	morning	afternoon	morning	afternoon	morning	afternoon	
Master Students (SGB, KIC SENSE & SC)	09:30-10:00 Introduction by R. Caire & Maud Demperat	13:45-15:15 Agent based coordination for Smart Grid and Microgrid Despina Koukoula et Iasonas Kouveliotis-Lysikatos	09:00-10:30 UPC work about agent based control by Andreas Sumper	13:45-14:30 LV state estimator and voltage control by Ricardo Bessa	INNOVATION GAME Immersion & Inspiration: Find essential information in order to fully understand the challenge and direct your search for potential solutions.	INNOVATION GAME Creativity Workshop: Explore ideas and develop solutions. "Creativity is inventing, experimenting, growing, taking risks, breaking rules, making mistakes, and having fun." Mary Lou Cook	INNOVATION GAME Have Your Concept Challenged: test and improve your solution. Revise Your Concept: Develop a new version of your solution based on previous comments.	INNOVATION GAME Prepare Your Pitch: Prepare your presentation to show the jury how great your solution is! Pitch Time! quickly and simply define your solution and persuade of its value.	
	10:15-12:15 Agent based coordination for Smart Grid and Microgrid by Nikos Hatziargyriou	15:30-17:00 Agent based coordination for market issues by René Kamphuis	10:30-11:15 INCREASE Agent Based control view by Grigoris Papagiannis	14:30-15:15 DREAM Agent Based control view by Raphael Caire & René Kamphuis	Restitution Workshop	09:00-10:30 Market in 711 projects session 10:45-11:45 final discussion			
	Twins project meeting	17:00-19:00 SENSE meeting	11:30-12:15 IDEAL "Congestion management at distribution network", Francisco Ramos	15:30-17:30 Discussions about Agent based coordination in DSO evolving operational systems					
PhD Students									

Support from:



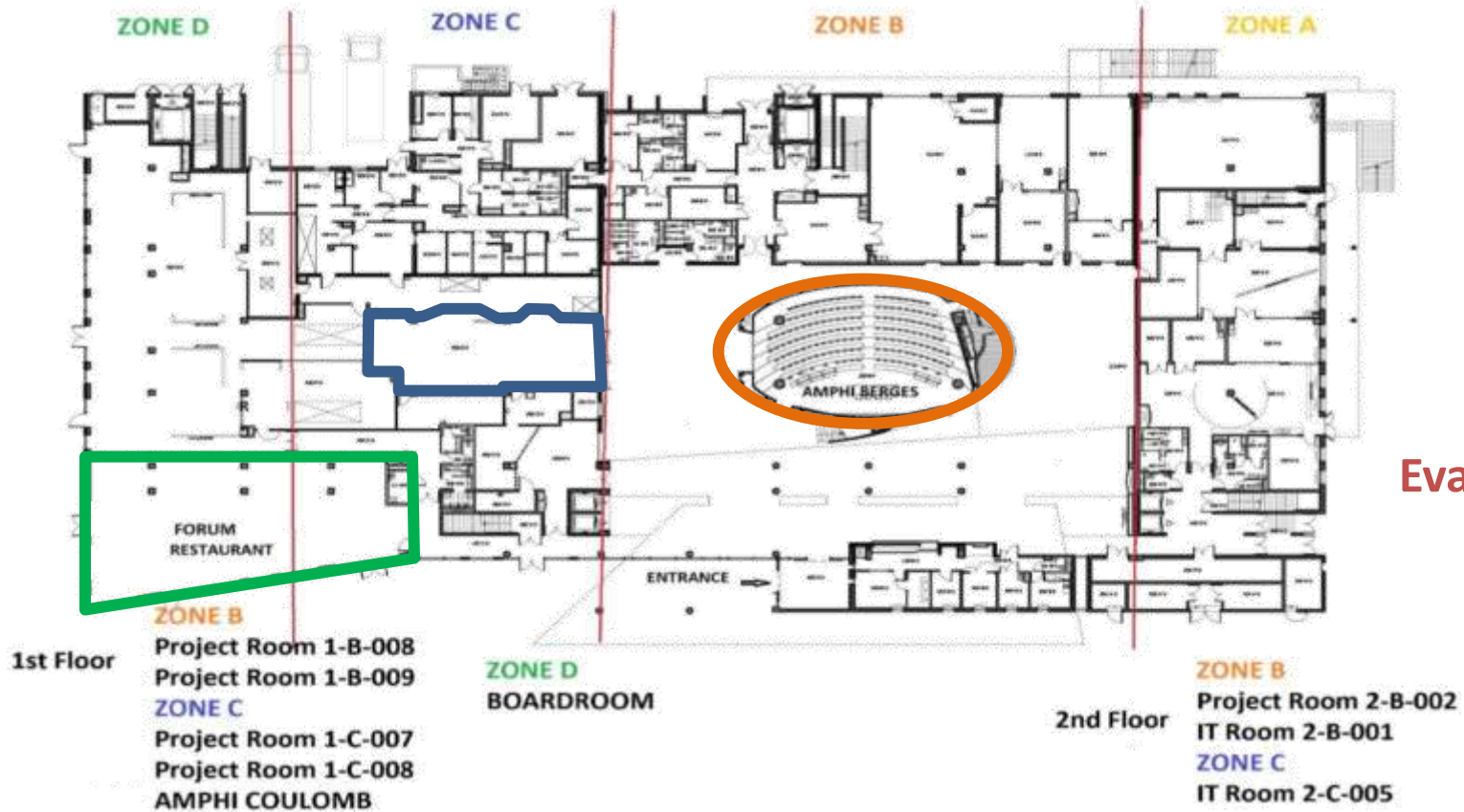
Winter School in Grenoble INP – important points



Lectures
Interaction
meeting

Lunches

Monday
diner



KIC and EU project dinner

- A social event is organized for KIC Master Students joining the EU project participants the Tuesday night

Café Forté
4 place Lavalette
Grenoble

- Tram **B** stop
Notre Dame Musée

from 20:30

