



# **International School of Nuclear Law**

**Montpellier, France**

**21 August – 1 September 2017**

## **Programme**

**Nuclear Energy Agency  
Organisation for Economic Co-operation  
and Development**

**University of Montpellier  
Montpellier, France**

## **ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT**

The OECD is a unique forum where the governments of 35 democracies work together to address the economic, social and environmental challenges of globalisation. The OECD is also at the forefront of efforts to understand and to help governments respond to new developments and concerns, such as corporate governance, the information economy and the challenges of an ageing population. The Organisation provides a setting where governments can compare policy experiences, seek answers to common problems, identify good practice and work to co-ordinate domestic and international policies.

The OECD member countries are: Australia, Austria, Belgium, Canada, Chile, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea, Latvia, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, the Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, the United Kingdom and the United States. The European Commission takes part in the work of the OECD.

OECD Publishing disseminates widely the results of the Organisation's statistics gathering and research on economic, social and environmental issues, as well as the conventions, guidelines and standards agreed by its members.

## **NUCLEAR ENERGY AGENCY**

The OECD Nuclear Energy Agency (NEA) was established on 1 February 1958. Current NEA membership consists of 31 member countries: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Korea, Luxembourg, Mexico, the Netherlands, Norway, Poland, Portugal, Russia, the Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, the United Kingdom and the United States. The European Commission also takes part in the work of the Agency.

The mission of the NEA is:

- to assist its member countries in maintaining and further developing, through international co-operation, the scientific, technological and legal bases required for a safe, environmentally friendly and economical use of nuclear energy for peaceful purposes, as well as
- to provide authoritative assessments and to forge common understandings on key issues, as input to government decisions on nuclear energy policy and to broader OECD policy analyses in areas such as energy and sustainable development.

Specific areas of competence of the NEA include the safety and regulation of nuclear activities, radioactive waste management, radiological protection, nuclear science, economic and technical analyses of the nuclear fuel cycle, nuclear law and liability, and public information.

The NEA Data Bank provides nuclear data and computer program services for participating countries. In these and related tasks, the NEA works in close collaboration with the International Atomic Energy Agency in Vienna, with which it has a Co-operation Agreement, as well as with other international organisations in the nuclear field.



## **UNIVERSITY OF MONTPELLIER**

The University of Montpellier is a direct descendant of the very first university in 12<sup>th</sup> century Montpellier that offered courses in medicine and law.

Today, “UM” is a multidisciplinary university, comprised of nine faculties, six institutes and two schools that offers broad and diverse opportunities for teaching, learning, development and research. Students have the opportunity to choose from a broad range of course options that have been designed to prepare students for the challenges of the 21<sup>st</sup> century.

UM offers Bachelor Degrees in three areas:

- Law, Economics, Management
- Science, Technology, Health
- Sports and Exercise Science and Technology

UM also offers Master Degrees in two areas:

- Law, Economics, Management
- Science, Technology, Health

In addition to these diploma programs, UM offers post-graduate education and training through SFC (*Service de formation continue*). The SFC of the University of Montpellier is also responsible for administering the International School of Nuclear Law with the Nuclear Energy Agency.

# Welcome

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Dear colleague,

Welcome to the International School of Nuclear Law. We hope that the programme we have designed will exceed your expectations.

The International School of Nuclear Law was established by the Nuclear Energy Agency in co-operation with the University of Montpellier in 2001 and continues to benefit from the support of the International Atomic Energy Agency.

If you have any questions, comments or concerns now or in the future regarding the International School of Nuclear Law, please contact one of us directly.

Thank you for your participation and we hope that you enjoy your time in Montpellier.

Best regards,

*Ximena Vásquez-  
Maignan*  
Head  
Office of Legal Counsel,  
Nuclear Energy Agency

*Laurence Weil*  
Director of SFC  
University of Montpellier

*Paul Bowden*  
Programme Leader  
Partner  
Freshfields Bruckhaus  
Deringer LLP  
London, United Kingdom

# General Information

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**Staff contact (in case of emergency):** +33 (0)6 75 24 83 42  
(within France, dial 06 75 24 83 42)

## LOCATION OF ISNL LECTURE HALL

University of Montpellier  
Espace Richter  
Building B  
Rue Vendémiaire

## GENERAL MONTPELLIER INFORMATION

Office of Tourism website: [www.montpellier-france.com/](http://www.montpellier-france.com/)

## LUNCH

Lunch will not be provided as part of the ISNL programme. Several restaurants and cafes are located within a short walking distance from the lecture hall.

## ISNL EVENTS

**Monday, 21 August** – *for participants and lecturers only*  
Welcome Reception at the University of Montpellier (5:30pm)

**Wednesday, 30 August**  
ISNL Dinner at Le Grillardin (7:00pm)

**Friday, 1 September**  
Graduation and Reception (2:00pm)

## OPTIONAL SOCIAL EVENTS AND EXCURSIONS

**Sunday, 20 August**  
Opening Social at Le Comptoir de l'Arc (6:00pm)

**Wednesday, 23 August**  
Guided Tour of Montpellier: meet outside Office of Tourism (*Office de Tourisme*) on the Place de la Comédie (6:30pm)

**Thursday, 24 August**  
Informal Happy Hour at the Atys Café (5:15pm)

**Saturday, 26 August**  
Bus excursion to Avignon and the Pont du Gard (departure at 9:00am)

**Monday, 28 August**  
Informal Happy Hour at the Atys Café (5:15pm)

# Monday 21 August 2017

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## Introduction to Nuclear Law

- 9:00am **Welcoming and Opening Remarks**  
*Ximena Vásquez-Maignan and Paul Bowden*
- 9:15am **Introduction to Nuclear Law (Part 1)**  
*Ximena Vásquez-Maignan*
- 10:00am **Introduction to Nuclear Law (Part 2: the Organisations, Treaties and Conventions)**  
*Kimberly S. Nick*
- 10:45am Coffee Break
- 11:00am **The Role of International Institutions**
  - *International Atomic Energy Agency: Peri Lynne Johnson*
- 12:00pm Lunch Break
- 1:00pm **The Role of International Institutions**
  - *Nuclear Energy Agency: Ximena Vásquez-Maignan*
  - *European Atomic Energy Community: Wolfgang Kilb*
- 2:30pm Coffee Break
- 2:45pm **Nuclear Fuel Cycle and the Economics of Nuclear Energy**  
*Henri Paillère*
- 4:00pm **Keynote Address and Q&A**  
*Director-General William D. Magwood, IV*
- 5:00pm **History of the International School of Nuclear Law**  
*Patrick Reyners*
- 5:15pm **International Nuclear Law Association**  
*Marc Beyens and Patrick Reyners*
- 5:30pm **Welcome Reception**  
*Hosted by the University of Montpellier*

# Tuesday 22 August 2017

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## Radiation Protection / Regulation and Licensing

- 9:00am     **Health Risks of Ionising Radiation**  
*Abel Gonzalez*
- 10:30am    Coffee Break
- 10:45am    **International Radiological Protection Standards**  
*Ted Lazo*
- 11:45am    **Panel Discussion: Radiation Protection**  
*Abel Gonzalez and Ted Lazo*
- 12:15pm    Lunch Break
- 1:30pm     **Nuclear Regulatory Activities: The Regulator's Perspective**  
*Commissioner Stephen G. Burns*
- 2:45pm     Coffee Break
- 3:00pm     **Nuclear Regulatory Activities: The Industry's Perspective**  
*Christian Raetzke*
- 4:15pm     **Nuclear Regulatory Activities: Uranium**  
*Lisa Thiele*
- 5:00pm     **Preview and End of Classes**

*Please sign up for the optional Saturday excursion by the end of the day today.  
\*Family members welcome, as space allows\**

# Wednesday 23 August 2017

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## Emergency Management / Nuclear Safety

9:00am **Nuclear and Radiological Emergency Management**

*Ted Lazo*

10:00am **Three Mile Island, Chernobyl and Fukushima:  
Impacts on Nuclear Law**

*Commissioner Stephen G. Burns*

11:00am Coffee Break

11:15am **The Convention on Nuclear Safety**

*Carlton Stoiber*

12:15pm Lunch Break and Preparation for Case Study

1:45pm **Nuclear Safety Culture**

*Kimberly S. Nick and Kamishan Martin*

2:45pm **Case Study: Nuclear Safety Culture**

*Kimberly S. Nick (with Commissioner Stephen G. Burns, Carlton Stoiber, Christian Raetzke, Lisa Thiele and Kamishan Martin)*

3:45pm Coffee Break

4:00pm **Panel Discussion: Nuclear Safety**

*Commissioner Stephen G. Burns, Carlton Stoiber, Christian Raetzke and Lisa Thiele*

5:00pm **Preview and End of Classes**

6:30pm **Guided Walking Tour of Montpellier**

*Departing from the Office of Tourism (Office de Tourisme) on the Place de la Comédie at 18:30.*

*\*Family members welcome\**



# Thursday 24 August 2017

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## Environmental Protection / Radioactive Waste Management

- 9:00am **Environmental Law and Nuclear Activities**  
*Sam Emmerechts*
- 10:15am Coffee Break
- 10:30am **Environmental Impact Assessments in the Nuclear Field**  
*Jorma Aurela*
- 11:45am **Panel Discussion: Environmental Protection**  
*Christian Raetzke, Sam Emmerechts and Jorma Aurela*
- 12:15pm Lunch Break and Preparation for Workshop
- 2:00pm **Workshop: Safety and Environmental Protection**  
*Commissioner Stephen G. Burns, Wolfram Tonhauser, Carlton Stoiber, Christian Raetzke, Sam Emmerechts and Jorma Aurela*
- 3:15pm Coffee Break
- 3:30pm **Radioactive Waste Management and Decommissioning**  
*Gloria Kwong*
- 5:00pm **Preview and End of Classes**
- 5:15pm **Informal Happy Hour**  
*Atys Café*  
5 Place de la Révolution française  
34000 Montpellier

# Friday 25 August 2017

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## Joint Convention / Decommissioning

- 9:00am     **The Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management**  
*Wolfram Tonhauser*
- 10:30am     Coffee Break
- 10:45am     **Legal Issues Related to Decommissioning and Decommissioning Financing**  
*Marc Beyens and Godelieve Vandeputte*
- 12:15am     Lunch Break and Preparation for Review Meeting
- 2:00pm     **Workshop: Mock Joint Convention Review Meeting**  
*Wolfram Tonhauser and Odette Jankowitsch-Prevor (with Marc Beyens and Godelieve Vandeputte)*
- 3:30pm     Coffee Break
- 3:45pm     **Open Forum / Teaching Session**  
*Paul Bowden and Kimberly S. Nick*
- 4:30pm     **Diploma Requirements**  
*Kimberly S. Nick*
- 5:00pm     **Preview and End of Classes**

# Saturday 26 August 2017

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## Optional Excursion

Please sign up for this event by the end of the day on **Tuesday, 22 August**

*\*There is no cost for the trip to Avignon and the Pont du Gard or the tours\**

*\*Family members welcome, as space allows\**

9:00am **Departure from Montpellier**

10:30am **Arrival at Avignon**

Free time to have lunch on your own and do some shopping

*\*Lunch **will not** be provided as part of the excursion. You will find many options for lunch in town.\**

1:00pm **Guided walking tour of Avignon**

Information available at:

[www.avignon-tourisme.com/home-1-2.html](http://www.avignon-tourisme.com/home-1-2.html)

4:00pm **Departure from Avignon**

4:30pm **Arrival at the Pont du Gard** (a UNESCO World Heritage Site) **and self-guided tour**

Information available at:

[www.pontdugard.fr/en](http://www.pontdugard.fr/en)

[Note: It is possible to swim at the Pont du Gard. If you plan to swim, bring a bathing suit, towel and sunscreen.]

6:30pm **Departure from the Pont du Gard**

7:30pm **Approximate time of arrival in Montpellier**

# Sunday 27 August 2017

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**Free Day**

# Monday 28 August 2017

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## Transportation / Nuclear Security

9:00am **International Regulatory Framework Governing the Safe and Secure Transport of Nuclear and Radiological Materials**  
*Guenther Schwarz*

10:15am Coffee Break

10:30am **Transport in Practice**  
*Khalil Bukhari*

11:30am **The Global Legal Framework Against Nuclear Terrorism**  
*Walter Gehr*

1:00pm Lunch Break

2:15pm **Physical Protection and Illicit Trafficking of Nuclear Materials**  
*Carlton Stoiber*

3:15pm Coffee Break

3:30pm **The Code of Conduct on the Safety and Security of Radioactive Sources**  
*Stephen Evans*

5:00pm **Preview and End of Classes**

5:15pm **Informal Happy Hour**  
Atys Café  
5 Place de la Révolution française  
34000 Montpellier

*Please sign up for the Wednesday night ISNL dinner  
by the end of the day today.*

# Tuesday 29 August 2017

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## Non-Proliferation / Safeguards

9:00am	<b>Treaty on the Non-Proliferation of Nuclear Weapons</b> <i>Carlton Stoiber</i>
10:00am	Coffee Break
10:15am	<b>Systems of Security Control: The IAEA Safeguards System</b> <i>Cristian DeFrancia</i>
11:45am	Lunch Break and Preparation of Case Study
1:30pm	<b>Case Study: The IAEA Safeguards System</b> <i>Cristian DeFrancia</i>
2:30pm	Coffee Break
2:45pm	<b>Comprehensive Nuclear-Test-Ban Treaty</b> <i>George Moore</i>
3:45pm	Coffee Break
4:00pm	<b>Panel Discussion: Nuclear Security and Safeguards</b> <i>Carlton Stoiber, Cristian DeFrancia and George Moore</i>
5:00pm	<b>Preview and End of Classes</b>

# Wednesday 30 August 2017

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## Liability and Compensation / Insurance

9:00am **Liability and Compensation for Nuclear Damage**  
*Julia Schwartz*

10:15am Coffee Break

10:30am **Nuclear Civil Liability in Practice**  
*Ximena Vásquez-Maignan*

11:45am **Insurance of Nuclear Risks**  
*Sebastiaan Reitsma and Mark Tetley*

12:45pm Lunch Break and Preparation of Case Study

2:15pm **Insurance of Nuclear Risks (con't)**  
*Sebastiaan Reitsma and Mark Tetley*

3:00pm **Case Study: Nuclear Civil Liability**  
*Ximena Vásquez-Maignan and Julia Schwartz*

4:00pm Coffee Break

4:15pm **Panel Discussion: Nuclear Civil Liability and Compensation + Insurance of Nuclear Risks**  
*Ximena Vásquez-Maignan, Julia Schwartz, Sebastiaan Reitsma, Mark Tetley, Ákos Frank and Will Fork*

5:15pm **Preview and End of Classes**

7:00pm **ISNL dinner at “Le Grillardin”**  
3 Place Chapelle Neuve  
34000 Montpellier  
[www.restaurantlegrillardin.com](http://www.restaurantlegrillardin.com)  
*Please sign up for the dinner by the end of the day on Monday.*  
*\*Family members welcome\**

# Thursday 31 August 2017

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## International Trade / Project Development

- 9:00am     **International Nuclear Trade Control**  
*Quentin Michel*
- 10:30am    Coffee Break
- 10:45am    **International Nuclear Trade Control (con't)**  
*Quentin Michel*
- 12:00pm    Lunch Break
- 1:30pm     **Nuclear Project Development: Contracting Issues  
in Context**  
*Ákos Frank and William Fork*
- 4:00pm     Coffee Break
- 4:15pm     **Discussion: Keys to International Nuclear Law**  
*Paul Bowden and Kimberly S. Nick*
- 5:00pm     **Preview and End of Classes**

# Friday 1 September 2017

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## Current Issues in International Nuclear Law

9:00am **Nuclear New Build in New Entrant Countries –  
the United Arab Emirates**

*Jacques Lavoie*

10:00am Coffee Break

10:15am **Nuclear New Build in New Entrant Countries**

*Ahab Abdel-Aziz*

11:15am **Question Time**

12:15pm **End of ISNL**

12:30pm Lunch Break and Travel to the Cloister

2:00pm **Graduation and Reception**

Cloister (cloître) of the University of Montpellier  
School of Law (Faculté de droit de Montpellier)  
39 rue de l'Université  
34000 Montpellier