

PROGRAM FOR COMPANY MISSION IN AUVERGNE-RHÔNE-ALPES

12-14 APRIL 2022

The Auvergne-Rhône-Alpes region is a unique ecosystem in France where SMEs are the leading employer and almost 50% of French mid-cap companies are present. One of its specificities is to have a very **strong industrial sector and is actually the 1st industrial footprint region in France** (over 480,000 jobs) with more than more than 30 000 industrial companies, including many start-ups, equipment manufacturers and top-tier partners of our country's major industries. The Region is also considered to be a **highly innovative hot spot**, both at the national and EU scale, thanks to the presence of 2 international Research Technical Organisations (CEA & INRIA) within a network of 8 major national research centers, one of the four national multidisciplinary Institutes in Artificial Intelligence (MIAI), 22 competitiveness clusters innovating in the region's fields of excellence. Finally, the Region is very dynamic in the development of the digital economy and has invested more than 650M€. As a result, in 5 years, the number of companies in the sector has risen from 2,500 to more than 4,800 and the digital sector employs close to 70 000 people.

Day 1 : 12th April - Grenoble ([maps](#))

Time	Issue	Speakers	Details
9.00	Welcome coffee and introduction	Y-SPOT	Hot spot for collaborative innovation where a community of industrialists and companies, researchers, business creators... want to build the future together and collectively respond to the major societal challenges of today and tomorrow. (website).
9.15	Round table presentation	Participants	<ul style="list-style-type: none"> - Participants round table - Ice breaker exercise
9.30	SMARTENERGY overall presentation	Tenerrdis Minalogic	<ul style="list-style-type: none"> - Presentation of the project objectives - Rationale of the clusterXchange - Presentation AURA Hosting package agenda
10.00	Y-SPOT and CEA presentation	CEA	<ul style="list-style-type: none"> - Open innovation platform - Show room visit - CEA Liten presentation
11.30	Access to funding for innovative European SMEs	Innoenergy	EIT InnoEnergy brings people and resources together, catalysing and accelerating the energy transition. New ideas, products and solutions that make a real difference, and new businesses and people to deliver them to market. (website).
12.30	Lunch break		
14.00	Visit option 1	Schneider Electric	IntenCity, Schneider Electric's new net-zero energy Building of the Future in Grenoble, France is a showcase for the company's commitment to sustainability. (video).
	Visit option 2	Compagnie de Chauffage	Second largest District Heating network in France, it is one of the most environmentally virtuous energy operators in Europe. Its activities: Heat production and distribution; Incineration and recovery of waste; Energy efficiency services; Production and distribution of refrigeration. (video)
16.00	End of day 1 (train to Lyon)		

Day 2 : 13th April - Lyon Cité Internationale ([maps](#))

Time	Issue	Description	Details
9.00	Welcome coffee and introduction	Mix-E : 200 exhibitors, 6000 attendees, 60 conferences.	Meeting on Tenerrdis booth
9.15-11.30	MIX-E presentation and visit	The Multi-energy and Multi-solutions European Show entirely devoted to <u>energy & technological innovations and their deployment</u> to reach a carbon-neutral energy mix.	Presentation of the European tech and uses innovations for a carbon neutral mix. source
11.45-12.30	AI / DATA: The challenge of data science for RE	AI is a great contributor throughout the energy value chain, from production to consumption! While a big number of wind, solar and biomass RE projects are emerging, it becomes critical to analyse and measure the operation of these installations in order to improve their operating performance, detect anomalies, anticipate maintenance and provide recommendations to field operators.	Speakers : Engie Digital; Wavestone; Dataiku; Microsoft. source
12.45-13.30	Digital Twin: optimizing the network	It is now possible to model the life cycle of a renewable energy asset, a local network or even a city. This is a windfall for the world of smart grids and micro-grids, where the modeling of energy systems enables visual flows and efficient management of the power grid.	Speaker : Energisime. source
15.15-16.00	Cyber-attacks and energy systems, facing the risk	Risks are real. Energy transition policies and efforts to integrate renewable energies will only reinforce this trend. How can cybersecurity participate in building these multi-energy and algorithmic infrastructures? What common measures should be adopted throughout the European Union to guarantee the security of highly interconnected energy networks?	Speaker : CEA source
16.15-17.00	Battery/storage: innovations and new services	...	Speakers : Tenerrdis, Mecaware, EMIRI. source

And many more full programme : [source](#)

Day 3 : 14th April - Lyon ([maps](#))

Time	Issue	Speakers	Details
9.30	Visit nbr 1	Campus Région du Numérique	The Region Digital Campus is a vibrant site for trainings and innovation. Half of the facilities are dedicated to training for digital professions, One quarter are dedicated to competitiveness hubs, clusters and partners (to support SMEs in their digital transformation). The remaining quarter is dedicated to Campus Factory projects, that encourages the emergence of innovation, particularly in industry. (web)
		The Campus factory	The campus factory is dedicated to innovation, to testing and integrating new technologies into business. Thanks to a full-scale digitised factory, four industrial consortia made up of companies, schools and laboratories offer a unique, immersive experience at the core of Industry 4.0: technological platforms, laboratories on operational excellence “digital lean”, data management, additive fabrication, 3d printing, virtual reality, robotics, digital twins (brochure)
		B2B	Matchmaking sessions between visitors and the Campus resident : training organisations, schools, clusters, associations, technological platforms, industries : list .
	Visit nbr 2	Confluences Eco-district walking tour	Inspiring example of planning for a large-scale low-carbon district and real laboratory for urban innovation. 30 photovoltaic installations supply more than 2 MW of electricity, equivalent to the annual consumption of 1,000 households, and a smart grid is under development. Beyond the carbon footprint and energy considerations, this district is a model of urban and social mix. (video).
	Visit nbr 3	Tuba	TUBÀ is a living lab based in Lyon, dedicated to the development of urban projects relying on digital cultures and data potential. (website)
16.00	End of the mission		