

# WEFE Nexus and its socio-economic implications: what lies ahead?

## FOURTH DIGITAL DAY

**7-8  
March  
2024**



1924  
2024

### March 7th

10:00 A.M  
SESSION I

::// **Socio-Economic  
Ecosystems**

12:00 P.M.  
SESSION II

::// **Scientific  
Ecosystems**

2:00 P.M.  
SESSION III

::// **Supply  
Ecosystems**

4:00 P.M.  
SESSION IV

::// **Digitalized  
Ecosystems**

### March 8th

10:00 P.M.  
SESSION V

::// **Innovative  
Ecosystems**

12:00 P.M.  
SESSION VI

::// **National  
Ecosystems**

2:00 P.M.  
SESSION VII

::// **Interrelated  
Ecosystem**

4:00 P.M.  
SESSION VIII

::// **Biosystems**



GMT +1

CON IL PATROCINIO DEL  
 Consiglio Nazionale Forense

in association with



March 7<sup>th</sup>

DIE JURNADA GLOBALNY DE LES LIBERTIES  
TECNOLOGICHE: PARA A DIGITAL HUMANISMUS

# FOURTH DIGITAL DAY



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

**DSG**  
DIPARTIMENTO DI  
SCIENZE GIURIDICHE  
ECONOMICHE E STATISTICHE



WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
AND ITS SOCIO-ECONOMIC IMPLICATIONS WHAT LIES AHEAD?

Welcome addresses

9:15 a.m.  
GMT +1



**Irene Stolzi**

LEGAL STUDIES AT UNIVERSITÀ DEGLI STUDI DI FIRENZE – HEAD OF THE DEPARTMENT



**Alvyda Usinskaite**

HARVARD LAW SCHOOL ASSOCIATION OF EUROPE – PRESIDENT



**Chiara Fenoglio**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – REPRESENTATIVE OF THE STUDENTS



**Mahmoud A. Momtaz**

EGYPTIAN COMPETITION AUTHORITY – CHAIRMAN



**José Ramón Bauzá Díaz**

MEMBER OF THE EUROPEAN PARLIAMENT

Opening remarks

9:45 a.m.  
GMT +1



**Lucia Serena Rossi**

EUROPEAN COURT OF JUSTICE – JUDGE

March 7<sup>th</sup>

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WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
AND ITS SOCIO-ECONOMIC IMPLICATIONS WHAT LIES AHEAD?

**SESSION I**  
GMT +1 10:00 a.m.

## WEFE NEXUS AND SOCIO-ECONOMIC ECOSYSTEMS

Welcome addresses



**Cristina Pereteatcu**

SECRETARY OF STATE OF MOLDOVA

Moderator



**Ettore M. Lombardi**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR

*Environmental law  
and Water-Energy-Food-Ecosystem Nexus*

**Kari Kuusiniemi**

SUPREME ADMINISTRATIVE COURT OF FINLAND – PRESIDENT



*Contested securities: law, environmental markets  
and regulating the WEFE Nexus*

**Cameron Holley**

UNIVERSITY OF NEW SOUTH WALES – PROFESSOR AND HEAD OF SCHOOL OF LAW, SOCIETY AND CRIMINOLOGY



*WEFE Nexus for a sustainable future:  
the role and experience of FAO*

**Maria Michela Morese**

FAO – SENIOR NATURAL RESOURCES OFFICER AND ENERGY TEAM LEADER



*Building a domestic and international  
hydrogen economy in China*

**Xiangyu Meng**

TSINGHUA UNIVERSITY INNOVATION CENTRE – VICE DIRECTOR OF LAB OF LOW CARBON POLICY INVESTIGATION



*Environmental protection between nudging  
and private enforcement*

**Enrico Al-Mureden**

UNIVERSITÀ DI BOLOGNA – PROFESSOR



11:30 a.m. — 12:00 p.m.

### Q&A session



**Alysia Pessolano**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – STUDENT



**Nicola Rumine**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – POST-DOCTORAL FELLOW



March 7<sup>th</sup>

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WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
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**SESSION II**  
GMT +1 12:00 p.m.

**WEFE NEXUS AND SCIENTIFIC ECOSYSTEMS**

Welcome addresses



**Giovanni Tartaglia Polcini**

INTERNATIONAL ANTI-CORRUPTION ACTIVITIES  
MINISTRY OF FOREIGN AFFAIRS AND INTERNATIONAL COOPERATION – COORDINATOR

Moderator



**Claudio Lombardi**

UNIVERSITY OF ABERDEEN SCHOOL OF LAW – LECTURER IN LAW

*Alternative configurations: industrial policy,  
competition, and trade in food and agriculture*

**Dina Waked**

SCIENCESPO LAW SCHOOL – PROFESSOR



*AI governance and regulation in China*

**Fu Hongyu**

ALIBABA RESEARCH INSTITUTE – DEPUTY DIRECTOR OF DIGITAL ECONOMY RESEARCH CENTER



*AI4SDG: challenges and future reforms*

**Kai Jia**

UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA  
SCHOOL OF PUBLIC ADMINISTRATION – PROFESSOR



*Digital instruments in the wine industry*

**Maria Katharina Rauchenberger**

RUFFINO S.R.L. – LEGAL AND COMPLIANCE DIRECTOR



*Integral ecological development  
and the algorithm of longevity*

**Sara Roversi**

FUTURE FOOD INSTITUTE AND PAIDEIA CAMPUS – PRESIDENT



1:30 p.m. — 2:00 p.m.

**Q&A session**



**Matteo Vitale**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – STUDENT



**Francesco Macrí**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – RESEARCHER

March 7<sup>th</sup>

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**WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
AND ITS SOCIO-ECONOMIC IMPLICATIONS WHAT LIES AHEAD?**

**SESSION III**  
GMT +1 2:00 p.m.

## WEFE NEXUS AND SUPPLY ECOSYSTEMS

Welcome addresses



**Claudio Scognamiglio**

UNIVERSITÀ DI ROMA TOR VERGATA – PROFESSOR  
ASSOCIAZIONE CIVILISTI ITALIANI – PRESIDENT

Moderator



**Georgia Magno**

GENERAL COUNSEL TURBOMACHINERY AND PROCESS SOLUTIONS AT BAKER HUGHES – VICE PRESIDENT

*Access to water and potential impact  
on market outcomes in agriculture markets*

**Hardin Ratshisusu**

COMPETITION COMMISSION OF SOUTH AFRICA – DEPUTY COMMISSIONER



*Regulating hydrogen and integrating it  
into the energy system: the technology challenges*

**Ilaria Conti**

HEAD OF GAS AT THE FLORENCE SCHOOL OF REGULATION AT EUI



*The rights to food and water under the threat  
of climate change: lesson from Daniel Billy  
and others v. Australia*

**Laura Magi**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR



*Social welfare and non-personal data:  
optimal legal framework*

**Vikas Kathuria**

BML MUNJAL UNIVERSITY – PROFESSOR



*WEFE Nexus and EU ESG laws: any intersection?*

**Gaetano Vittoria**

MCDONALD'S – GLOBAL DIRECTOR, GLOBAL BUSINESS COUNSEL/ESG AND NORDIC REGIONAL COUNSEL



3:30 p.m. — 4:00 p.m.

**Q&A session**



**Antonio Carlucci**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – STUDENT



**Marco Rizzuti**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – RESEARCHER



March 7<sup>th</sup>

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**SESSION IV**  
GMT +1 4:00 p.m.

## NEXUS AND DIGITALIZED ECOSYSTEMS

Welcome addresses



**Kristjan Verbič**

PANSLOVENIAN SHAREHOLDERS' ASSOCIATION – PRESIDENT

Moderator



**Sherry Levin Wallach**

NEW YORK BAR ASSOCIATION – PRESIDENT

*Red, white, and blue ... and also green:  
how energy policy can protect  
both national security and the environment*

**David Schizer**

COLUMBIA SCHOOL OF LAW – DEAN EMERITUS



*AI and big data to manage  
extreme hydrological events due to climate change*

**Asit K. Biswas**

WATER MANAGEMENT INTERNATIONAL PTE LTD – DIRECTOR



*Law and artificial intelligence:  
legal datasets as boundaries for generative AIs*

**Fabiano Hartmann**

UNIVERSIDADE DE BRASÍLIA – PROFESSOR



*Features of water and food as things*

**Antonio Bellizzi di San Lorenzo**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR



*Environmental protection between nudging  
and private enforcement*

**Lucila I.M. Hemmingsen**

KINGS & SPALDING – PARTNER



*Green technology innovations: paving the way  
for a more sustainable future in the digital era*

**Carrie Kings Gaard**

CARRIE GAARD BUREAU – FOUNDER



5:45 p.m. — 6:15 p.m.

### Q&A session



**Ricard Bado**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – STUDENT



**Marco Cecchi**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – POST-PHD FELLOW

6:15 p.m. — 6:30 p.m.

### Closing remarks



**Emily M. Broad Leib**

CLINICAL PROFESSOR OF LAW - DIRECTOR, CENTER FOR HEALTH LAW AND POLICY INNOVATION  
DIRECTOR, FOOD LAW AND POLICY CLINIC

March 8<sup>th</sup>

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Welcome addresses

9:15 a.m.  
GMT +1



**Alessandro Simoni**

UNIVERSITÀ DEGLI STUDI DI FIRENZE SCHOOL OF LAW – DEAN



**Federica Helferich**

UNIVERSITÉ DE CORSE PASQUALE PAOLI – POST-DOCTORAL RESEARCHER



**Dorina Hoxha**

FACULTY OF LAW OF THE UNIVERSITY OF TIRANA – DEAN



**Jason Houston**

GONZAGA UNIVERSITY IN FLORENCE – DEAN



**Teresa Moreira**

HEAD OF THE COMPETITION AND CONSUMER POLICIES BRANCH – UNITED NATIONS



**Niranjan Reddy**

MEMBER OF THE INDIAN PARLIAMENT

Opening remarks

9:45 a.m.  
GMT +1



**Maria Chiara Malaguti**

UNIDROIT – PRESIDENT

March 8<sup>th</sup>

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WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
AND ITS SOCIO-ECONOMIC IMPLICATIONS WHAT LIES AHEAD?

**SESSION V**  
GMT +1 10:00 a.m.

## WEFE NEXUS AND INNOVATIVE ECOSYSTEMS

Welcome addresses



**Stefano Pagliantini**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR

Moderator



**Alessandra De Luca**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR

*Competition law and sustainability  
of the Global Food Value Chains:  
the case of Global Grain Trade*

**Alexey Ivanov**

BRICS COMPETITION LAW AND POLICY CENTRE – DIRECTOR



*WEFE Nexus and the role of legal principles  
and international law*

**Mads Andenas**

UNIVERSITY OF OSLO – PROFESSOR



*Food supply chain and its contracts:  
juridical perspective and issues*

**Marcello Maggiolo**

UNIVERSITÀ DI PADOVA – PROFESSOR



*Introduction of China's  
environmental law code legislation*

**Gu Gong**

PEKING UNIVERSITY LAW SCHOOL – PROFESSOR



*The biodiversity r-evolution: legal perspectives  
on innovation, social impact,  
and economic implications in conservation*

**Eliana Bejarano**

BEAMAZ – CEO



11:30 a.m. — 12:00 p.m.

**Q&A session**



**Margherita Compagnucci**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – STUDENT



**Leonardo Dani**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – POST-PHD FELLOW



March 8<sup>th</sup>

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WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
AND ITS SOCIO-ECONOMIC IMPLICATIONS WHAT LIES AHEAD?

SESSION VI  
GMT +1 12:00 p.m.

### WEFE NEXUS AND NATIONAL ECOSYSTEMS

Welcome addresses



**Pietro Galizzi**

ENI PLENITUDE S.P.A. SOCIETÀ BENEFIT – HEAD OF LEGAL, REGULATORY AND COMPLIANCE AFFAIRS

Moderator



**Stefano Dorigo**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR

*Comparison and environmental  
sustainable development*

**Silvia Sassi**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR



*Digital commons: its origin, shape  
and outcome from a chinese perspective*

**Ling Hu**

PEKING UNIVERSITY – PROFESSOR



*Gobardhan: galvanizing organic  
bio-agro resources Dhan*

**Ilangovana Angaiah**

ENERGY STORAGE TECHNOLOGIES – STRATEGIC TECHNICAL ADVISER



*The Renaissance Dam and the egyptian case*

**Mohamed Hassanein**

EIATTAR LAW FIRM – CO-FOUNDER AND PARTNER



*The biodiversity r-evolution: legal perspectives  
on innovation, social impact,  
and economic implications in conservation*

**Meritxell Font Vilagines**

REPRESENTATIVE OF ANDORRA AT THE UNITED NATIONS



1:30 p.m. — 2:00 p.m.

#### Q&A session



**Elisa Rossi**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – STUDENT



**Emanuele De Napoli**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – PHD CANDIDATE

March 8<sup>th</sup>

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WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
AND ITS SOCIO-ECONOMIC IMPLICATIONS WHAT LIES AHEAD?

**SESSION VII**  
GMT +1 2:00 p.m.

## WEFE NEXUS AND INTERRELATED ECOSYSTEMS

Welcome addresses



**Sandra Annette Booyen**

CBFL – DEPUTY DIRECTOR

Moderator



**Nicole Lazzerini**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR

*The Norwegian report on nature-related risks:  
main takeaways and recommendations*

**Trude Myklebust**

UNIVERSITY OF OSLO – PROFESSOR



*Harmonizing resources: leveraging the WEFE Nexus  
to combat desertification*

**Pradeep Monga**

UNITED NATIONS CONVENTION TO COMBAT DESERTIFICATION – FORMER DEPUTY EXECUTIVE SECRETARY



*The digital Euro Package of June 2023*

**Thierry Bonnaeu**

UNIVERSITÉ PANTHÉON-ASSAS – PROFESSOR



*Interface of IP and competition with WEFE Nexus:  
some reflections from India*

**Ujjwal Kumar**

CUTS INTERNATIONAL – ASSOCIATE DIRECTOR AND CUTS-CCIER – DEPUTY HEAD



*From the CSR to WEFE Nexus  
approach through sustainability perspective?*

**Guglielmo Bevivino**

UNIVERSITÀ DI MILANO "BICOCCA" – PROFESSOR



3:30 p.m. — 4:00 p.m.

### Q&A session



**Diletta Lenzi**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – RESEARCHER



**Anna Berti Suman**

EUROPEAN COMMISSION JOINT RESEARCH CENTRE – PRINCIPAL INVESTIGATOR



March 8<sup>th</sup>

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WATER-ENERGY-FOOD-ECOSYSTEM NEXUS (WEFE NEXUS)  
AND ITS SOCIO-ECONOMIC IMPLICATIONS WHAT LIES AHEAD?

SESSION VIII  
GMT +1 4:00 p.m.

### WEFE AND BIOSYSTEMS

Welcome addresses



**Fernanda Delgado**

ABIHV, BRAZILIAN GREEN HYDROGEN INDUSTRY ASSOCIATION – CEO

Moderator



**Juan Javier Negri**

NEGRI AND PUEYRREDON ABOGADOS – PARTNER

*Policy interventions for extreme droughts*

**Cecilia Tortajada**

SCHOOL OF SOCIAL AND ENVIRONMENTAL SUSTAINABILITY, UNIVERSITY OF GLASGOW  
PROFESSOR IN PRACTICE IN ENVIRONMENTAL INNOVATION



*Sustainable procurement process  
and new implication of EU deforestation regulation*

**David Brussa**

ILLY CAFFÈ – TOTAL QUALITY AND SUSTAINABILITY DIRECTOR



*Internet of things and public utilities:  
efficiency vs. surveillance?*

**Giuseppe Mobilio**

UNIVERSITÀ DEGLI STUDI DI FIRENZE – PROFESSOR



*The energy crisis: what happened  
and what will happen?  
What are the relations with the energy transition?*

**Pietro Rabassi**

NORD POOL AS – EXECUTIVE VICE PRESIDENT



*Shaping a sustainable future by transitioning  
towards a circular, inclusive and digital economy*

**Percy Koji**

AFRICA ECONOMIC LEADERSHIP COUNCIL – PRESIDENT



*ADR and sustainability: resolving disputes  
in the water-energy-food-ecosystems Nexus*

**Marcello Marinari**

ABF BOLOGNA – PRESIDENT



5:45 p.m. — 6:15 p.m.

**Q&A session**



**Ilaria Forestieri**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – POST-DOCTORAL RESEARCHER



**Carlo Botrugno**

DEPARTMENT OF LEGAL STUDIES OF THE UNIVERSITÀ DEGLI STUDI DI FIRENZE – POST-DOCTORAL RESEARCHER

6:15 p.m. — 6:30 p.m.

**Closing remarks**



**Rosa Maria Lastra**

QUEEN MARY UNIVERSITY OF LONDON