

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

(Please insert name and affiliation)

I, Omar Abdelaziz, residing in Dubai UAE and Cairo Egypt, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am *assistant Professor of Thermofluids at Zewail City of Science and Technology*. My responsibilities include *teaching undergraduate and graduate courses in the areas of Thermofluid sciences, energy conversion and management, and renewable energy, and performing innovative research in the area of energy efficiency and renewable energy*.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following *(if answer is yes, describe briefly)*
 - a. Proprietary interests: I *do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I *do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions:
 - Assistant Prof. of Thermofluids at Zewail City of Science and Technology
 - Managing Director, Clean Energy Air and Water Technologies FZE
 - Developing research strategy for universities
 - Providing technical and strategic support for NGOs and government organizations
 - International Independent Consultant (primarily working on alternative refrigerants research)
 - d. Government advice and other policy development:
 - Evaluate the impact of building codes in Dubai on energy consumption
 - Develop demand side management verification tools
 - e. Paid research activities, fellowships or grants:

f. Other interests:

- Sustainable energy production and utilization
 - Water Desalination
 - Thermofluid sciences
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is *not applicable – I am volunteering my time*.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have* declined to disclose information falling within paragraph 10 of those Guidelines and *I undertake to ensure that I am completely excluded from discussion and decisions on topics related to the information that I have declined to disclose*.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Omar Abdelaziz

Date: 01/18/2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

(Please insert name and affiliation)

I, Jitendra M Bhambure, residing in __A-106 , Sumer Castle , Minatai Thakre Chawk, Thane west 400601 , MS, India, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am an independent consultant presently working as technology advisor in Blue Star. My responsibilities include Development of learning academy and advise on emerging technologies in HVAC .
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following *(if answer is yes, describe briefly)*
 - a. Proprietary interests: I do not have proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I do not have ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work. *(relevant financial relationships between members should be disclosed)*
 - c. Employment, consultancy, directorship or other positions: NIL *(describe any interests relevant to the TEAP activity)*.
 - d. Government advice and other policy development: NIL *(describe any interests relevant to the work, including any provision of advice to government, organisations or institutions involved in policy development)*
 - e. Paid research activities, fellowships or grants: NIL *(describe any paid research activities, fellowships or grants relevant to the TEAP activity)*
 - f. Other interests: NIL
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is allowances by UNEP *(describe funding arrangements and source)*
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not *(have/have not)* declined to disclose information falling within paragraph 10 of those Guidelines *(if have declined, add the following to this statement "and I undertake to ensure that I am completely excluded from discussion and decisions on topics related to the information that I have declined to disclose")*.

- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Jitendra M Bhambure

Date: 25.01.2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

SUELY MARIA MACHADO CARVALHO, independent expert/adviser

I, Suely M. Machado Carvalho, residing in Brazil, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am an independent expert/ consultant. As consultant and senior expert/adviser, I work with several institutions, such as the World Bank (OORG), UNDP, UNE, IGSD, Institute Climate and Society-Brazil and K-CEP. My responsibilities include topics related to Montreal Protocol, Climate Change and energy efficiency.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following (*if answer is yes, describe briefly*)
 - a. Proprietary interests: ***I do not have*** proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: ***I do not have*** ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: (***described above***)
 - d. Government advice and other policy development: ***I do not have any interests relevant to the work, including any provision of advice to government, organisations or institutions involved in policy development***
 - e. Paid research activities, fellowships or grants: (*describe any paid research activities, fellowships or grants relevant to the TEAP activity*)-**None**
 - f. Other interests: N/A
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is Ozone Secretariat/ UNE trust Fund
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that ***I have not*** declined to disclose information falling within paragraph 10 of those Guidelines (*if have declined, add the following to this statement "and I undertake to ensure that I am completely excluded from discussion and decisions on topics related to the information that I have declined to disclose"*).
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.

- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Suely Maria Machado Carvalho

Date: January 15, 2019.

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest *Daniel Colbourne*

I, Daniel Colbourne, residing in UK, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am an engineering consultant. My responsibilities include supporting end users and manufacturers in the application of alternative refrigerants and standards development.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following:
 - a. Proprietary interests: I do not have proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I do not have shares or bonds in an entity with an interest in the subject matter of the meeting or work but own my own consultancy company specialising in alternative refrigerants.
 - c. Employment, consultancy, directorship or other positions: providing technical support to companies involved in this sector.
 - d. Government advice and other policy development: occasional advice and support to government departments in various companies.
 - e. Paid research activities, fellowships or grants: EU Life-front project.
 - f. Other interests: none
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is my own bank account.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: 

Date: 30th January 2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

Gabrielle Dreyfus, Kigali Cooling Efficiency Program

I, Gabrielle Dreyfus, residing in Washington, DC, United States, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am Head of Policies, Standards, and Programs for the Kigali Cooling Efficiency Program, a philanthropic program housed at the ClimateWorks Foundation, seconded part-time from the Institute for Governance & Sustainable Development. My responsibilities include providing advice and supporting implementation of energy efficiency projects.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following
 - a. Proprietary interests: I *do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I *do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: I provide technical expertise and advice to philanthropic and non-governmental organizations that develop knowledge briefs related to energy efficiency in the cooling and refrigeration sectors.
 - d. Government advice and other policy development: none beyond advice and technical support described above.
 - e. Paid research activities, fellowships or grants: none.
 - f. Other interests: I serve on the steering committee for a UN Environment scientific assessment report on efficient and climate-friendly cooling, and on the technical review committee for the Global Cooling Prize.
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is from the philanthropic foundations that support the Kigali Cooling Efficiency Program.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have not* declined to disclose information falling within paragraph 10 of those Guidelines.

- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Gabrielle Dreyfus

Date: January 24, 2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

Bassam ELASSAAD - RTOC Member

I, *Bassam Elassaad*, residing in *Ontario, Canada*, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am (*describe your affiliations, including job title, employing organization*). My responsibilities include (*describe current work interests/areas of focus*).
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following (*if answer is yes, describe briefly*)
 - a. Proprietary interests: *I do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: *I do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work. (*relevant financial relationships between members should be disclosed*)
 - c. Employment, consultancy, directorship or other positions: *I do consulting work for implementing agencies on matters related to the Montreal Protocol. All consultancies are conducted on a short-term assignment basis.*
 - d. Government advice and other policy development: *None*
 - e. Paid research activities, fellowships or grants: *None*
 - f. Other interests: *None*
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is *I conduct all work relating to RTOC and TSBs on an entirely voluntary (unpaid) basis. UNEP Nairobi funds travel and accommodation related to my participation in RTOC and TSB meetings.*
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that *I have not* declined to disclose information falling within paragraph 10 of those Guidelines
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Bassam ELASSAAD

Date: January 28, 2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

I, _____ SAMIR HAMED ALFETIANY _____, residing in _____ AMMAN-JORDAN _____, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am working in PETRA ENGINEERING IND.CO. *as a General Manager of the Company for its Factory and Operation in SAUDI ARABIA and I am also the Research and Development Manager in Petra factory in JORDAN*, I am working in the Company since 1994)
- 3) My responsibilities include:
 - a- Responsible for HVAC equipment design and products development.
 - b- Responsible for the implementation of the company visions, policies, Targets and Goals toward the environment and Climate changes
 - c- Responsible for the research and development department activities in the company including Laboratories
 - d- Managing the operation for the company in Saudi Arabia including the Factory, Sales and after sales activities.
- 4) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 5) My interests, and those of my personal partner and dependents, include the following
 - a. Proprietary interests: *I do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: *I do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions., I am an employee of Petra engineering Ind. Co. I do not have any other positions
 - d. Government advice and other policy development: *(I don't have any interests relevant to the work, including any provision of advice to government, organisations or institutions involved in policy development)*
 - e. Paid research activities, fellowships or grants: *(I don't have any paid research activities, fellowships or grants relevant to the TEAP activity)*
 - f. Other interests: not related to this activity and work

- 6) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is (*Petra Engineering Ind. Co*)
- 7) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have not* declined to disclose information falling within paragraph 10 of those Guidelines
- 8) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 9) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 10) I understand that this DOI will expire no later than one year after I have signed it.

Name: SAMIR HAMED ALFETIANY

Date: 14/1/2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

(Please insert name and affiliation)

I, **Herlin Herlianika**, residing in **Indonesia**, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I work as an independent consultant on Refrigeration and Air Conditioning for international agencies on countries program development, Board of Governor for ASHRAE Indonesia Chapter to assist the stake holders to achieve a sustainable application of refrigeration and air conditioning. I am the Director of my own company that most of works are design engineering on industrial RHVAC which gives the best energy conservation and climate friendly technology application without any conflict of interest on commercials issues.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following
 - a. Proprietary interests: I *do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I *do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: (consultancy for agencies or as Director of my own company described in numeral 2 above).
 - d. Government advice and other policy development: (consultancy for agencies described in numeral 2 above)
 - e. Paid research activities, fellowships or grants: (*None*)
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is (*voluntary*) basis.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have not* declined to disclose information falling within paragraph 10 of those Guidelines .
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.

9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Herlin Herlianika

Date: 25-01-2019

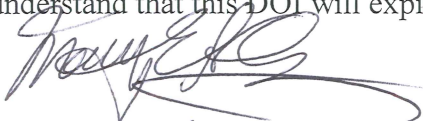
TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest: Mary E. Koban (Chemours Company)

I, Mary E. Koban, residing in Chadds Ford, PA USA, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am an employee of The Chemours Company working in Fluorchemicals on various technical issues, including the modeling, use, safety, handling and flammability of all flammable products, including refrigerants. I am involved with various international safety and use standards under the International Standards Organization (ISO) and International Electrotechnical Commission (IEC.)
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following
 - a. Proprietary interests: I do not have any proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I have shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: I do not have any related positions.
 - d. Government advice and other policy development: I provide technical information about alternatives and options for the transition of MP controlled substances. That information is used by the US government and other International organizations in their implementation of the Montreal Protocol.
 - e. Paid research activities, fellowships or grants: None
 - f. Other interests: None
- 5) The source of funding for my participation in the work of TEAP is my employment at The Chemours Company.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have not* declined to disclose information falling within paragraph 10 of those Guidelines.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name:



Date:

23 January 2019

[Return to Helene.rochat@topten.ch]

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors


Disclosure of Interest

I, Holger König, residing in Lindau, Germany, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I work as an independent consultant in various refrigeration technology projects. I have founded the company ref-tech engineering in 2012, an independent consulting organization today with refrigeration and software experts as partners. Services are related to sustainable technology and product development for equipment and systems operating in transport refrigeration, industrial refrigeration and components such as heat exchangers and compressors. Since 2012 I am working on new refrigeration technologies, including risk assessments for flammable or toxic refrigerants, investigation of annual energy consumption and operation of transport refrigeration equipment, development of safety concepts, hydrocarbon refrigerant strategy project and certification of products. I am member of standardization committees for safety of refrigerating systems and transport refrigeration. Currently I'm working for international companies on future refrigeration technologies. Since 1994 I am working on matters related to the Montreal Protocol. My responsibilities include the development of concepts for energy efficiency improvements and the development of guidelines for energy efficient design and operation.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following
 - a. Proprietary interests: I *do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I *do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: -none
 - d. Government advice and other policy development: -none
 - e. Paid research activities, fellowships or grants: -none
 - f. Other interests: -see above
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is: I conduct all work relating to TEAP/RTOC on an entirely voluntary

(unpaid) basis. German Environmental Department funds (partially) travel and accommodation related to my participation in TEAP/RTOC meetings.

- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have not* declined to disclose information falling within paragraph 10 of those Guidelines.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.



Name:

Date: 19.2.2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

TINGXUN LI, Associate professor of Sun Yat Sen University

I, TINGXUN LI, residing in GUANGZHOU, China, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am an associate professor of Sun Yat Sen University. My responsibilities include teaching and doing the research on refrigeration and cryogenics.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following
 - a. Proprietary interests: I do not have proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I do not have ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: I provide consultation to Midea Group on alternatives to HCFCs.
 - d. Government advice and other policy development: I provide consultation on alternatives to HCFCs to air-conditioner industries as an expert of China's Ministry of Environmental Protection
 - e. Paid research activities, fellowships or grants: I have project on safety assessment of R290 funded by China government.
 - f. Other interests: none
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is UNEP.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: 

Date: 19th Feb, 2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

Bella A. Maranion

I, Bella Maranion, residing in the United States, appointed as member of TEAP's Decision XXX/5 Task Force, declare as follows:

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am a full-time employee of the United States Environmental Protection Agency's (USEPA) Stratospheric Protection Division, Washington, DC. My responsibilities include working as Branch Chief of the Alternatives and Emissions Reduction Branch, Stratospheric Protection Division, and sector analyst in a program that includes reviews of alternatives for various sectors of use in support of the U.S. transition away from ozone-depleting substances (ODS). In this capacity, I work within the various sectors of ODS including the fire suppression sector to review the human health and environmental effects of alternatives to ozone-depleting halons, once widely used in many specialty industrial, military, marine, and aviation applications. I serve as member on a number of technical committees under the International Organization for Standardization (ISO), International Civil Aviation Organization (ICAO), and the National Fire Protection Association (NFPA). I also work on issues such as recovery/recycling and destruction of ODS with related government and nongovernmental organizations and stakeholders in the U.S. The USEPA has an interest in the topics of the Montreal Protocol because the Agency is responsible for implementing national regulations and policies to meet the US commitments under the Protocol. In addition, the USEPA has funded government and non-governmental organizations working on ozone layer protection, atmospheric science, and environmental and health effects research.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following:
 - a. Proprietary interests: I do not have proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or this task force.
 - b. Financial interests: I do not have ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: I am not currently employed, consulting, or hold any other position in any entity which has an interest in the subject matter of this task force.

- d. Government advice and other policy development: My responsibilities at the USEPA may include providing information and advice to stakeholders on the interpretation and compliance with national regulations to protect the ozone layer and related to the transition away from ODS in the U.S. I do not provide advice on significant issues to a government with respect to its implementation of the Montreal Protocol or engage in the development of significant policy positions of a government for a Montreal Protocol meeting.
 - e. Paid research activities, fellowships or grants: I am not performing any paid research activities or receive any fellowships or grants for work related to a proposed use of an ODS or an alternative to a proposed use of an ODS.
 - f. Other interests: I do not have other interests related to the subject matter of this task force.
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is USEPA.
 - 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.
 - 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
 - 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
 - 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Bella A. Maranion

Date: 30 January, 2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

Maher Mousa, Johnson Controls Inc.

I, Maher Mousa, residing in Jeddah, Saudi Arabia_, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am a regional consultant to Johnson Controls Inc. for regulations and energy efficiency policy in the Middle East and the Director of product management and compliance for Johnson Controls Saudi Arabia. My responsibilities include HVAC product strategy and management for JCI business in Saudi Arabia and regulations support for JCI Middle East.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following:
 - a. Proprietary interests: I *do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I *do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: I work as a consultant and director of product group for HVAC equipment manufacturer.
 - d. Government advice and other policy development: I do not provide advice on significant issues to a government with respect to its implementation of the Montreal Protocol or engage in the development of significant policy positions of a government for a Montreal Protocol meeting. However, I receive invitations to provide technical opinions related to HVAC-R industry.
 - e. Paid research activities, fellowships or grants: I do not have interests in paid research activities.
 - f. Other interests:
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is the Ozone Secretariat
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have not* declined to disclose information falling within paragraph 10 of those Guidelines.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.

- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Maher H. Mousa

Date: February 4th, 2019

[Return to Helene.rochat@topten.ch]

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

(Please insert name and affiliation)

I, Tetsuji Okada, residing in JAPAN, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am President of Japan Refrigeration and Air Conditioning Industry Association (JRAIA). My responsibilities include Refrigerators, Air Conditioners and related equipment.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following *(if answer is yes, describe briefly)*
 - a. Proprietary interests: I do not have proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I do not have ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: None.
 - d. Government advice and other policy development: None.
 - e. Paid research activities, fellowships or grants: None.
 - f. Other interests:
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is JRAIA.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Tetsuji Okada

Date: 29/01/2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

Dr Mohamed Alaa Olama.

I, Mohamed Alaa Olama, residing in 16 Nehru Street, Merryland, Heliopolis, Cairo, Egypt, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am an Independent Consultant, self-employed, (*describe your affiliations, including job title, employing organization*). My responsibilities include (*describe current work interests/areas of focus*) design of air conditioning and refrigeration systems, Not In Kind technologies and District Cooling.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following (*if answer is yes, describe briefly*)
 - a. Proprietary interests: I (*do not have*) proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I (*do not have*) ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work. (*relevant financial relationships between members should be disclosed*)
 - c. Employment, consultancy, directorship or other positions: (*describe any interests relevant to the TEAP activity*). Consultancy to UNEP and UNIDO on EGYPPRA low GWP refrigerants program and Not-In-Kind district Cooling program for Egypt and Kuwait- Reviewer of PRAHA program and US DoE Oak Ridge testing program for Low GWP refrigerants.
 - d. Government advice and other policy development: None (*describe any interests relevant to the work, including any provision of advice to government, organisations or institutions involved in policy development*)
 - e. Paid research activities, fellowships or grants: None (*describe any paid research activities, fellowships or grants relevant to the TEAP activity*)
 - f. Other interests: -
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is (*describe funding arrangements and source*) none from my country (A5) or international organizations.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I (*have not*) declined to disclose information falling within paragraph 10 of those Guidelines and I undertake

to ensure that I am completely excluded from discussion and decisions on topics related to the information that I have declined to disclose”).

- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Dr Mohamed Alaa Olama

A handwritten signature in grey ink, appearing to read 'Alaa Olama', is positioned below the printed name.

Date: 25 January 2019.

ROBERTO DE A. PEIXOTO

Updated: 15/02/2019

I, Roberto de Aguiar Peixoto, nominated by Brazil and residing in Sao Paulo, Brazil, member of TEAP, co-chair of RTOC and of a TSB (Task Force XXVII/4) declare as follows:

1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.

2) My responsibilities include:

I work as a Professor of Mechanical Engineering, teaching courses and doing research in the fields of thermal sciences and refrigeration and air conditioning, at the Instituto Maua de Tecnologia, a Technical University in Sao Caetano do Sul, Sao Paulo, Brazil. Occasionally I work as an independent consultant. I consult for various entities. These include organisations dealing with refrigeration and air conditioning issues, and organisations dealing with Montreal Protocol and UNFCCC related climate issues, including the United Nations Development Programme (UNDP). All consultancies are conducted on a short-term assignment basis.

Neither I, nor my wife (occupational therapist and University Professor) or my children own stock or have proprietary interest in companies producing ODS or their alternatives or substitutes.

3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.

4) My interests and those of my wife or children include the following

- Proprietary interests: [None related to ODS or their alternatives]
- Financial interests: [None related to ODS or their alternatives]
- Employment, consultancy, directorship or other positions: [University activities, and consultancy for Implementing Agencies as described in numeral 2 above]
- Government advice and other policy development: [None]
- Paid research activities, fellowships or grants: [None]
- Other interests: [None]

5) I conduct all work relating to TEAP, RTOC and TSBs on an entirely voluntary (unpaid) basis. UNEP Nairobi funds travel and accommodation related to my participation in TEAP, RTOC and TSB meetings.

6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.

7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.

8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP and the RTOC.

9) I understand that this DOI will expire no later than one year after I have signed it.



Roberto de Aguiar Peixoto

Date: February 15, 2019

**TEAP Task Force on Decision XXX/5:
Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors**

Polonara, Fabio - DOI

I, Fabio Polonara, nominated by Italy, residing in Senigallia, Italy, member of TEAP, co-chair of RTOC and member of Energy Efficiency Task Force, declare as follows.

1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies (“the COI Guidelines”) as adopted by the Meeting of the Parties in Decision XXIV/8.

2) I am Professor of Fisica tecnica industriale (Thermal Sciences) at Università Politecnica delle Marche (UNIVPM) in Ancona, Italy. My responsibilities include teaching courses and doing research in the fields of Thermal sciences, Thermal systems, Refrigeration and air conditioning, Renewable energies and Energy saving technologies. It’s also my responsibility doing coordination and administrative work as Department Director. I occasionally work, within UNIVPM terms, as a consultant for Companies, Local Government Bodies and UN Implementing Agencies in fields such as Energy planning, Renewables and Refrigeration. All consultancies are conducted on a short-term assignment basis. At present I am National Delegate for Italy at the International Institute of Refrigeration (IIR).

Neither I, nor my former wife (divorced, an English teacher) nor my children own stock or have proprietary interests in Companies producing ODS or their alternatives or substitutes. I own shares in two Small Enterprises, both Academic Spin-Offs, which, among their scopes, also develop innovative refrigeration systems not containing ODS.

3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.

4) My interests and those of my former wife or children include the following

- Proprietary interests: [I own shares in two Small Enterprises, both Academic Spin-Offs, which, among their scopes, also develop innovative refrigeration systems not containing ODS]
- Financial interests: [None related to ODS or their alternatives]
- Employment, consultancy, directorship or other positions: [University activities and consultancy as described in numeral 2) above]
- Government advice and other policy development: [I occasionally do consultancy for Local Government Bodies and UN Implementing Agencies on energy planning and environmental issues]
- Paid research activities, fellowships, grants: [None related to ODS or their alternatives]
- Other interests: [None related to ODS or their alternatives]

5) I conduct the work for TEAP and RTOC and TSBs on an entirely voluntary (unpaid) basis. Travel expenses associated with TEAP and RTOC and TSBs meetings are paid by the Ministry of Environment of Italy (MATTM) through a Small Scale Funding Agreement (SSFA) with UNEP, Nairobi and by UNIVPM through my research grants.

6) Pursuant to paragraph 11 of the COI Guidelines I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.

7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.

8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP and the RTOC.

9) I understand that this DOI will expire no later than one year after I have signed it.

Fabio Polonara

Date: February 5, 2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

I, Hélène Nathalie Rochat, residing in Zürich, Switzerland appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am a project manager for energy efficiency at Topten (Legal entity: Bush Energie GmbH). My responsibilities include leading projects on heating and cooling, providing policy support for the energy efficiency requirements of appliances, market research and organisation of subsidy programmes for efficient household and commercial appliances.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following (*if answer is yes, describe briefly*)
 - a. Proprietary interests: I **do not have** proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I **do not have** ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work. (*relevant financial relationships between members should be disclosed*)
 - c. Employment, consultancy, directorship or other positions: see above.
 - d. Government advice and other policy development: see above
 - e. Paid research activities, fellowships or grants: grant received from a Horizon2020 to promote energy efficiency heating and cooling solutions (Project name: HACKS)
 - f. Other interests:
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is from my employer and the utility of the Canton of Zurich.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I **have not** declined to disclose information falling within paragraph 10 of those Guidelines (*if have declined, add the following to this statement "and I undertake to ensure that I am completely excluded from discussion and decisions on topics related to the information that I have declined to disclose"*).

- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Hélène Rochat

Date: January 22nd, 2019

TEAP Task Force on Decision XXX/5: Access of parties operating under paragraph 1 of Article 5 of the Montreal Protocol to energy-efficient technologies in the refrigeration, air conditioning and heat-pump sectors

Disclosure of Interest

Nihar Kaushik Shah, Lawrence Berkeley National Laboratory

I, Nihar Kaushik Shah, Indian Citizen, residing temporarily in the United States of America, appointed as member of TEAP's Decision XXX/5 Task Force declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am a Research Scientist and Deputy Group Leader of the International Energy Studies Group at the Lawrence Berkeley National Laboratory, Berkeley USA. My responsibilities include managing and conducting scientific research on the energy efficiency of appliances including air-conditioning and refrigeration appliances to provide policy-relevant technical information in the public interest to governments, multilateral and international agencies, non-governmental organizations, industry and academia.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents, include the following (*if answer is yes, describe briefly*)
 - a. Proprietary interests: I *do not have* proprietary interest in a substance, technology or process to be considered by TEAP or any of its TOCs or temporary subsidiary bodies (e.g. task forces).
 - b. Financial interests: I *do not have* ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - c. Employment, consultancy, directorship or other positions: As described above, I am employed by Lawrence Berkeley National Laboratory.
 - d. Government advice and other policy development: See above under 2)
 - e. Paid research activities, fellowships or grants: See above under 2)
 - f. Other interests:
- 5) The source of funding for my participation in the work of the TEAP Decision XXX/5 Task Force is from various sources including governmental and philanthropic funds in the public interest.
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I *have not* declined to disclose information falling within paragraph 10 of those Guidelines
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP Temporary Subsidiary Body.

9) I understand that this DOI will expire no later than one year after I have signed it.

Name: Nihar Shah

Date: 1/16/2019

Rajendra Shende

Chairman TERRE Policy Centre

Advisor Media India Group

Former Director UNEP

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Tel: Office +91 20 25448488

www.terrepolicycentre.com

www.rajendrashende.com

I, **Rajendra Madhavrao Shende**, residing in Pune, India, nominated to TEAP by India declare as follows.

I was **Director** in the United Nations Environment Programme (UNEP) where I served as global head of UNEP's OzonAction Programme.

I had provided direct strategic advice to more than 100 developing countries in formulation and implementation of the Montreal Protocol. Apart from being reviewer and contributor for IPCC's special report on '*Methodical and Technological issues in Technology Transfer*', (2000), I was Coordinating Lead Author ('CLA) of IPCC-Intergovernmental Panel on Climate Change that shared the Nobel Peace Prize in 2007 with Al Gore.

I was member of the strategic committee for the publications of UNEP that included: UNEP Synthesis report on: '*HFCs: Critical link between protecting Climate and Ozone*' (2011), UNEP report on Nitrous oxides, '*Drawing Down N2O to Protect Climate and the Ozone Layer*' (2014).

I was also expert reviewer of UNEP/WMO's Scientific Assessment Panel's report: '*Scientific Assessment of Ozone Depletion-2014*' and 'UNEP's Emission Gap' report of 2015 and 2018 .

1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.

2) I am the **Chairman of not-for-profit organization TERRE Policy Centre**, registered in India with energy and food security as its focal areas of work. I am invited by **Government of India** from time to time to provide to them with technical advice on implementation of the Montreal Protocol, Paris Climate Agreement and World Heritage Committee of UNESCO. I also serve as an advisor in following organizations:

- a. MIT-World Peace University , Pune, India, Governing Body (Educational Institute)
- b. Media India, Paris and New Delhi (Agency that promotes collaboration between India and Europe)
- c. Operation Earth, Beijing, China , Not-for-profit organisation and IUCN member working on Nature conservation
- d. PandaGuide, Beijing , China , CSR arm of Sinochem , China engaged in biodiversity and social initiatives
- e. China Biodiversity Conservation and Global Development Foundation (CBCGDF) , Beijing China , IUCN member not-for-profit organisation .
- f. Since Jan 2017, I am Senior Expert on TEAP .

3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.

4) My interests, and those of my personal partner and dependents include the following (if answer is yes describe briefly)

- Proprietary interests: I do not have proprietary interest in substance, technology or process to be considered by TEAP or any TOC or any temporary subsidiary body.
- Financial interests: I do not have ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
- Employment, consultancy, directorship or other positions: I do not have any employment, contractual consultancy, commercial positions of remunerative in nature.
- Government advice and other policy development: Government of India and other governments request my advice on alternate technologies and policies related to sustainable development.
- Paid research activities, fellowships or grants: None
- Other interests: None of commercial nature

5) The source of funding for my participation in the work of TEAP is to be sourced from UNEP

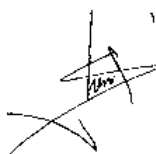
6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.

7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.

8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP body.

9) I understand that this DOI will expire no later than one year after I have signed it.

Signed:



(Rajendra Shende)

Date: 18 Jan 2019.

Montreal Protocol Declaration of Interest 2019

Ashley Woodcock

I, Professor Ashley Woodcock, residing in Manchester UK, nominated to TEAP by the United Kingdom, declare as follows.

- 1) I have read the Conflict of Interest and Disclosure Guidelines for the Technology and Economic Assessment Panel, Its Technical Options Committees and Temporary Subsidiary Bodies ("the COI Guidelines") as adopted by the Meeting of the Parties in Decision XXIV/8.
- 2) I am a Consultant Respiratory Physician and Professor of Respiratory Medicine.
- 3) This declaration constitutes my written agreement, pursuant to paragraph 8 of the COI Guidelines, to comply with the Guidelines. I understand that this written agreement is a condition of my service.
- 4) My interests, and those of my personal partner and dependents include the following (if answer is yes describe briefly)
 - Proprietary interests: I do not have proprietary interest in substance, technology or process to be considered by TEAP or any TOC or any temporary subsidiary body.
 - Financial interests: I do not have ownership, shares or bonds in an entity with an interest in the subject matter of the meeting or work.
 - Employment, consultancy, directorship or other positions: I carry out research in novel respiratory treatments, which do not use CFCs or HFCs. I act as non-Executive Chairman for three biotechnology companies (Clinical Trials, Allergy Diagnostics, Cough Therapy) none of which have any relevance to the Montreal Protocol.
 - Government advice and other policy development: I am an invited member of the low carbon inhaler working group for the UK NHS Sustainable Development Unit
 - Paid research activities, fellowships or grants: NO
 - Other interests:
- 5) The source of funding for my participation in the work of TEAP : Travel/Hotels are supported by Manchester University NHS Foundation Trust; My time commitment is voluntary
- 6) Pursuant to paragraph 11 of the COI Guidelines, I declare that I have not declined to disclose information falling within paragraph 10 of those Guidelines.
- 7) I undertake to disclose any material change to any of the above information, pursuant to paragraph 9 of the COI Guidelines, within 30 days of any such change.
- 8) I undertake to make further declarations of interest annually for so long as I remain a member of the TEAP body.
- 9) I understand that this DOI will expire no later than one year after I have signed it.

Signed: Ashley Woodcock

Date: 19 Feb 2018