

STANDARD DECLARATION OF INTERESTS (DOI) FORM

Definitions:

“**Activity**” or “**Activities**” (capitalised ‘A’) means an activity or activities of or under the Group of Chief Scientific Advisors for instance in its formation as Coordination Group or in sub-groups, or that or those in relation thereto, for example, SAPEA Working Groups.

"**Conflict of interest**" means any situation where an individual has an interest that may compromise or be reasonably perceived to compromise the individual’s capacity to act independently and in the public interest when providing advice to the Commission in relation to Activities performed.

"**Immediate family member**" means the individual’s spouse, children and parents. "Spouse" includes a partner with whom the individual has a registered non marital regime. "Children" means the child(ren) the individual and the spouse have in common, the own child(ren) of the individual and the own child(ren) of the spouse.

"**Legal entity**" means any commercial business, industry association, consultancy, research institution or other enterprise whose funding is significantly derived from commercial sources. It also includes independent own commercial businesses, law offices, consultancies or similar.

"**Body**" means a governmental, international or non-profit organisation.

"**Meeting**" includes a series or cycle of meetings.

Please answer each of the questions below. If the answer to any of the questions is "yes", please briefly describe relevant interests and circumstances, as appropriate.

If you do not describe relevant interests and your DoI form is considered to be incomplete, or if declared interests are considered to constitute a Conflict of Interest, you may be excluded from all or part of the Activities.

First name: Goran

Family name: Strbac

Date: July 2020

Description of the Activity: SAPEA Project on the Systemic Approach For the Energy Transition in Europe (SAFETE)".

1 EMPLOYMENT CONSULTANCY AND LEGAL REPRESENTATION

	Within the past 5 years, were you employed or have you had any other professional relationship with a natural or legal entity, or held any non-remunerated post in a legal entity or other body with an interest in the field of the Activity in question?	Yes	
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<i>Ia</i>	<i>Employment</i>	Yes	<input type="checkbox"/>
<i>Ib</i>	<i>Consultancy, including services as an advisor</i>	Yes	<input type="checkbox"/>
<i>Ic</i>	<i>Non-remunerated post</i>	Yes	<input type="checkbox"/>
<i>Id</i>	<i>Legal representation</i>	<input type="checkbox"/>	No

<i>activity</i>	<i>time period (from... until month/year)</i>	<i>name of entity or body</i>	<i>description</i>
Professor of Energy Systems	From Jan 2005	Imperial College London	Leadign research in advanced modelling and analysis of operation, planning, security and economics of future energy systems. This novel analysis, approaches and methodologies have been extensively used to inform governments, regulatory bodies and industry, about cost effective evolution to resilient low carbon energy future.
Leading Author of Sixth Assessment Report IPCC	From October 2018	Intergovernmental Panel on Climate Change (IPCC)	My focus is on whole-system inegration which is important for faciliating cost effective energy system decarbonisation
Member of OFGEM Challenge Group for RIIO-2	From Sep 2018	Office of Gas and Electricity Markets OFGEM (UK Energy Regulator)	The objective of this Group is to provide challenge to the energy network companies on their business plan propositions and to Ofgem on their regulatory framework, on behalf of existing and future consumers.
Member of Electricity Engineering Standards Review Independent Panel	From Apr 2019	UK Department for Busmines, Energy and Indisgtrial Strategy and Office of Gas and Electricity Markets OFGEM	The objective of the Panel is to consider how the planning and, where appropriate, operational and investment engineering standards should be updated in the face of changing electricity system, whilst

			maintaining security of supply to consumers.
Member of IEA TASK 25 - Research, Development and Deployment of Wind Energy	From 2016	International Energy Agency (IEA) Systems	Management of wind generation variability, planing of wind generation dominated systems
Member of Energy Systems Integration Workign Group (non-remunerated position)	From 2017	European Energy Research Alliance	Supporting analysis of future whole-energy system integration
Member of UK Government Panel of Technical Experts for Electricity Market Reform implementation	Jun 2014 – May 2019	UK Government Energy Department	PTE is an advisory group who were appointed by UK Government to perform a specific and technical function as part of the first Electricity Market Reform delivery plan process and impenetation of Capacity Market in the UK
Director of the joint Imperial-Tsinghua Research Centre on Intelligent Power and Energy Systems	From March 2019	Imperial College and Tsinghua University	Joint Centre is focused on applying next-generation technologies and intelligent control strategies to drive a cost effective transition to a low-carbon power and energy system

2 MEMBERSHIP OF MANAGING BODY, SCIENTIFIC ADVISORY BODY OR EQUIVALENT STRUCTURE

	Within the past 5 years, have you participated in the internal decision-making of a legal entity or other body with an interest in the field of Activities in question or have you participated in the works of a Scientific Advisory Body with voting rights on the outputs of that entity?		No
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2a	<i>Participation in a decision-making process</i>		<input type="checkbox"/>	<input type="checkbox"/>
2b	<i>Participation in the work of a Scientific Advisory Body</i>		<input type="checkbox"/>	<input type="checkbox"/>
<i>Activity</i>	<i>Time period (from... until month/year)</i>	<i>Name of legal entity or body</i>	<i>Description</i>	

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3 RESEARCH SUPPORT

	Within the past 5 years, have you, or the research entity (institute or department) to which you belong, received any support from a legal entity or other body with an interest in the field of Activities in question?	yes	no
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<i>3a</i>	<i>Research support, including grants, rents, sponsorships, fellowships, non-monetary support</i>	Yes	<input type="checkbox"/>
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<i>Activity</i>	<i>Time period (from... until month/year)</i>	<i>Name of legal entity or body</i>	<i>Description</i>
Value of Flexibility in a Decarbonised Grid and System Externalities of Low-Carbon Generation Technologies	Jan 15 – Oct 15	UK Committee on Climate Change	Core evidence provided regarding the benefits of flexibility in future low carbon energy systems – system integration cost of low carbon generation is quantified
An analysis of electricity system flexibility for Great Britain	Dec 15 – Nov 16	UK Government: Department of Business, Energy and Industrial Strategy	Fundamental modelling demonstrated that technologies that provide flexibility will be critical for solving the future challenges of a low carbon electricity system at least cost and lowest risk
Road map for flexibility services	Oct 16 - May17	UK Committee on Climate Change	Modelling carried out to provide fundamental evidence for setting the road-map for deployment of flexibility services to support cost effective energy system decarbonisation
Analysis of Alternative UK Heat Decarbonisation Pathways	Dec 17 – Aug 18	UK Committee	In depth analysis of alternative approaches for

		on Climate Change	decarbonisation of heat sector in the UK
EU H2020 project: Plan4res	Nov 17- Apr 21	European Commission	Synergistic approach of multi-energy models for European optimal energy system, focused on transmission planning under uncertainty
EU H2020 project: SysFlex	Nov 17- Oct 21	European Commission	Pan-European system with an efficient coordinated use of flexibilities for the integration of a large share of RES
Decarbonisation of heat sector in the UK	Nov 19 - Nov'20	UK Government: Department of Business, Energy and Industrial Strategy	Modelling of alternative heat sector decarbonisation pathways
Integrated Development of Low-Carbon Energy Systems	Nov 18 - Oct 23	UK Engineering and Physical Sciences Research Council (EPSRC)	This project aims to tackle very challenging modelling required for integrated energy systems by combining multi-physics optimising techno-economic models with machine learning of human behaviour and operational models emerging multi-carrier network and conversion technologies
Active Building Centre	Apr 20 – Sep 22	UK Engineering and Physical Sciences Research Council (EPSRC)	Assessing the benefits of future Active Buildings in facilitating cost effective energy system decarbonisation while enabling effective multi-vector energy optimisation at building, community and national level.
e4Future	Oct 18 – Sep 21	Innovate UK	This project proposes a large-scale demonstrator of up to 1,000 battery electric

			vehicles (BEVs) and novel bidirectional chargers (V2G).
JPI Urban Europe/NSFC: Socio-Techno-Economic Pathways for sustainable Urban energy development	May 19 - Apr 22	Joint Programming Initiative Urban Europe / National Natural Science Foundation of China	Joint EU and China project focused on comprehensive assessment framework to investigate the optimal Socio-Techno-Economic pathways towards an efficient, clean and resilient urban energy system
EU H2020 Project: Merlon	Nov 17- Oct 21	European Commission	Decentralised and affordable solutions for integration of RES
EU H2020 Project: TradeRES	Feb 20 - Jan 24	European Commission	Tools for the Design and modelling of new markets and negotiation mechanisms for a ~100% Renewable European Power Systems
EU FP7: eStorage project - feasibility of flexible large-scale energy storage	Oct 2012 – Sep 2017	European Commission, Seventh Framework Programme	Development of cost-effective solutions for the widespread deployment of flexible, reliable, GWh-scale storage across EU to allow the integration of large share of renewable
IndustRE project: Innovative Business Models for Market Uptake of Renewable Electricity unlocking the potential for flexibility in the Industrial Electricity Use	Jan 2015 – Dec 2017	EU H2020	Investigation of the role and value of flexibility of the industrial electricity demand to support further growth of variable renewable energy, while reducing the industrial electricity costs and contributing to the European energy policy goals.
Whole Systems Energy Modelling Consortium (WholeSEM)	Jul 2013 – Jun 2018	UK Engineering and Physical Sciences Research Council (EPSRC)	Development of integrated state-of-the-art energy system models

4 FINANCIAL INTERESTS

	Do you have current investments in a legal entity with an interest in the field of Activities in question, including holding of stocks and shares, and which amounts to more than 10,000 EUR per legal entity or entitling you to a voting right of 5% or more in such legal entity?		No
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4a	Shares	<input type="checkbox"/>	X
4b	Other stock	<input type="checkbox"/>	X

<i>Investment</i>	<i>Name of legal entity</i>	<i>Description</i>

5 INTELLECTUAL PROPERTY

	Do you have any intellectual property rights that might be affected by the outcome of the Activities in question?		No
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5a	Patent, trademarks, or copyrights	<input type="checkbox"/>	X
5b	Others	<input type="checkbox"/>	X

<i>Intellectual property</i>	<i>Description</i>

6 PUBLIC STATEMENTS AND POSITIONS

	<i>Within the past 5 years, have you provided any expert opinion or testimony in the field of Activities in question, for a legal entity or other body as part</i>		no
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	<i>of a regulatory, legislative or judicial process? Within the past 5 years have you held an office or other position, paid or unpaid, where you represented interests or defended a public statement or position in the field of Activities in question?</i>		
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6a	For a legal entity or other body as part of a regulatory, legislative or judicial process	<input type="checkbox"/>	X
6b	Represented interests or defended an opinion	<input type="checkbox"/>	X

Activity	Time period (from... until month/year)	Name of legal entity or body	Description

7 INTERESTS OF IMMEDIATE FAMILY MEMBERS

No

7a	To your knowledge, are there any interests of your immediate family members which could be seen as undermining your independence when providing advice to the Commission in the field of the Activities in question?	<input type="checkbox"/>	X
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<i>Interests</i>	<i>Time period (from... until month/year)</i>	<i>Name of legal entity or body</i>	<i>Description</i>

7b	<i>If interests of your immediate family members are declared, it is your responsibility to inform them about the collection and publication of information on their interests included in the</i>
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	<i>DoI and to provide them with the privacy statement attached to the guidance for filling in this DoI, and this at the latest when you file the DoI form with the Commission.</i>
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8 OTHER RELEVANT INFORMATION **yes** **no**

8a	Are there any other elements that could be seen as undermining your independence when providing advice to the Commission in the field of the Activities in question?	<input type="checkbox"/>	X
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Description:

I hereby declare on my honour that I have read the guidance for completing this form. I also declare on my honour that the information disclosed in this form is true and complete to the best of my knowledge.

Should there be any change to the above information, including as regards upcoming activities, I will promptly notify the competent department or entity and complete a new DoI form describing the changes in question.

I am informed that my personal data are stored, processed and published in accordance with the applicable data protection legislation.

I have been informed that this form may be shared with the European Commission and will be publicly available once the SAPEA report is published.

Date: 8 Sept 2020

Signature:

