



European Region

UNITED NATIONS  
ECONOMIC COMMISSION  
FOR EUROPE

WORLD HEALTH  
ORGANIZATION  
REGIONAL OFFICE FOR  
EUROPE

Meeting of the Parties to  
the Protocol on Water and Health  
to the Convention on the Protection  
and Use of Transboundary  
Watercourses and International Lakes

Sixth session  
Geneva, 16–18 November 2022  
Item 9 of the provisional agenda  
Compliance procedure

MOP6/WH/2022/INF.7

**LIST OF NOMINATED CANDIDATES FOR THE COMPLIANCE COMMITTEE,  
TOGETHER WITH CURRICULA VITAE AND SUPPORTING  
DOCUMENTATION**

**Prepared by the joint secretariat**

At its sixth session, the Meeting of the Parties to Protocol on Water and Health is expected to elect 5 members of the Compliance Committee **for a full term of office, namely 6 years**, and replace 1 member nominated by Portugal **for a half term of office, namely 3 years**, in accordance with the procedure set out in Decision I/2 on review of compliance (see document ECE/MP.WH/2/Add.3–EUR/06/5069385/1/Add.3).

The members of the Committee shall be persons of high moral character and have recognized expertise in the fields to which the Protocol relates, including legal and/or technical expertise. In the election of the Committee, consideration should be given to the geographical distribution of membership and to diversity of experience and expertise (decision I/2, annex, para. 5). The members of the Committee serve in their personal capacity and objectively.

The list of proposed candidates along with the nominating Party is provided in the table below.

	Nominating Party	Proposed candidate
1.	Azerbaijan	Ms. Gunel Gurbanova
2.	Germany	Ms. Ingrid Chorus
3.	Hungary	Ms. Ildikó Bodgál
4.	Norway	Mr. Gian Luca Burci
5.	Portugal	Mr. António Carmona Rodrigues
6.	Switzerland	Mr. Jorge Viñuales

The nominations, together with curricula vitae and supporting documentation, can be found in annex to this document.

Ms. Ingrid Chorus and Mr. Jorge Viñuales previously served as members of the Committee.

The elections will be governed by the rules of procedure for meetings of the Parties to the Protocol (ECE/MP.WH/2/Add.1–EUR/06/5069385/1/Add.1), i.e. by secret ballot, unless, in the absence of any objection, the Meeting of the Parties decides to proceed without taking a ballot on an agreed candidate or slate.

Three members of the Compliance Committee, elected at the fifth session of the Meeting of the Parties will serve a full term, so remaining in office until the seventh session of the Meeting of the Parties to be held in 2025. They are:

1. Mr. Sergei Vinogradov, nominated by Germany;
2. Mr. Morten Nicholls, nominated by Norway;
3. Ms. Anna Tsvietkova, nominated by Ukraine.

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**ANNEX: Details of nominations received**

**Nomination of Ms. Gunel Gurbanova, Azerbaijan**

AZƏRBAYCAN RESPUBLİKASI  
EKOLOGİYA VƏ TƏBİİ  
SƏRVƏTLƏR NAZİRLİYİ



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Joint secretariat

UNECE - WHO/Europe Protocol on Water and Health

Dear Sir/Madam,

We would like to thank you for the invitation for nominations of candidates for the Compliance Committee under the Protocol on Water and Health the Convention on the Protection and Use of Transboundary Watercourses and International Lakes.

Please be informed that the Ministry of Ecology and Natural Resources of the Republic of Azerbaijan has nominated Ms. Gunel Gurbanova, senior biologist of "AzeLab" LLC to attend the abovementioned election.

Please send all related communication to the following address:

Azerbaijan, Baku, H. Aliyev ave. 50

Tel: (+99412) 566 26 10, (+99412) 538 53 81, (+99412) (+99451) 5740167

E-mail: [int.cooperation@eco.gov.az](mailto:int.cooperation@eco.gov.az) ; cc: [gunel-qurbanova-90@mail.ru](mailto:gunel-qurbanova-90@mail.ru)

With best regards,

Emin Garabaghli

Head  
International Cooperation Division

# Curriculum vitae of Ms. Gunel Gurbanova

## RESUME

### GUNEL GURBANOVA

#### Personal Profile

Date of Birth : 01/01/1990  
Gender : Female  
Marital Status : Single  
Nationality : Azerbaijani  
Current Address : Azerbaijan, Baku, Ashig Alasgar 2A  
Mobile : +994-51-574-01-67  
E-mail : [gunel-qurbanova-90@mail.ru](mailto:gunel-qurbanova-90@mail.ru)

#### Language Skills

Language	Speak	Read	Write
Azerbaijan	Fluent	Fluent	Fluent
Russian	Advance	Advance	Advance
English	Fluent	Fluent	Fluent
Turkish	Fluent	Fluent	Advance
France	Elementary	Elementary	Elementary

#### Academic Qualification

- **Doctor of Philosophy. Plant protection**, Azerbaijan Research Institute of Crop Husbandry (2021 till now)
- **MasterDegree. Human and animal physiology**, Azerbaijan State Pedagogical University(2012-2014)
- **Bachelor Degree. Chemistry and Biology**, Sumgayit State University (2007-2012)
- **High School**. School No. 269 named after Rufat Mammadov(1996-2007)

#### Experience Summary

Company	Position	From	Till	Reason
Agrimian Consulting LLC	Expert on plant protection	11.11.2020	Now	-

Ministry of Ecology and Natural Resources(MENR), AzeLab LLC	Lead biologist	21.01.2021	Now	-
MENR, Laboratory Center, Biological Monitoring Laboratory	Lead biologist	01.10.2020	21.01.2021	Closed
MENR, Biological Monitoring Department of the Environmental Pollution Monitoring Center	Senior biologist	01.10.2015	01.10.2020	New upper position
MENR, National Monitoring Department, Methodology Department	Expert	01.10.2014	01.10.2015	New upper position
Azerbaijan Center for the Protection of the Rights of Refugees of IDPs Public Union	Secretary, interpreter-referent	01.01.2008	21.10.2011	Related to education

### **Professional skills - as a hydrobiologist**

- Determination of water quality of rivers and water basins with macrobenthos
- Field monitoring, field protocol compilation, biological sampling (macroinvertebrates, diatoms)
- Sample selection, identification and analysis
- Preparation of water assessment report
- Ecotoxicological analysis of cuttings, drilling muds and sediments with **Pontogammarus maeticus**
- Ecotoxicological analysis of samples taken from streams and man-made waters with **Daphnia magna**
- Species composition of benthic organisms at designated points around the platform and bed of the **Caspian Sea**
- Determination of chlorophyll a in water sample

### **Professional skills - as a microbiologist**

- Determination of **E.coli**, **total coliform** and **enterococcus faecalis** in water

### **Professional skills - as an ecologist**

- Biologist at the United Nations Development Program (**UNDP**) and the Global Environment Facility (**GEF**) Integrated Water Resources Management Project along the Kura River Basin

- Focal Point of the Protocol on Water and Health of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes, **UNECE** and **WHO**
- One of founder of a book published for Target Indicators of the Republic of Azerbaijan in accordance with the Protocol on Water and Health
- European Union Water Initiative Plus Program for Eastern Partnership Countries (**EUWI +**) monitoring of surface water within

### **Trainings Attended**

- ✚ "Water monitoring network and early warning system " Baku Azerbaijan, (2021-08)
- ✚ Shimadzu (AA-7000) Atomic Absorption Model Spectrometer training course Laboratory Center-Baku, Azerbaijan (2020-11)
- ✚ "Methods for detection of viral, fungal and bacterial diseases in meristem plants obtained from in vitro plants and on field seeds" within the framework of the project "Creation of a national system for healthy seed potato production in Azerbaijan" implemented within the framework of FAO-Azerbaijan Partnership Program. Research Institute - Baku, Azerbaijan (2020-03)
- ✚ Surface water quality monitoring, current status of SDG 6.3.2 - Ireland, Cork (2019-03)
- ✚ EUWI + Chemical, Hydromorphological and Biological Sampling Methods in Surface Waters for Azerbaijan, Armenia and Georgia - Baku, Azerbaijan (2018-09)
- ✚ Civil Service Certificate (classification: administration, type: B, Group: BB, Subgroup: BB2 certificate validity period: 26.11.2023) - Baku, Azerbaijan (2018-11)
- ✚ Training on laboratory internal audit and accreditation process in accordance with ISO 17025 (UNDP-JEF Kur II IWRM Academy) - Baku, Azerbaijan (2018-04)
- ✚ Training on quality management in environmental laboratories (UNDP-JEF Kur II IWRM Academy) - Baku, Azerbaijan (2018-03)
- ✚ Capacity building for the implementation of ISO 17025 for water samples. (UNDP-JEF Kur II IWRM Academy) - Baku, Azerbaijan (2018-02)
- ✚ Identification of transition and coastal water bodies in the pilot area Batumi, Georgia (2017-12)
- ✚ Coastal Zone Management Training, Batumi, Georgia (2016-06)



## Nomination of Ms. Ingrid Chorus, Germany



Federal Ministry  
of Health



Federal Ministry of Health, 53107 Bonn

UNECE - WHO/Europe Protocol on Water and  
Health

Joint Secretariat

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8-14, Av de la Paix

CH-1211 Geneva 10

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Dr. Birgit Mendel

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Bonn, 4. August 2022

AZ 624-4536-37/1

[mailto:protocol.water\\_health@un.org](mailto:protocol.water_health@un.org)

### **Nomination of Dr. Ingrid Chorus to the Compliance Committee under the Protocol on Water and Health**

To Whom it May Concern

With this letter I would like to nominate Dr. Ingrid Chorus as a candidate for the Compliance Committee under the Protocol on Water and Health. Dr. Ingrid Chorus was already a member in the last term and she agreed to carry on with this valuable work for another full term.

Dr. Chorus has wide experience in the field of hygiene of water for human consumption and its safety in the terms of public health. From the very beginning she was involved in the development of the concept of Water Safety Plans, which has now been introduced in the European Drinking Water Directive. Her experience in international collaboration and her sensitive and sophisticated communication skills predestine her to continue the fruitful work under the Protocol.

Thus I trust she would be a very useful member to support signature Parties in reaching their goals, and I am very confident that she has the necessary power and qualifications to continue performing a successful job in the Compliance Committee.

Yours faithfully,

gez. Dr. B Mendel

Dr. Birgit Mendel

Attachment: CV Dr. Ingrid Chorus

## Curriculum vitae of Ms. Ingrid Chorus

### *Curriculum Vitae and Publications of Dr. Ingrid Chorus*

July 2022

#### **Curriculum vitae**

Since 2019	Private consultant on toxic cyanobacterial management for the World Health Organisation, Health Canada and the Greater Beirut Water Supply Project
2008 – 2018	Head of Division <i>Drinking-Water and Swimming-Pool Hygiene</i> of the Federal Environmental Agency of Germany
1992 – 2008	Head of Section <i>Drinking-water Resources and Treatment</i> of the Federal Environment Agency of Germany
1991 – 1992	Senior research scientist at the Institute for Water-, Soil- and Air Hygiene of the Federal Health Agency of Germany
1987 – 1991	Research scientist in the DFG-funded Project "algal-borne taste-and odour substances" at the Institut for Water-, Soil- and Air Hygiene
1981 – 1987	Research scientist at the Free University of Berlin; Faculty of Biology: university teaching contracts; Environmental research contracts for the state of Berlin and for the Federal Environment Agency
Education	1972-1982: Free University, Berlin, Biology. Dissertation on „ <i>Production, respiration, assimilation and net production efficiency of Daphnia longispina from Heiligensee</i> “ (Prof. Tilzer, Technical University Berlin) in the context of the "Ecosystem Study Heiligensee"  1959-1972: Elementary School in Alabama, USA and John-F-Kennedy Highschool, Berlin

#### **Research fields**

Risk-based approaches to managing drinking-water and water used for recreation; resource management and lake restoration; elimination of pathogens and substances through underground filtration; phytoplankton ecology; cyanobacteria and their toxins; algal metabolites

#### **Leading teams for research and for the development of guidance or policy**

Leading a department that combines research with the development of concepts for water management, of policy and of guidance for practitioners

Leading a range of interdisciplinary research teams for projects funded by the German Ministry for Research and Technology (3 projects), the German Research Foundation (2 projects) and the EU (1 project), typically with 3-10 partner institutions

Leading a team of 38 authors from 16 countries for developing WHO guidance on toxic cyanobacteria, including a strong focus on managing catchments and waterbodies

#### **Language skills**

English and German as mother tongues; French on a level sufficient for a rudimentary technical discussion



### **Memberships in scientific societies**

WSA (*Water Science Alliance; member of the leading board*)

SIL (*Societas Internationalis Limnologiae*)

DGL (*German Limnological Society*)

2004 – 2012: Member of the German Research Foundation's Review Board for Water Research which oversees the process of peer review of project proposals

### **Further outreach activities**

Co-editor of *Limnologica* (since 2015)

Support of the World Health Organisation in the rolling revision of the WHO Guidelines for Drinking-water Quality and for Safe Recreational Water Environments

Supervision of diploma-, masters-, and PhD-theses in the context of research projects

Keynote presentations at numerous conferences that present health risks from toxic cyanobacteria in relation to those from other hazards in water, balance risks and benefits of – e.g. – recreational activity in waterbodies with cyanobacteria, and show ways forward in waterbody management to mitigate eutrophication and thus blooms

### **5 most influential papers and books**

Chorus I; Welker M (2021): *Toxic Cyanobacteria in Water: A Guide to Public Health Consequences, Monitoring and Management*. Published on behalf of WHO by CRS Press, London, 839 pp.

This book – in its first edition as well as in the totally revised 2<sup>nd</sup> edition, is by far Ingrid Chorus's most influential publication. It has been quoted more than 4100 times and is regarded as the fundamental textbook on toxic cyanobacteria. This has led to numerous invitations for keynote presentations and discussions on assessing cyanotoxin risks as well as management approaches to mitigate them.

Fastner, J., Beulker, C., Geiser, B., Hoffmann, A., Kröger, R., Teske, K., ... & Chorus, I. (2018). Fatal neurotoxicosis in dogs associated with tycho planktic, anatoxin-a producing *Tychonema* sp. in mesotrophic lake Tegel, Berlin. *Toxins*, 10, 60.

As waterbodies are becoming clearer in the wake of re-oligotrophication, cyanobacteria are increasingly shifting from scum-forming to benthic. Toxic benthic mats that detach and concentrate along shorelines have sporadically killed dogs who appear to be attracted to such rotting material and ingest major amounts. As dog deaths are alarming, interest in toxin concentrations in such material and in the water is pronounced.

Fastner, J., Abella, S., Litt, A., Morabito, G., Vörös, L., Pálffy, K., ... & Chorus, I. (2016). Combating cyanobacterial proliferation by avoiding or treating inflows with high P load — experiences from eight case studies. *Aquatic Ecology*, 50(3), 367-383.

While the number of publications evaluating large data sets covering many lakes, not many time series are available showing the trophic development of individual lakes over several decades. This publication has been well received by others working on restoration projects and in need for information on success factors.

Chorus, I.; Falconer, I.; Salas, H.; Bartram, J. 2000: Health risks caused by freshwater cyanobacteria in recreational waters. *J. Toxicol. Environ. Health* 3, 323 – 347

This publication, also translated into Spanish, was one of the first providing some guidance on assessing health risks from toxic cyanobacteria in waterbodies used for

recreation. It has been quoted more than 540 times and has been used by many practitioners (who often do not publish).

Via-Ordorika, L.; Fastner, J.; Kurmayer, R.; Hisbergues, M.; Dittmann, E.; Komarek, J.; Erhard, M.; Chorus, I. 2004: Distribution of microcystin-producing and non-microcystin-producing *Microcystis* sp. In European freshwater bodies: Detection of microcystins and microcystin genes in individual colonies. *System. Appl. Microbiol.* 27, 592 – 602

This publication was one of the first to assess genotype (i.e. cells containing the genetic code for microcystin production), chemotype (i.e. cells containing microcystin, with MALDI-TOF) and morphotype (i.e. cells classified by their morphological structure with expert support) for individual colonies of *Microcystis* spp. from a range of European countries, showing typical toxin patterns for specific morphotypes across Europe. This was a major step in elucidating microcystin production and clarifying whether it is a constitutive trait of strains with the respective intact genes.

### **Publications since 2000**

#### Books and Documents edited:

- Chorus I, Welker M (2021): Toxic cyanobacteria in water: a guide to their public health consequences, monitoring and management, 858 pp. Taylor & Francis on behalf of WHO.
- Dieter H, Mendel B, Krüger W, Chorus I (2021): Trinkwasser Aktuell. Erich Schmidt Verlag, Berlin
- Rickert B; Chorus I; Schmoll O (2016): Protecting Surface waters for Health: Protecting surface water for health: Identifying, assessing and managing drinking-water quality risks in surface-water catchments. WHO Drinking-water Quality Series,
- Chorus, I. (2005; 2012): Current approaches to Cyanotoxin risk assessment, risk management and regulations in different countries. Federal Environment Agency (Umweltbundesamt), Dessau. 147 pp. <http://www.uba.de/uba-info-medien-e/4390.html>.
- Schmoll O; Howard G; Chilton J; Chorus, I (2006): Protecting Groundwater for Health: Managing the Quality of Drinking-water Sources. WHO Drinking-water Quality Series, IWA Publishing, London 678 pp.
- Chorus I (2001): Cyanotoxins: Occurrence, Causes, Consequences. Springer Publishers Heidelberg 357 pp.
- Chorus I; Bartram J (1999): Toxic Cyanobacteria in Water: A Guide to Public Health Significance, Monitoring and Management. Published on behalf of WHO by E&FN Spon/Chapman & Hall, London, 416 pp.

#### Publications in peer-reviewed journals (chronologically):

- Chorus I, Fastner J, Welker M (2021). Cyanobacteria and cyanotoxins in a changing environment: Concepts, controversies, challenges. *Water*, 13(18), 2463.
- Chorus I, Koehler A, Beulker C, Fastner J, van de Weyer K, Hegewald T, Hupfer M (2020). Decades needed for ecosystem components to respond to a sharp and drastic phosphorus load reduction. *Hydrobiologia*, 847(21), 4621-4651.
- Chorus I, Spijkerman E (2021). What Colin Reynolds could tell us about nutrient limitation, N: P ratios and eutrophication control. *Hydrobiologia*, 848(1), 95-111.
- Fastner, J., Beulker, C., Geiser, B., Hoffmann, A., Kröger, R., Teske, K., ... & Chorus, I. (2018). Fatal neurotoxicosis in dogs associated with tychoplanktic, anatoxin-a producing *Tychonema* sp. in mesotrophic lake Tegel, Berlin. *Toxins*, 10, 60.



- Chernoff, N., Hill, D. J., Chorus, I., Diggs, D. L., Huang, H., King, D., ... & Wood, C. R. (2018). Cylindrospermopsin toxicity in mice following a 90-d oral exposure. *Journal of Toxicology and Environmental Health, Part A*, 81(13), 549-566.
- Fastner, J., Abella, S., Litt, A., Morabito, G., Vörös, L., Pálffy, K., ... & Chorus, I. (2016). Combating cyanobacterial proliferation by avoiding or treating inflows with high P load—experiences from eight case studies. *Aquatic Ecology*, 50(3), 367-383.
- Klitzke, S., J. Schroeder, H.-C. Selinka, R. Szewzyk, and I. Chorus (2015). Attenuation and colloidal mobilization of bacteriophages in natural sediments under anoxic as compared to oxic conditions. *Science of the Total Environment*, 518-519, 130–138.
- Rigosi, A.; P. Hanson; D. P. Hamilton; M. Hipsey; J. A. Rusak; J. Bois; K. Sparber; I. Chorus; A. J. Watkinson; B. Qin; B. Kim and J. D. Brookes (2015): Determining the probability of cyanobacterial blooms: the application of Bayesian networks in multiple lake systems. *Ecological Applications*. 25 (1), S. 186-199
- Frohnert, A.; S. Apelt; S. Klitzke; I. Chorus; R. Szewzyk; H.-C. Selinka (2014): Transport and removal of viruses in saturated sand columns under oxic and anoxic conditions – Potential implications for groundwater protection. *International Journal of Hygiene and Environmental Health*, 217, S. 861-870
- K. Preußel; I. Chorus and J. Fastner (2014): Nitrogen Limitation Promotes Accumulation and Suppresses Release of Cylindrospermopsins in Cells of *Aphanizomenon* Sp. *Toxins*, 6, 2932-2947
- Bas W. Ibelings, Lorraine C. Backer; W. Edwin; A. Kardinaal; I. Chorus (2014): Current approaches to cyanotoxin risk assessment and risk management around the globe: *Harmful Algae* 40, S. 63-74
- Schmoll, O.; I. Chorus; I. Feuerpfeil; H.-C. Selinka; R. Szewzyk (2012): Die Bewertung gesundheitlicher Risiken durch Krankheitserreger im Trinkwasser. *Theoretische Maßstäbe und praktische Konsequenzen. Umweltmed Forsch Prax* 17 (2) 81-95
- Schmoll, O.; Castell-Exner, C., Chorus, I. (2011): From international developments to local practice: Germany's evaluation and dialogue process towards Water Safety Plan implementation. *Water Science & Technology: Water Supply* 11 (4)
- Klitzke, S.; S. Apelt; C. Beusch; C. Weiler; J. Fastner and I. Chorus (2010): The Fate of Cylindrospermopsin and Anatoxin-a during Sediment Passage. In: Official program and abstract book, the 8th International Conference on Toxic Cyanobacteria, p. 30.
- Grützmacher, G.; G. Wessel; S. Klitzke, I. Chorus (2010): Microcystin Elimination during Sediment Contact. *Environm. Sci. Technol.* 44, No. 2, 657-662
- Klitzke, S., S. Apelt, C. Weiler, J. Fastner, and I. Chorus (2010). Retention and Degradation of the cyanobacterial Toxin Cylindrospermopsin in Sediments - The Role of Sediment preconditioning and DOM composition. *Toxicon*, 55, 999 – 1007.
- Hilt, S., van de Weyer, K., Köhler, A., Chorus, I.: Submerged macrophyte responses to reduced phosphorus concentrations in two periurban lakes. *Restoration ecology*, 18, 452–461
- Grützmacher, G., G. Wessel, S. Klitzke, I. Chorus: Microcystin Elimination during Sediment Contact. *Environmental Science and Technology*, 44, 657–662.
- Klitzke, S.; S. Apelt, C. Weiler, J. Fastner and I. Chorus (2009): Fate of the cyanotoxin cylindrospermopsin in sediments. *Geochimica et Cosmochimica Acta* 73. No. 13S, A669.
- Preußel, K.; Wessel, G.; Fastner, J.; Chorus, I. (2009): Response of cylindrospermopsin production and release in *Aphanizomenon flos-aquae* (Cyanobacteria) to varying light and temperature conditions: *Harmful Algae*. 8(2009) 645-650
- Schauser, I.; Chorus, I: Water and phosphorus mass balance of Lake Tegel and Schlachtensee - a modelling approach. *Water Research*, 43, 1788-1800 doi: 10.1016/j.watres.2009.01.007

- Preußel, K., Wessel, G., Fastner, J., Chorus, I. (2008): Response of cylindrospermopsin production and release in *Aphanizomenon flos-aquae* (Cyanobacteria) to varying light and temperature conditions: Harmful Algae.
- Wiedner, C.; Rücker, J., Fastner, J.; Chorus, I.; Nixdorf, B. (2008): Seasonal dynamics of cylindrospermopsis and cylindrospermopsin in two German lakes. *Toxicon* 52, 677-686
- Ibelings, B., Chorus, I. 2007: Accumulation of cyanobacterial toxins in freshwater „seafood“ and its consequences for public health – a review. *Environmental Pollution*, accepted
- Naselli-Flores, L.; Barone, R.; Chorus, I.; Kurmayer, R. (2007): Toxic Cyanobacterial blooms in reservoirs under a semi-arid mediterranean climate: the magnification of a problem. *Environm. Toxicol.* 399-404
- Fastner, J.; Rücker, J.; Stüken, A.; Preußel, K.; Nixdorf, I.; Chorus, I.; Köhler, A.; Wiedner, C., 2007: Occurrence of the cyanobacterial toxin cylindrospermopsin in Northeast Germany. *Environm. Toxicol.* 22, 26-32
- Schauser, I.; Chorus, I. 2007: Assessment of the success of external and internal restoration measures in two Berlin lakes, *Lake and Reservoir Management (accepted Dec. 2006)*
- Niesel, V.; Chorus, I.; Sudbrack, R.; Willmitzer, H.; Hoehn, E. 2007: The probability of occurrence of the dinoflagellates *Gymnodinium uberrimum* and *Peridinium willeii* in German reservoirs. *Journal of Plankton Research*; doi: 10.1093/plankt/fbm017
- Schauser, I.; Heinzmann, B.; Chorus, I. 2007: Strategy and current status of combating eutrophication in lakes for safeguarding drinking water resources, *Wat. Science Techn. (accepted)*
- Schauser, I.; Chorus, I.; Lewandowski, J. 2006: Effects of nitrate on phosphorus release: comparison of two Berlin lakes. *Acta hydrochim. Hydrobiol.*
- Preussel, K.; Stüken, A.; Wiedner, C.; Chorus, I.; Fastner, J. 2006: First report on cylindrospermopsin producing *Aphanizomenon flos-aquae* (Cyanobacteria) isolated from two German lakes. *Toxicon* 47, S. 156 - 162
- Gijbsbertsen-Abrahamse, A.J., W. Schmidt, I. Chorus, S.G.J. Heijman 2006: Removal of cyanotoxins by ultrafiltration and nanofiltration, *Journal of Membrane Science* 276, 252-259
- Grützmacher, G.; Wessel, G.; Chorus, I.; Bartel, H. 2006: Are there Limits to Cyanobacterial Toxin (Microcystin) Elimination by Sand Passage?. In: Recharge systems for protecting and enhancing groundwater resources, Proceedings of the International Symposium on Management of Artificial Recharge, Proceedings of the ISMAR05 11. - 16.6.05, Berlin. UNESCO IHP-VI, Series on Groundwater 13, p. 485 – 490
- Grützmacher, G.; Wessel, G.; Chorus, I.; Bartel, H. 2006: Removal of cyanobacterial toxins (microcystins) during slow sand and bank filtration. In: Gimbel, R., Graham N.J.D. & Collins, M.R. (ed.): Recent Progress in Slow Sand and Alternative Biofiltration Processes: p. 171 – 177. IWA Publishing (London).
- Grützmacher, G.; Wessel, G.; Chorus, I.; Bartel, H.; Holzbecher, E. 2006: On the behaviour of microcystins in saturated porous medium. In: Recharge systems for protecting and enhancing groundwater resources, Proceedings of the International Symposium on Management of Artificial Recharge, Proceedings of the ISMAR05 11. - 16.6.05, Berlin. UNESCO IHP-VI, Series on Groundwater 13, p. 491-497
- Welker, M.; Khan, S.; Haque, Md M.; Islam, S.; Khan, N.H.; Chorus, I.; Fastner, J. 2005: Microcystins (cyanobacterial toxins) in surface waters of rural Bangladesh - Pilot study. *Journal of Water and Health*, 325 – 337
- Via-Ordorika, L.; Fastner, J.; Kurmayer, R.; Hisbergues, M.; Dittmann, E.; Komarek, J.; Erhard, M.; Chorus, I. 2004: Distribution of microcystin-producing and non-microcystin-producing *Microcystis* sp. In European freshwater bodies: Detection of microcystins and microcystin genes in individual colonies. *System. Appl. Microbiol.* 27, 592 – 602



- Fastner, J.; Heinze, R.; Humpage, A.R.; Mischke, U.; Eaglesham, G.K.; Chorus, I. 2003: Cylindrospermopsin occurrence in two German lakes and preliminary assessment of toxicity and toxin production of *Cylindrospermopsis raciborskii* (Cyanobacteria) isolates. *Toxicol* 42, 313 – 321
- Kurmayer, R.; Christiansen, G.; Chorus, I. 2003: The abundance of microcystin-producing genotypes correlates positively with colony size in *Microcystis* and determines its microcystin net production in Lake Wannsee. *Appl. and Environm. Microbiol.* 69, 787 - 795.
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Book contributions (with peer review)

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- Chorus, I.; Cavalieri, M 2000: Cyanobacteria and Algae. In J. Bartram and G. Rees (eds): Monitoring Bathing Waters. Published on the behalf of WHO by Spon/Chapman & Hall, London. 337, 219 – 271

## Nomination of Ms. Ildikó Bodgál



MINISTRY OF INTERIOR

DR. PÉTER TAKÁCS  
State Secretary for Health

**UNECE – WHO**  
**Joint Secretariat of**  
**Protocol on Water and Health**  
Palais des Nations 8-14  
Av de la Paix  
CH-1211 Geneva 10  
Switzerland

14 November 2022, Budapest

### **Nomination of candidate for the Compliance Committee under the Protocol on Water and Health**

With this letter, I would like to express the support of the Ministry of Interior, State Secretariat of Health of Hungary to the candidature of Dr. Ildikó Bodgál for the Compliance Committee under the Protocol on Water and Health.

Dr. Ildikó Bodgál has more than 15 years of experience in the area of international legal compliance. She has actively participated of several reporting procedures under the system of UN Conventions. Dr. Bodgál acting as chair of the Mediation Board of the European Labour Authority, which also deals with examination of national regulations of member states. Her experience in international collaboration and in compliance with international conventions will ensure the successful performance of her duties in the committee under the Protocol.

Therefore, I trust that she has the necessary qualifications and experience to participate successfully to this important Compliance Committee.

With best regards,

**Dr. Péter Takács**



## Curriculum vitae of Ms. Ildikó Bodgál

### Curriculum Vitae dr. Ildikó Bodgál

#### Personal Profile

**Born:** Budapest, 26th of February 1968.  
**E-mail:** ildiko.bodgal@gmail.com  
**Address:** Batthyány u. 59. Budapest, Hungary, 1015



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#### PROFESSIONAL EXPERIENCE

**October 2020 – Present**      **Head of Unit for International and EU Legal Compliance**  
Ministry of Interior, Budapest

As head of unit of the Department for European Health, Social and Educational Affairs managing a team of lawyers and experts Dr. Bodgál is responsible for the harmonization of international and EU law in the field of health regulation, social protection and public education. The unit is involved in drafting legislative proposals and takes part in national reporting projects on the implementation of international legal instruments. The unit also deals with infringement procedures of the European Commission and preliminary rulings of the European Court of Justice.

As appointed national expert, Dr. Bodgál represents the ministry in several national and international working groups. As a government delegate, she has been involved in the legislative and implementation work of a number of EU expert committees over the past decade.

In the last 13 years she has also took part in the standard-setting development of labour and social regulations of the International Labour Organization, the Council of Europe, as well as in the domestic ratification and enforcement of their implementation.

**August 2010 – October 2020 Senior Legal Adviser - International Labour Affairs**  
Ministry of Innovation and Technology, Budapest

As labour lawyer of the Employment Regulation Department Dr. Bodgál was involved in the harmonization of international, EU and national labour law. She dealt with legislative proposals, took part in tripartite consultations. She represented Hungary I in infringement procedures and preliminary rulings of the European Court of Justice; she also took part in the activity of the Occupational Health and Safety Department, where (acting as assistant to the chair) dealt with LIS evaluation.

As government expert, she dealt with legal issues of the European Union and the International Labour Organization. As national expert, she attended working groups of the UN International Labour Conference in Geneva.

## **CURRENT MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS**

- Chair of the Mediation Board organised by the European Labour Authority;
- Member of the Hungarian National Contact Point of the OECD Guidelines for Multinational Enterprises, where actively involved in the mediation activities of the body;
- Alternate member of the Administrative Commission for the coordination of social security systems of the European Union;
- Alternate member of the Management Board of Eurofound, the European Foundation for the Improvements of Living and Working Conditions;
- Assistant to chair of the evaluation team of the Senior Labour Inspectors' Committee (SLIC) that has been appointed to perform the evaluation of the Labour Inspectorate System in EU Member States.

## **EDUCATION**

- |      |  |
|------|--|
| 2009 | Corvinus University of Budapest on Economic Sciences - <b>Master's degree in International Relations and Affairs</b> |
| 2001 | Szeged University Faculty of Law and Political Science <b>Doctor of Laws</b>   |
| 1991 | Eötvös Loránd University Budapest, <b>BA, Hungarian language and literature and Library science</b>                  |

## **LANGUAGES**

- |           |                                       |
|-----------|---------------------------------------|
| Hungarian | – native                              |
| English   | – fluent in professional environments |
| German    | – fluent in social environments       |

Budapest, 14 November, 2022

## Nomination of Mr. Gian Luca Burci



ROYAL NORWEGIAN MINISTRY  
OF HEALTH AND CARE SERVICES

United Nations Economic Commission for  
Europe  
8-14 Avenue de la Paix  
CH-1211 Geneva 10 - Sveits

Your ref

Our ref

Date

16/713-124

3 November 2022

### **Nomination of candidate for the Compliance Committee of the Protocol on Water and Health.**

With this letter we would like to nominate Mr. Gian Luca Burci as a candidate for the Compliance Committee of the Protocol on Water and Health. He would be a new member to this Committee and has communicated his interest in taking over this responsibility.

Mr. Burci is Doctor in Law from University of Genova and has worked as an Adjunct Professor of International Law at the Graduate Institute of International and Development Studies since 2012. He holds courses on global health law, the law and practice of international organizations, the law and practice of the United Nations and global health diplomacy. He has been involved in both research projects and in writing publications within legal fields related to the Protocol on water and health's objectives his entire carrier.

He has broad experience in international work and cooperation in the field of international law. He has excellent communication skills and longstanding legal expertise and knowledge in the fields to which the Protocol relates.

We trust he would be a great addition to this important committee and that he would support the signature parties to the best of his abilities in reaching their goals in the water and health field. Please find attached his curricula vitae.

Yours sincerely

Kjetil Tveitan  
Assistant Director General

Solveig Eik Helle  
Senior Adviser

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# Curriculum vitae of Mr. Gian Luca Burci

**Gian Luca Burci**

**October 2021**

**Adjunct Professor of International Law**

**Graduate Institute of International and Development Studies**

**Curriculum Vitae**

## **Contact details**

Graduate Institute of International and Development Studies, 2 Chemin Eugene-Rigot, 1211 Geneva, Switzerland.

e-mail: [gian-luca.burci@graduateinstitute.ch](mailto:gian-luca.burci@graduateinstitute.ch)

Graduate Institute web page: <https://www.graduateinstitute.ch/academic-departments/faculty/gian-luca-burci>

LinkedIn page: <https://www.linkedin.com/in/gianluca-burci-3789b56/>

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## **Current Positions**

### Academic

Adjunct Professor of International Law, Graduate Institute of International and Development Studies, Geneva, 2012-present; courses on global health law; the law and practice of international organizations; the law and practice of the United Nations, global health diplomacy. Workshop on the international legal counsel.

Academic Adviser, Global Health Centre, Graduate Institute of International and Development Studies, Geneva, September 2019-present

Director, LL.M. in Global Health Law and Governance, Graduate Institute of International and Development Studies, Geneva and Georgetown University Law Center, Washington, DC, 2012-present

Senior Scholar and Visiting Professor, O'Neill Center for National and Global Health Law, Georgetown School of Law, 2016-present

Senior Fellow, Melbourne Law School, 2017-present.

Course co-director, Global Health Centre, Graduate Institute of International and Development Studies, Geneva: co-organize every year since 2017 executive courses on global health diplomacy, legal instruments for global health, and health and human rights.

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## **Previous Positions**

### Academic

Visiting Professor, Xiamen Academy of International Law, Xiamen China, July 2018: course on "Infectious diseases and international law"

Visiting Professor, Melbourne Law School, July 2017: course on "health and international economic law"

Distinguished Visitor from Practice, Georgetown School of Law, September-December 2016: flagship course on "Global Health Law", LLM in Global Health Law

Visiting Professor, Australian National University, July 2016: course on "Global Health Law"

Visiting Professor of International Law, Fletcher School of Law and Diplomacy, Tufts University, Boston October-December 2014: "The Law of International Organizations"; "International Health Law".

Visiting Professor, Georgetown University School of Law, Washington, DC, February 2008, November 2014, October 2018, November 2019: "The Role of WHO in Global Health Law and Governance"

Visiting Professor of International Law, Graduate Institute of International and Development Studies, Geneva, 2010-2012: "International Health Law"

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### Professional positions

Legal Counsel, World Health Organization, Geneva, April 2005 – February 2016

Senior Legal Officer, Office of the Legal Counsel, World Health Organization, Geneva, June 1998-March 2005

Legal Officer, Office of the Legal Counsel, Office of Legal Affairs, United Nations, New York, November 1989-May 1998

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Junior Legal Officer, International Trade Law Branch, Office of Legal Affairs, United Nations, Vienna, June-November 1989

Junior Professional Officer, Evaluation Section, Department of Technical Cooperation, International Atomic Energy Agency, Vienna, 1988-May 1989.

### Consultancies



Researcher, Italian National Agency for Atomic and Alternative Energy (ENEA), 1986-1987.

OECD, Legal assistance to the negotiation of a multilateral instrument on double taxation (2016)

Interparliamentary Union (IPU), legal advice on the interpretation of the Statute and Rules of Procedure on the relationship between statutory organs. Drafting of special procedures for the online session of the Governing Council (2018- 2020)

FAO, legal advice and research on the management of relations with private sector entities (2018)

Legal Consultant on governance, institutional reform and the implementation of the International Health Regulations, World Health Organization, since 2017.

Independent Expert, WHO Joint External Evaluation, Ukraine, 29 November - 3 December 2021.

Legal consultant on the revision of the International Health Regulations and the negotiation of an international instruments on pandemic preparedness and control, European Commission, 2022.

#### Appointments

President, Arbitral Tribunal under Article 32 of the Constitution of the Universal Postal Union, Qatar v. United Arab Emirates (2020-present)

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#### **Education**

Doctor in Law, University of Genova, Italy, 1986

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#### **Research Projects**

Co-investigator, "Understanding the norms and practices of pathogen- and benefit-sharing to improve global health security", 2018-2020, Funded by the Swiss Network of International Studies (Principal Investigator, Prof. Suerie Moon, Graduate Institute).

Principal investigator, "Governing pandemics", since 2021, funded by the Bill and Melinda Gates Foundation (Co-Investigator, Prof. Suerie Moon, Graduate Institute).



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### **Academic associations**

Commissioner, Lancet Commission on Global Health and the Law, jointly with Georgetown University School of Law, 2015-2018

Member, International Law Association, Committee on Global Health Law, 2015-present

Member, Editorial Board, International Organization Law Review, 2014-present

Co-founder and co-chair, Interest Group on International Health Law, European Society of International Law, 2016-present.

American Society of International Law, member, 1990-present

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European Society of International Law, lifetime member

International Law Association, member, Headquarters Branch, 2013-present

Member, Advisory Board, Petrie-Flom Centre for Health Law Policy, Biotechnology and Bioethics, Harvard Law School (2020-present).

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### **Languages**

Italian : mother tongue

English : fluent

French : fluent

Spanish : spoken fluent, written fair

German : fair

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### **Publications**

#### **BOOKS**

Gian Luca Burci, Claude-Henri Vignes, "The World Health Organization", (Kluwer Law International, The Hague, 2004).

Gian Luca Burci (ed.), "Global Health Law", Research Collection (Elgar, 2016)

Gian Luca Burci, Brigit Toebes (eds.), "Global Health Law", Elgar Research Handbook (Elgar, 2018)

#### JOURNAL ARTICLES

"Una recente sentenza in tema di legge regolatrice dei privilegi marittimi" (A recent judgment on the regulatory law of maritime liens), in Rivista di diritto internazionale privato e processuale (1987), pp. 475-496

"L'azione del Consiglio di Sicurezza delle Nazioni Unite nella crisi del Golfo" (The Action of the UN Security Council in the Gulf Crisis), in La Comunità internazionale (1991), pp. 278-315

"Raccolta di documentazione su recenti casi di successione di stati nella prassi delle Nazioni Unite" (Collection of Documents on Recent Cases of Succession of States in the Practice of the United Nations), in La Comunità internazionale (1993), pp. 3-98

"Indirect Effects of United Nations Sanctions on Third States: the Role of Article 50 of the Charter", in African Yearbook of International Law 2 (1994), pp. 57-71

"Economic Sanctions: Do They Work?", in ILSA Journal of International and Comparative Law 2 (1996), pp. 577-586

"L'entrata in vigore della convenzione di Vienna sulla successione di Stati in materia di trattati e la prassi delle Nazioni Unite" (The Entry into Force of the Vienna Convention on Succession of States in Matters of Treaties and the Practice of the United Nations), Rivista di diritto internazionale 80 (1997), pp. 175-178

"The First Periodic Meeting of the States Parties to the 1949 Geneva Conventions", La Comunità Internazionale 53 (1998), pp. 116-129

L'impatto della Sars e la politica sanitaria mondiale (The impact of SARS and global sanitary policy), in A.COLOMBO, N.RONZITTI (eds.), L'Italia e la politica internazionale, edizione 2004 (Il Mulino, Bologna, 2004), pp. 213-223.

"La convention-cadre de l'OMS pour la lutte antitabac" Journal de droit international (2005), pp.77-100

"The United Nations Human Rights Council", The Italian Yearbook of International Law 25 (2005), pp. 25-41.

"World Health Organization", in Dizionario di diritto pubblico (Dictionary of public law), VI (Giuffrè, Milan, 2006).

Gian Luca Burci, Nico Schrijver, "Carl-August Fleischhauer, His Life and Work", Leiden Journal of International Law, 19 (2006), pp. 693-698.

"Public/Private Partnerships in the Public Health Sector" , in International Organization Law Review (2009), pp. 359-382

Andrew Cassels, Ian Smith, Gian Luca Burci, Reforming WHO: the art of the possible, 128 Public Health (2014), pp. 202-204

Gian Luca Burci, Egle Granziera, 'Privileges and Immunities of the World Health Organization: Practice and Challenges' 10 International Organization Law Review (2014), pp. 349-372.

Gian Luca Burci, Lawrence O. Gostin, "Privatized Pharmaceutical Innovation vs Access to Essential Medicines – A Global Framework for Equitable Sharing of Benefits", 317 Journal of the American Medical Association (2017), pp. 473-474.

Lawrence O. Gostin, Katharina O Cathaoir, Sarah Roache, Roger S. Magnusson, Rüdiger Krech, Steven S. Solomon, Derek Walton, Marie-Paule Kieny, David W. Patterson, Gian Luca Burci, "Advancing the Right to Health – The Vital Role of Law", 107 American Journal of Public Health (2017), pp. 1755-1756

Dennis Carroll, Brooke Watson, Eri Togami, Peter Daszak, Jonna AK Mazet, Cara J Chrisman, Edward M Rubin, Nathan Wolfe, Carlos M Morel, George F Gao, Gian Luca Burci, Keiji Fukuda, Prasert Auewarakul, Oyewale Tomori, "Building a global atlas of zoonotic viruses", 96 Bulletin of the World Health Organization (2018), 292-294.

Burci, Gian Luca and Nannini, Claudia, "The Office of the Legal Counsel of the World Health Organization" (August 9, 2018). Available at SSRN: <https://ssrn.com/abstract=3229184> or <http://dx.doi.org/10.2139/ssrn.3229184>

Aurelia Attal-Juncqua, Claire J Standley, Anna Tordjmann, Gian Luca Burci, Rebecca Katz, "Legislative assessments as a tool for strengthening health security capacity: the example of Guinea post-2014 Ebola outbreak", 3 Journal of global health reports (2019), pp. 1-13.

"The World Health Organization at 70: Challenges and Adaptations", 16 International Organizations Law Review (2019), pp. 229-241.

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Michelle Rourke, Sam Halabi, Gian Luca Burci and Rebecca Katz, "The Nagoya Protocol and the Legal Structure of Global Biogenomic Research", 45 The Yale Journal of International Law (2020), pp. 133-192.

Gian Luca Burci et al, "Solidarity in the wake of COVID-19: reimagining the International Health Regulations", The Lancet, 19 June 2020, [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)31417-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)31417-3/fulltext)

The Legal Response to Pandemics – The Strengths and Weaknesses of the International Health Regulations, *Journal of International Humanitarian Legal Studies* (27 June 2020), <https://brill.com/view/journals/ihts/aop/article-10.1163-18781527-01102003/article-10.1163-18781527-01102003.xml>

A Global Legal Instrument for Alcohol Control: Options, Prospects and Challenges, *European Journal of Risk Regulation* (2020), <https://www.cambridge.org/core/journals/european-journal-of-risk-regulation/article/global-legal-instrument-for-alcohol-control-options-prospects-and-challenges/E760BF6099C94C93717EE6017B1BE610>

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"United Nations Peace-Keeping Operations in Situations of Internal Conflict: Some Legal Problems", in T.SELLERS (ed.), State Sovereignty, Human Rights and Self-Determination of Peoples (Berg, London 1996), pp. 232-272

"Division of Labour Between the UN and the OSCE in Connection with Peace-Keeping", in M. BOTHE, N. RONZITTI, A. ROSAS (eds.), The OSCE in the Maintenance of Peace and Security (Kluwer, London, 1997), pp. 289-313.

"Interpreting the Humanitarian Exceptions through the Sanctions Committees", in V. GOWLLAND DEBBAS (ed.), United Nations Sanctions and International Law (Kluwer, The Hague, 2001), pp. 143-154.

"La gestion d'une crise sanitaire internationale: le cas du SRAS" (The management of an international sanitary crisis: the case of SARS), in ROSTANE MEHDI, SANDRINE MALJEAN-DUBOIS (eds), *La société internationale et les grandes pandémies*, (Pedone, Paris, 2007) pp. 135-141.



"Health and Infectious Disease", in T.G. WEISS & S. DAWS (eds), Oxford Handbook on the United Nations, (Oxford University Press, Oxford, 2007), pp. 582-591

Riikka Koskenmaki, Egle Granziera, Gian Luca Burci, "The World Health Organization and its Role in Health and Development", in A. GATTI & A. BOGGIO (eds), Health and Development - Towards a Matrix Approach, (Palgrave Macmillan, 2009), pp. 16-55.

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"The European Union and the World Health Organization: Interaction and Collaboration from a Governance and Policy Perspective", in Christine Kaddous (ed.), The European Union in International Organizations and Global Governance (London, Hart 2015), pp. 155-174.

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"Enforcement versus Immunities in the United Nations: A Rule of Law Perspective" in Clemens A. Feinäugle (ed.), The Rule of Law and its Application to the United Nations (Hart, 2016), pp. 269-296.

"Immunity of Property, Funds, and Assets (Article III Section 4 Specialized Agencies Convention)"; "Inviolability of Archives (Article II Section 4 General Convention)"; "Inviolability of Archives (Article III Section 6 Specialized Agencies Convention)"; "Annex VII – World Health Organization (WHO)", in August Reinisch, Peter Bachmayer (eds.), The Conventions on the Privileges and Immunities of the United Nations and its Specialized Agencies (Oxford University Press, 2016), pp. 99-124; 157-190; 775-784.

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Gian Luca Burci et al, "Drivers and Barriers to Pathogen- and Benefit-Sharing (PBS): An Empirical Study of Global Perceptions and Practices and Case Studies from Ebola in Liberia and Zika in Brazil", *Global Health Governance* Vol. XVII (2022), pp. 4-36.

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Gian Luca Burci et al, "The legal determinants of health: harnessing the power of law for global health and sustainable development", report of the Lancet-O'Neill Institute Commission on Global Health and the Law, *The Lancet* (May 2019), at <https://www.thelancet.com/commissions/legal-determinants-of-health>

Anthony Rizk, Anna Bezruki, Gian Luca Burci, Suerie Moon, "Everybody knows this needs to be done but nobody really wants to do it": governing pathogen- and benefit-sharing (PBS) (December 2020), at <https://repository.graduateinstitute.ch/record/298843>

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"Implementation and Impact of United Nations Sanctions", in Contemporary International Law Issues: New Forms, New Applications, proceedings of the 1997 Hague Joint Conference of the American Society of International Law and the Nederlandse Vereniging voor Internationaal Recht, (T.M.C. Asser Instituut, The Hague, 1998), pp. 264-267

"Shifting Norms in International Health Law", transcript of statement made at the 98<sup>th</sup> annual meeting of the American Society of International Law, in Proceedings of the 98<sup>th</sup> Annual Meeting, 2004, pp. 16-18.

"Implementation of International Health Law: a Challenge for the Future", transcript of statement made at the 101<sup>st</sup> annual meeting of the American Society of International Law, in Proceedings of the 101<sup>st</sup> Annual Meeting, 2007, pp. 253-256.

"Tutela della salute ed evoluzione della sicurezza collettiva", in Laura Pineschi (ed.), "La tutela della salute nel diritto internazionale ed europeo tra interessi globali e interessi



particolari”, proceedings of the 21st annual meeting of the Italian Society of International Law (Editoriale Scientifica, 2017), pp. 67-84.

#### ON-LINE PUBLICATIONS

“Legal aspects of UN economic sanctions”, posted in June 2000 on the web site of the Lauterpacht Research Centre for International Law at:  
<http://www.law.cam.ac.uk/rcil/archive.htm>

“Public Health and “Counterfeit” Medicines: The Role of the World Health Organization”, (2013) ASIL Insight Vol. 17 No. 2, available at <http://www.asil.org/insights130111.cfm>

“Ebola, the Security Council and the securitization of health”, QIL, Zoom-in 10 (2014), 27-39, at [http://www.qil-qdi.org/wp-content/uploads/2014/12/03\\_Ebola\\_BURCI\\_Fin.pdf](http://www.qil-qdi.org/wp-content/uploads/2014/12/03_Ebola_BURCI_Fin.pdf)

Gian Luca Burci, Jakob Quirin, “Ebola, WHO, and the United Nations: Convergence of Global Public Health and International Peace and Security”, (2014) ASIL Insight, Vol. 18 No. 25, available at <https://www.asil.org/insights/volume/18/issue/25/ebola-who-and-united-nations-convergence-global-public-health-and>

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#### BOOK REVIEWS

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"Resolutions of the World Health Organization on the Election of the Director-General", introductory note, 52 International Legal Materials (2013), pp. 998-1001.

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#### **Panels, conferences, podcasts and webinars (2014-present)**

7 April 2014, panel meeting at WHO, « Global health law and governance : contemporary challenges », with Prof. Larry Gostin, Georgetown University, and Dr. Mark Dybul, Executive Director, the Global Fund against HIV, Malaria and Tuberculosis

7 April 2014, Graduate Institute of International and Development Studies, Geneva. Panel discussion : « Global health law and governance : the state of the art », with Prof. Larry Gostin, Georgetown University, Prof. Ilona Kickbusch, Director, Global Health Programme, Graduate Institute ; and Prof. Joost Pauwelyn, Co-Director, Center for Trade and Economic Integration, Graduate Institute.

5 June 2014, University of Lisbon, « health and globalization: the challenge of a regulatory approach». Convenor, Prof. Benedetto Saraceno, Calouste Gulbenkian Chair in Global Health, Faculty of Medicine, University of Lisbon.

« Enforcement v Immunity in the United Nations », presentation at the Max-Planck Institute, Luxembourg, 11- 12 September 2014, « The Rule of Law and its Application to the United Nations »

« Shared responsibility under international law in public-private partnerships », presentation at the seminar « Shared responsibility in partnerships among international institutions », University of Amsterdam, 3 October 2014.

« Ebola : Mutations, Markets and the Military », panel presentation at Fletcher School of Law and Diplomacy, Tufts University, 5 November 2014

« The International Health Regulations as a Global Governance Framework », Fletcher School of Law and Diplomacy, Tufts University, 17 November 2014

« The Future of WHO », keynote speaker, O'Neill Colloquium, Georgetown School of Law, 19 November 2014.

« Global challenges facing the World Health Organization », panel presentation, Tufts Center for Global Health, Research and Innovation Day, Tufts University School of Public Health, 20 November 2014.

« The Tobacco Wars: International Litigation, Health Protection and Economic Law », organizer and moderator. Fletcher School of Law and Diplomacy, 21 November 2014. Panelists : Prof. Tania Voon, Melbourne Law School ; Prof. Joel Trachtman, Fletcher School ; Prof. Jeswald Salacuse, Fletcher School.

Commentator, Distinguished Dean's Lecture, Presentation of the book "Global Health Law" (Prof. Larry Gostin). Harvard School of Public Health, 10 December 2014.

Guest lecturer, University of Louvain, Leuven Center for Global Governance Studies, 17 December 2014, « The role of the legal adviser of WHO »

Panelist, Workshop on « The Security Sector and Global Health Crises : Lessons from the Current Ebola Epidemic », IHEID Global Health Centre and DCAF, 5 February 2015, Geneva.

Panelist, Round table on « Relevant Global Bodies, Neglected Stakeholders and Core Legitimacy Challenges », Conference on « Rethinking Stakeholder Participation in Global Governance », IHEID CTEI, Duke University, Université de Lausanne, Geneva, 26-27 February 2015.

Convenor and moderator : panel on « disasters and the law », Graduate Institute, 4 June 2015. Panelists : Eduardo Valencia Ospina, Special Rapporteur of the International Law



Commission on assistance to persons in the event of disasters ; David Fisher, Coordinator, Disaster Law Programme, IFRC ; Rick Brennan, Director, Emergency Risk Management and Humanitarian Response, WHO.

Invited participant, expert meeting on the ILC's draft articles on the protection of persons in the event of disasters, Roma Tre University, Rome, 8-9 June 2015.

Panelist, « Haiti in a Time of Cholera », Graduate Institute of International and Development Studies, 29 October 2015.

Panelist, « The Evolution of the Role of International Organizations in the Maintenance of Peace and Security on the 70th Anniversary of the United Nations », Palais des Nations, Geneva, 18 November 2015.

Convenor and moderator: panel on "immunities of international organizations: theory and practice", Graduate Institute, 31 May 2016. Panelists: August Reinisch, Professor of International Law, Vienna University; Tilmann Geckeler, Principal Legal Officer, ILO; Danielle Werthmüller, Permanent Mission of Switzerland to the United Nations, Geneva.

Keynote speaker, Melbourne University School of Law; "the global health law of the future", 30 June 2016.

Panelist, "Immunities of international organisations: unnecessary legacy of the past or important protection to keep ?" International Bar Association annual meeting, Washington DC, 21 September 2016

Panelist, "International Health Emergencies – Is the Existing Framework Sufficient?", International Law Weekend, New York, 29 October 2016

Panelist, "From AIDS to Zika: The Potential of Global Health Law to Address Modern Pandemics", Georgetown Law School, 2 November 2016

Keynote speaker, "The International Health Regulations and the WHO Framework Convention for Tobacco Control: the development and enforceability of binding agreements", US Department for Health and Human Services, 1 December 2016.

Panelist, "International Legal Aspects of Global Health Security after Ebola", International Conference "Public Health and International Law: Challenges and Priorities in Health Security, Environmental Safety and Food", University of Salerno, 12 December 2016.

Moderator, book launch, "Advancing the Right to Health: The Vital Role of Law", Graduate Institute of International and Development Studies, Geneva, 16 January 2017. Panelists: Dr. M.P. Kieny, Assistant Director-General, WHO; Prof. Lawrence O. Gostin, Georgetown University; Mr. David Patterson, International Development Law Organization; Prof. Roger Magnusson, University of Sydney.

Organizer and moderator, "Biodiversity and Human Rights", presenter Prof. John Knox, Special Rapporteur of the Human Rights Council on Environment and Human Rights. Graduate Institute of International and Development Studies, 7 March 2017.

Panelist, "Human rights of thalassemia patients", event organized by the Permanent Mission of Cyprus to the United Nations, Geneva, Palais des Nations, 17 March 2017.

Panelist, "Implementing the Rights to Water and Sanitation", with Prof. Jorge Viñuales, Graduate Institute, 8 May 2017.

Moderator, "The end of Obamacare?" with Prof. Nicholas Bagley, Graduate Institute, 28 June 2017

Keynote speaker: "The rise of antimicrobial resistance: implications for global health governance and international law". Melbourne Law School, 26 July 2017

Convenor and Panelist, "Health as a Global Public Good in International Law", meeting of the ESIL Interest Group on International Health Law, 13<sup>th</sup> Annual Conference of the European Society of International Law, Naples 6 September 2017.

Trainer, Workshop on governance and working procedures of the World Health Organization, Ottawa, Public Health Agency of Canada, 23 October 2017

Discussant, "Recommendations for training modules for health and security agency", Workshop on the security sector and global health crises, Geneva, Global Health Centre and Centre for the Democratic Control of Armed Forces, 8 November 2017

Panelist, "The Biological Weapons Convention in the Global Health Security Landscape: The Global Health Security Agenda Joint External Evaluations, UNSCR 1540, and Sustainable Development Goal 3", Geneva, Palais des Nations, 6 December 2017.

Moderator, "Innovative partnerships for pandemics", panel discussion. Prince Mahidol Award Conference, Bangkok, Thailand 29 January 2018

Discussant, "Governance Entrepreneurs: International Organizations and the Rise of Public-Private Partnerships", Graduate Institute, 6 March 2018.

Moderator and panelist, "Launching Oxford International Organizations (OXIO)", Graduate Institute, 8 March 2018.

Moderator and panelist, "Rule-making by international organizations", American Society of International Law, 112<sup>th</sup> annual meeting, 6 April 2018. Panelists: Prof. Jose Alvarez (NYU), Tomi Komiyama (ILO), Nicola Bonucci (OECD), Mary Saunders (ISO).

Panelist, "Universality and Global Health Governance", European Society of International Law, 14<sup>th</sup> annual conference, Manchester, UK, 14 September 2018.



Convener and moderator, "Health and the Environment in International Law: Actors, Norms and Responsibilities", Max Planck Institute for Comparative Public Law and International Law, Heidelberg (Germany) 17-18 October 2018.

Convenor and moderator, "Global health governance: the power of law", Graduate Institute of International and Development Studies, 26 March 2019. Panelists: Prof. Brigit Toebes (Groningen University); Prof. Suerie Moon (Graduate Institute); Prof. Therese Murphy (Queen's University, Belfast); Prof. Stefania Negri (University of Salerno, Italy); Mr. Benn McGrady (WHO).

Panelist and speaker, Jean Monnet Summer School on Human Rights and Health, 1-5 July 2019, University of Salerno

Panelist and speaker, "Public Health and Global Governance of Alcohol", La Trobe University, Melbourne, 30 September - 3 October 2019.

Panelist, "The Legal Determinants of Health – Launch of the Lancet and O'Neill Institute Commission Report", Geneva 5 February 2020.

Inside Geneva: How to deal with the coronavirus, 11 February 2020, [http://www.swissinfo.ch/eng/podcast\\_inside-geneva--how-to-cope-with-coronavirus-/45549424](http://www.swissinfo.ch/eng/podcast_inside-geneva--how-to-cope-with-coronavirus-/45549424)

Coronavirus and the International Law of Epidemics, American Society of International Law, March 2020, <https://soundcloud.com/americansocietyofinternationallaw/episode-19-coronavirus-and-the-international-law-of-epidemics>

COVID-19 and international law: What went wrong and what can we learn from it? A conversation between Philippe Sands and Gian Luca Burci. British Institute of International and Comparative Law, 16 April 2020, <https://www.biiicl.org/events/11373/covid-19-and-international-law-what-went-wrong-and-what-can-we-learn-from-it>

What's law got to do with COVID-19? Panel discussion with Steven Solomon, Principal Legal Officer, WHO, and Suerie Moon, Global Health Centre, Graduate Institute, 21 April 2020, [https://youtu.be/mG\\_N78o3Pnc](https://youtu.be/mG_N78o3Pnc)

COVID-19 and International Law: A Snapshot, Washington University in Saint-Louis, 28 April 2020, <https://www.bamsl.org/index.cfm?pg=COVID19InternationalSnapshot>

The Outbreak of COVID-19 Coronavirus: are the International Health Regulations Fit for Purpose? Graduate Institute of International and Development Studies, 2 April 2020, <https://open.spotify.com/episode/6Q7c6qyUxkBqTzr1NT9Fkr>

EJIL, the Podcast! Who let the bats out? Podcast with Sarah Nouwen, Dapo Akande, Marko Milanovic, Philippa Webb, 6 May 2020, [https://www.ejiltalk.org/ejil-the-podcast-who-let-the-bats-out/?utm\\_source=mailpoet&utm\\_medium=email&utm\\_campaign=ejil-talk-newsletter-post-title\\_2](https://www.ejiltalk.org/ejil-the-podcast-who-let-the-bats-out/?utm_source=mailpoet&utm_medium=email&utm_campaign=ejil-talk-newsletter-post-title_2)

“Resisting the COVID-19 pandemic: how effective are the International Health Regulations 2005”, Centre for Public Policy Research and Study Group on International Law and Relations, Cochin, 8 May 2020, <https://www.youtube.com/watch?v=ne91-AP7Rvw>

World Health Assembly Open Briefing, Graduate Institute podcast, 13 May 2020, <https://youtu.be/ZIkDT-eV7Q>

“Universally respected but temporarily neglected? COVID-19 as a crisis for human rights and multilateralism”, IFHV Ruhr Universität Bochum, 26 May 2020, <https://verfassungsblog.de/vb-live-universally-respected-but-temporarily-neglected-covid-19-as-a-crisis-for-human-rights-and-multilateralism/>

“COVID-19 Part I: Promise and Challenges for Global Governance during the Pandemic”, American Society of International Law, 11 June 2020, <https://asil.virtualeventsolutions.com/breakout-session-live-6-11/>

“Conceptualizing Intellectual Property as a Social Determinant of Health”, 5<sup>th</sup> Detlev Vagts Roundtable on Transnational Law, American Society of International Law

“COVID-19 and international law”, European Society of International Law and Stockholm Centre for International Law and Justice, 10 September 2020, <https://www.youtube.com/watch?v=WAueyoHXOUg>

“The Rule of Law in Times of Health Crises”, British Institute of International and Comparative Law, 16 September 2020, <https://www.youtube.com/watch?v=dsEFCeUI6cl&feature=youtu.be>

International Law Weekend 2020, “President’s Opening Plenary Panel”, panellist, 22 October 2020

“The role of the WHO in the Sars-Cov2 Pandemic,” International Law Association, German Branch, keynote speaker, 23 October 2020.

“The WHO and the COVID pandemic: Myth v Reality,” Northwestern University, keynote speaker, 27 October 2020.

“Detlev Vagts Roundtable: Pandemic Vaccines: Market Products or Global Public Goods?”, convener and moderator, American Society of International Law 2021 annual meeting, 26 March 2021.

“Reforming the Global Public Health Regime: Asian Perspectives”, NYU US-Asia Law Institute and National University of Singapore Centre for International Law, panelist, 14 April 2021.

“Defeating COVID-19: Vaccines, Public Law and Global Challenges”, International Society of Public Law (ICON-S), panelist, 30 April 2021,

<https://www.youtube.com/watch?v=dn3VeU3DmYY&list=PLIjW4Vot-et8sqwEW53NJnthWH2BkHlKf&index=1&t=2740s>

“Les enseignements de la crise sanitaire de la COVID-19 pour le droit international et européen », Université Paris 1 Panthéon-Sorbonne, panelist, 25 May 2021

“Do we need a pandemic treaty?”, podcast, 4 June 2021, International Law Behind the Headlines, American Society of International Law,

<https://soundcloud.com/americansocietyofinternationallaw/episode-29>

“Current events: Lawmaking in the post-pandemic world: is COVID a gamechanger?” European Society of International Law, annual meeting 2021, panelist, 10 September 2021,

[https://api.screen9.com/preview/ghMwugE3FMM9RbAa8iw3g8Bc53-d\\_pU8K45D3Nnfq5HNAg8Z4ZQNAwZ-JPyVSSZ2](https://api.screen9.com/preview/ghMwugE3FMM9RbAa8iw3g8Bc53-d_pU8K45D3Nnfq5HNAg8Z4ZQNAwZ-JPyVSSZ2)

“The Long Covid Effect on the International Health Law System: Prospects and Challenges for the IHRs and the Pandemic Treaty”, Expert meeting: “Is International Disaster Law Protecting us?”, Yearbook of International Disaster Law, panelist, 4 October 2021.

“A New Pandemic Treaty: The “Bretton Woods” Moment for Global Health?” World Health Summit, Berlin, 25 October 2021, panelist.

“Global Governance and World Health Organization Reform in the Wake of COVID-19”, International Law Weekend, American Branch of the International Law Association (online event), 29 October 2021, panelist.

“The Health-Environment Nexus and the Systemic Implications of Environmental Crimes”, Cambridge Centre for Environment, Energy and Natural Resource Governance (online event), 19 November 2021, panelist.

“A new treaty on pandemics: what is it for and do we need it?”, Centre for International Law, National University of Singapore (online), keynote speaker, 25 November 2021.

“One Health and International Law”, Centre for international Law, National University of Singapore (online), panelist, 8 March 2022.

“Time to rethink the science-policy interface? From COVID-19 lessons to strengthening One Health global policies”, Geneva Health Forum, moderator, 3 May 2022.

## Nomination of Mr. António Carmona Rodrigues



UNECE - WHO/Europe Protocol on  
Water and Health  
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[mail:protocol.water\\_health@un.org](mailto:protocol.water_health@un.org)

Lisbon, October 2022

### Nomination of Professor António Carmona Rodrigues for the Compliance Committee under the Protocol on Water and Health

I would like to take this opportunity to express the support of the Ministry of Environment and Climate Action of Portugal to the candidature of Professor António Carmona Rodrigues for the Compliance Committee under the Protocol on Water and Health.

Professor Carmona Rodrigues has 40 years of experience in the water sector, is an internationally recognized senior Engineer, with a relevant academic experience, who have assumed during its long carrier, also relevant public function, at local and central level.

Its experience in the water sector, namely in the fields of water quality and safety, are decisive factors for this candidature, accompanied by human and social characteristics that we believe will strongly contribute for a successful mandate within the Committee.

Therefore, it is my firm conviction that the presence of Professor António Carmona Rodrigues, as a member of the Compliance Committee will guarantee the level of quality, the necessary qualifications and the level of commitment envisaged by the Protocol, as well as it will I guarantee that Portugal continues contributing to this process with quality and firmness.

Yours faithfully,

Maria Alexandra  
Martins Ferreira de  
Carvalho  
**Alexandra Ferreira de Carvalho**

Assinado eletronicamente por Maria  
Alexandra Martins Ferreira de Carvalho  
DNI e PT: 10867-Secretaria-Geral  
No Conselho de Gestão do Ambiente e do Ação  
Climática, em Lisboa, Alexandra Martins  
Ferreira de Carvalho  
Data: 2022.10.28 11:53:45 +0100

Secretary-General for Environment



# Curriculum vitae of Mr. António Carmona Rodrigues

## CURRICULUM VITAE

António Pedro de Nobre Carmona Rodrigues

Place and date of birth: Lisbon, 23 June 1956.

Civil Engineer, Military Academy, Lisbon, 1978.

Dip. Hydraulic Engineering, Delft, The Netherlands, 1982.

PhD in Environmental Engineering, UNL, Lisbon, 1992 (dissertation: "Reservoir Water Quality Mathematical Modeling").

Advanced Management Program (PADE), AESE, 2011.

He started his career at Hidroprojecto in 1978. In 1993 he started his connection to Universidade Nova de Lisboa, as a guest assistant. At the University, he participated and was responsible for several research projects, namely in the areas of water resources planning and management and water quality modelling.

Invited Assistant since 1983, and Professor since 1992, having taught several courses in the Master's Program of Environmental Engineering, Civil Engineering and Geological Engineering, at the Faculty of Sciences and Technology, Universidade Nova de Lisboa, such as: Hydraulics, Hydrology, Water Resources Planning and Management, Water Quality Modelling. Coordinator of the Master Program in Water Engineering and Management (2007-2015).

Responsible for the Hydraulics Laboratory Prof. Armando Lencastre at Universidade Nova de Lisboa.

He has published five books and more than eighty articles in national and foreign journals. He has supervised several master's and doctoral theses in the area of water resources and has been a member of several academic juries.

During his 40 years of experience in water resources, he has been involved in several important projects in Portugal and some abroad, namely in the areas of water resources, hydraulics and environmental assessment.

Responsible for the elaboration of the "Methodologies for the delimitation of protection perimeters of surface water abstractions", developed for EPAL (2012).

Member of the National Water Council since 1994. Among others, he was Member of the Working Group "Quality of Water and Water Media" (1997).

Advisor to the Secretary of State for the Environment and Natural Resources (1993 -1995).

Member of the Portuguese National Commission for Large Dams since 1998.

Specialist consultant on water quality in the Portuguese National Water Plan (2000).

Representative of Portugal, through the Portuguese Water Institute (INAG), at the European Topic Center on Inland Waters (ETC/IW) (1997-2000).

Chairman of the Executive Committee of the Portuguese Water Resources Association (1998-2000).

Member of the Order of Engineers.

Member of the Academy of Engineering since 2005.

DHV Administrator (2008-2013).

Managing Director of Taguspark (2014-2017).

President of Fundação Cidade de Lisboa (2018-).

Minister of Public Works, Transport and Housing (2003-2004).

Deputy Mayor of Lisbon (2002-2003 and 2007-2009).

Mayor of Lisbon (2004-2005; 2005-2007).

Grand Officer of the Order of Merit, Republic of Austria. Grand Cross, White Star 1st Class, Republic of Estonia.

Lisbon, October 2022

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## Nomination of Mr. Jorge Viñuales, Switzerland



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of Home Affairs FDHA  
**Federal Food Safety and Veterinary Office FSVO**  
International Affairs

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Joint Secretariat  
UNECE - WHO/Europe Protocol on Water and  
Health to the 1992 Convention on the Protection  
and Use of Transboundary Watercourses and In-  
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File Reference: BLV-D-968B3401/80

Your reference: -

Case:

Berne, 22 August 2022

### Nomination of Prof. Jorge Viñuales in view of his election as a Member of the Compliance Committee under the Protocol

Dear Madam/Sir,

Reference is made to the E-Mail that was sent to National Focal Points of Parties and Signatories to the UNECE-WHO/Europe Protocol on Water and Health by the Joint Secretariat on 1<sup>st</sup> July 2022, which is entitled "Nomination of Candidates for the Compliance Committee under the Protocol on Water and Health."

Switzerland is very pleased and honoured to nominate **Professor Jorge VIÑUALES** for re-election as a Member of the Compliance Committee under the Protocol on Water and Health. Prof. Viñuales is currently the Chairperson of the Compliance Committee. He is very committed to the work under the Protocol and he has intensely engaged in the various tasks of the Compliance Committee during his current mandate. Prof. Viñuales studied law and political science and he has been very active in the field of International Environment Law since 2005.

Prof. Viñuales has played important roles in various NGOs and he has also advised governments, amongst others, in the fields of policy and litigation-related work. Prof. Viñuales currently holds presti-

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<https://www.blv.admin.ch>

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BLV-D-968B3401/80

ous positions in academic institutions and he has published numerous books and articles related to International Environmental Law. Kindly find his Curriculum Vitae in the Annex.

We are convinced that Prof. Viñuales is very well qualified for re-election as a Member of the Compliance Committee of the Protocol and we sincerely appreciate this opportunity to nominate him in view of his election as a Member of the Compliance Committee by the 6<sup>th</sup> Session of the Meeting of the Parties (Geneva, 16<sup>th</sup> to 18<sup>th</sup> November 2022).

Kind regards,



Christina Gut Sjöberg

Head Sector International Affairs

Annex: Professor Jorge Viñuales' Curriculum Vitae



## Curriculum vitae of Mr. Jorge Viñuales

### Curriculum Vitae – Professor Jorge E. Viñuales

Professor Jorge E. Viñuales holds the Harold Samuel Chair of Law and Environmental Policy at the University of Cambridge and is the founder and former Director of the Cambridge Centre for Environment, Energy and Natural Resource Governance (C-EENRG). He is also a Research Professor of International Law at LUISS, Rome, a Member (Associé) of the Institut de Droit International, the current Chairperson of the Compliance Committee of the UNECE/WHO-Europe Protocol on Water and Health, the co-General Editor of the ICSID Reports (CUP), the General-Editor of the Cambridge Studies on Environment, Energy and Natural Resources Governance (CUP), a member of the Panel of Arbitrators of the Shanghai International Arbitration Centre and the Director-General of the Latin American Society of International Law. Prior to joining Cambridge, he was the Pictet Chair of International Environmental Law at the Graduate Institute of International and Development Studies, Geneva.

He has published widely in his specialty areas, most recently his books *Cassese's International Law* (Oxford University Press, 2020, with P. Gaeta and S. Zappala), *The UN Friendly Relations Declaration at 50: An Assessment of the Fundamental Principles of International Law* (Cambridge University Press, 2020, editor), *ICSID Reports, vol. 18: Defence Arguments in Investment Arbitration* (co-ed with M. Waibel), *The Oxford Handbook of Comparative Environmental Law* (Oxford University Press, 2019, co-ed. with E. Lees), *Experiments in International Adjudication: Historical Accounts* (Cambridge University Press, 2019, co-ed. with I. de la Rasilla), *The Rio Declaration on Environment and Development. A Commentary* (Oxford University Press, 2015), *International Environmental Law* (Cambridge University Press, 2015, second edition 2018, with P.-M. Dupuy), *The Foundations of International Investment Law* (Oxford University Press, 2014, co-edited with Z. Douglas and J. Pauwelyn), *Foreign Investment and the Environment in International Law* (Cambridge University Press, 2012, reprint 2015), and *Diplomatic and Judicial Means of Dispute Settlement* (Martinus Nijhoff, 2012, co-edited with L. Boisson de Chazournes and M. G. Kohen).

His ongoing work includes two book-length studies respectively on *The International Law of Energy* (on contract with Cambridge University Press) and on *The Architecture of Environmental Law: A Comparative Analysis* (on contract with Oxford University Press), a monographic course on *Aggravated State Responsibility* for the Hague Academy of International Law, and a series of interdisciplinary papers on complexity economics, integrated modelling and sustainability policy in co-authorship with colleagues from C-EENRG and elsewhere. The latter work has been published over time in journals such as *Nature Climate Change*, *Global Environmental Change*, *Renewable & Sustainable Energy Reviews*, *Energy Policy* or *Climate Policy*.

Prof. Viñuales has wide experience as a practitioner, both in an advisory and a litigation context. He was associate, counsel, and of counsel with two major law firms specialised in international law for a decade. In addition to his work for the UNECE/WHO-Europe Protocol on Water and Health, he has served as arbitrator, counsel, co-counsel, expert and, earlier in his career, as secretary of arbitration tribunals in inter-State, investment and commercial disputes. He regularly advises governments, companies, international organisations or major NGOs on different matters of environmental law and policy, investment law, human rights, maritime delimitation and public international law at large.

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Prof. Viñuales speaks Spanish, English, French and Italian.