



FIFTH NANOSAFE INTERNATIONAL CONFERENCE

*HEALTH AND SAFETY ISSUES RELATED TO NANOMATERIALS
FOR A SOCIALLY RESPONSIBLE APPROACH*

We acknowledge our partners, sponsors and exhibitors





WELCOME TO NANOSAFE 2016!

7-10th November, 2016
MINATEC, Grenoble - France

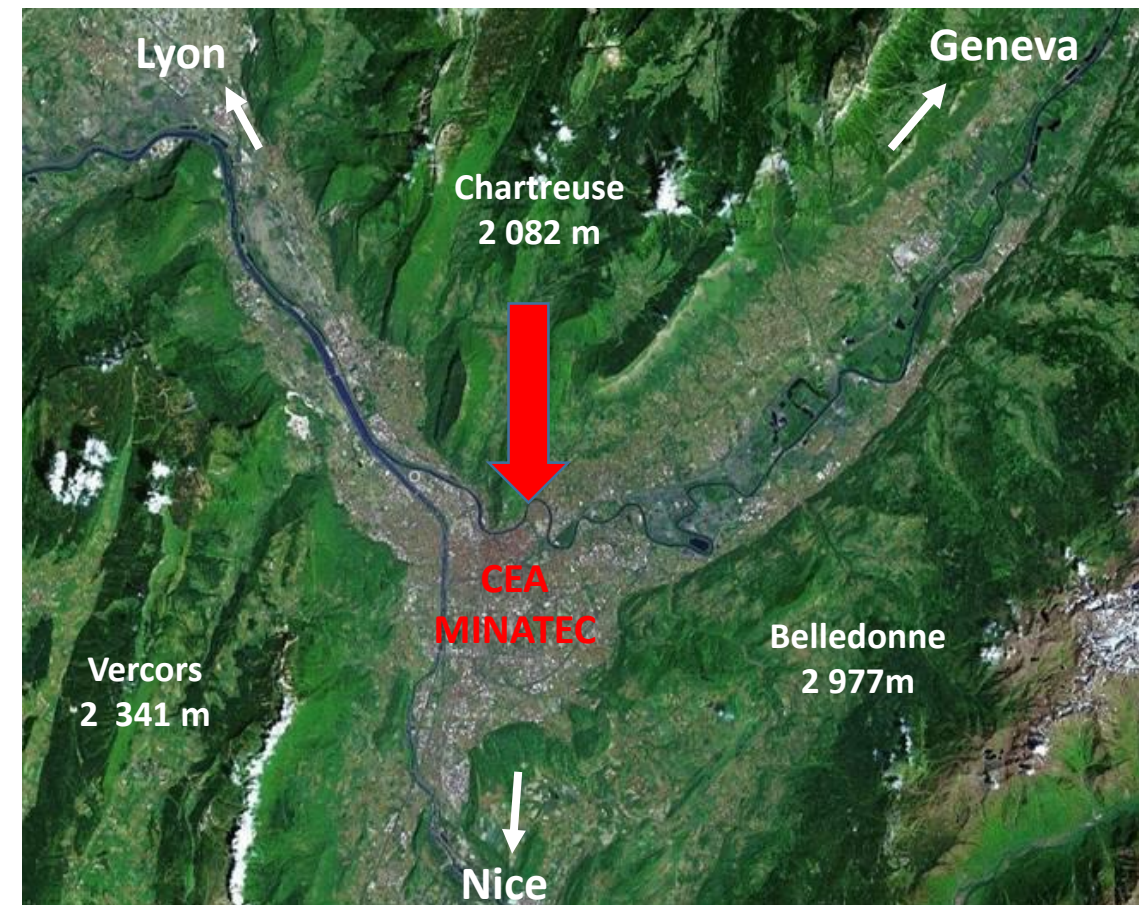




Grenoble city : an historical high tech industrial area originated from the hydroelectricity!

- 400 000 inhabitants
- 30 minutes from ski resorts
- French highest ratio of engineers vs citizens
- Elected among top 3 cities students (60.000)
- High tech industry & research infrastructure

5th in Forbes Magazine's
"Most Inventive Cities in the World"
(2013)



: Atomic & Alternative Energies RTO

16 000 employees in France

4 500 employees in Grenoble



« From Research to Industry »

1956 CEA

(Nuclear research)



Louis NEEL

Nobel Prize (1970)
First director of
CEA Grenoble



CEA: 2nd PATENT FILER
IN FRANCE (2015)

1- PSA Group (Peugeot)

2 – CEA / FRANCE

3 – L'Oréal



REUTERS

CEA: 1st of REUTERS' MOST INNOVATIVE
INSTITUTIONS (March 2016)

1 – CEA / FRANCE

2 - Fraunhofer Society / GERMANY

3 - Japan Science & Technology Agency / JAPAN

4 - U.S. Dept of Health & Human Services / USA

5 – CNRS / FRANCE

6 – KIST / SOUTH KOREA

7 – AIST / JAPAN

8 - U.S. Department of Energy / USA

9 – A*STAR / SINGAPORE

10 – INSERM (Health&Medical Research) / FRANCE



2006 CEA-MINATEC

(Micro & NAnotechnology)



Jean Therme

Founder of CEA
MINATEC





Platform NanoSafety:

R&D and Services in Nanosafety for industrials

Measurements,
characterization and reduction
of the Exposure for workers

Characterization and reduction
of np release from nanoproducts
(Safer by Design)

Monitoring, medical and
biological consulting

Incident and emergency
response
Remediation

Consulting, training,
certification



50 PhD + engineers



€17.3 million invested



2,000 sq. m of lab space
7 classrooms



- ❑ **332 attendees from more than 30 countries**
- ❑ **170 oral presentations covering the whole nanosafety issues:**
 - 1-Measurement and characterization of nano objects
 - 2-Exposure
 - 3-Manufactured nano objects
 - 3.1-Release from nano-enabled products
 - 3.2-Safer by design nanomaterials and process
 - 3.3-Risk management
 - 3.4-From nanoproducts to waste
 - 3.5-Nano Responsible development
 - 3.6-Commercial Equipment
 - 4-Urban particles
 - 5-Nano objects and health
 - 5.1-Toxicology
 - 5.2-Environmental interactions of nanomaterials
 - 5.3-Safe use of nano objects for medicine applications
 - 6-Regulation/Standardization
- ❑ **3 debates:** NanoResponsible development, Urban particle mitigation: what is reasonably possible, Nanomedicine: Benefit/Risk
- ❑ **91 poster presentations**
- ❑ **13 exhibitors**



NEXT EDITION
2018

5-9th November
Grenoble, France



PRACTICAL INFORMATION

Oral Presentations:

- Presentations have to be uploaded at the conference room computer 10 min before each session
(after each plenary session, you will have 15 min to change room and to upload your presentations)
- Presentations will be available at the end of the conference at www.nanosafe.org

➔ ***Please remove any confidential items***

Poster Sessions:

- In parallel of lunch break on Tuesday 8th and Wednesday 9th
- Poster set-up: Today before 6:00 pm
- Poster removal: Thursday 10th before 5:00 pm

Full papers:

- Upload your full paper at the welcome desk each day during coffee breaks and lunch breaks
- Publication at the open access Journal of Physics: Conference Series - IOPScience
- Contact: Gaele Charlier

PRACTICAL INFORMATION CON'T

Coffee-breaks and lunch Time:

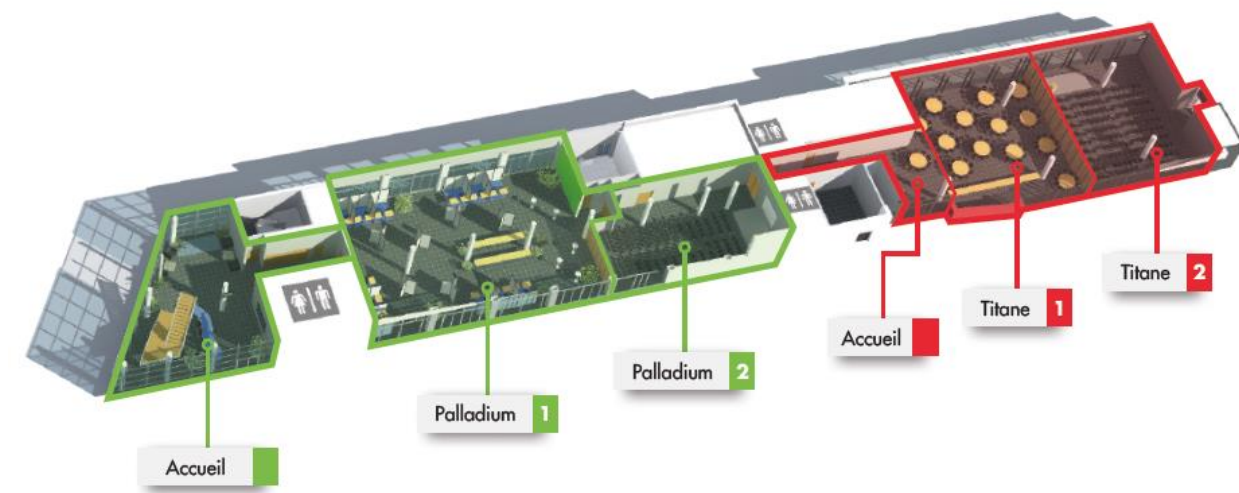
- Palladium 1 & Titane 1 – level 0

Gala Dinner:

- Wednesday, 9th
- La Bastille - Salle Lesdiguieres
- Cable-car departure from 7:00 to 8:00 pm
- Access information available on the invitation card

For any enquiry:

- Main entrance desk
- Supervisor of the conference room
- Gaelle Charlier





OPENING SESSION – Chairman: Dr Francois TARDIF

1:30pm – 2:00pm

Welcome & Practical Information

2:00pm – 2:30pm

Nanosafety research trends for the next decade impulsed by European Commission

Georgios Katalagarianakis, European Commission, Belgium

2:30pm – 3:00pm

Revue on nanotoxicology progress for urban and manufactured nanoparticles

Flemming Cassee, RIVM, The Netherlands

3:00pm – 3:30pm

Using toxicology to benefit innovation and development

Vicki Stone, HWU, Great Britain

3:30pm – 4:00pm

Applications of nanotechnology to medicine: recent developments, challenges and perspectives

Simona Mura, Paris-Sud University, France