

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: Johannes

Family name: Quaas

Date: 21 September 2023

Description of the Activity: **Solar Radiation Modification (SRM)**

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>1a</i>	<i>Employment</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>1b</i>	<i>Consultancy, including services as an advisor</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>1c</i>	<i>Non-remunerated post</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>1d</i>	<i>Legal representation</i>	<input type="checkbox"/>	<input type="checkbox"/>

<i>activity</i>	<i>time period (from... until month/year)</i>	<i>name of entity or body</i>	<i>description</i>
1a University professor for Theoretical Meteorology	since 4/2011	Leipzig University	Research and teaching in climate physics

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?	yes	
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<i>2a</i>	<i>Participation in a decision-making process</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>2b</i>	<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>
2b Lead author, working group 1, chapter 2	05/2018 – 11/2021	Intergovernmental Panel on Climate Change	Scientific assessment of the changing state of the climate system
2b Biological and	02/2021 – 02/2022	US Department of	Advice on

Environmental Research Advisory Committee, Subcommittee working group on Climate Science		Energy	climate science activities
2b member of scientific advisory board	since 04/2017	Leibniz-Institute for Tropospheric Research	Federal-/State-Government research institute
2b member of scientific steering committee	since 11/2022	German Climate Computing Centre	High-performance computing

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	
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<i>3a</i>	<i>Research support, including grants, rents, sponsorships, fellowships, non-monetary support</i>	x	<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>
Climate model Parameterisations informed by RADar	2019 – 2021	Deutsche Forschungsgemeinschaft	research project on climate model improvement using radar
Cloud response to Volcanic eruptions	2019 – 2025	Deutsche Forschungsgemeinschaft	research project on understanding aerosol-cloud interactions from volcanic eruptions
ArctiC Amplification: Climate Relevant Atmospheric and SurfaCe Processes, and Feedback Mechanisms	2020 – 2023	Deutsche Forschungsgemeinschaft	research project on understanding Arctic climate change
Cloud Droplet Number Concentration - satellite	2021 – 2024	Deutsche Forschungsgemeinschaft	research project on exploiting

retrievals Advanced by Atmospheric models for Assessing Aerosol-Cloud Interactions			satellite observations for understanding aerosol-cloud interactions
Cloudiness change with aerosol trend reversal over China: data-model synergy from regional to large scale	2021 – 2024	Deutsche Forschungsgemeinschaft	research project on analysing trends to understand cloud fraction changes
Atmosphären-Modelldaten: Datenqualität, Kurationskriterien und DOI-Branding	2019 – 2022	German Federal Ministry for Education and Research	research project for climate model data re-usability
Contrast between hemispheres in aerosol impact on cloud erosion	2020 – 2022	German Federal Ministry for Education and Research	research project to exploit the hemispheric contrast to understand aerosol-cloud interactions
WarmWorld, Module Better, Calibration of liquid-cloud microphysics in ICON	2023 – 2027	German Federal Ministry for Education and Research	research project to improve a new kilometre-resolution climate model
Constraining uncertainty of multi decadal climate projections	2019 – 2024	European Commission Horizon 2020	research project to quantify the effective radiative forcings of climate
Constrained aerosol forcing for improved climate projections	2019 – 2024	European Commission Horizon 2020	research project to improve aerosol-cloud interactions in climate models
innovative MachIne leaRning to constrain Aerosol-cloud CLimate Impacts	2020 – 2024	European Commission Horizon 2020 (Marie Curie Innovative Training Network)	research project to better quantify aerosol-cloud interactions from satellite data
Advancing the Science for Aviation and ClimAte	2020 – 2024	European Commission Horizon 2020	research project to quantify the aviation-induced cloud

			perturbations
Aerosol-cloud interactions under a transition to a post-fossil aerosol regime	2024 – 2028	European Commission Horizon Europe	research project to predict convection changes as air quality improves

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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<i>4a</i>	<i>Shares</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>4b</i>	<i>Other stock</i>	<input type="checkbox"/>	<input type="checkbox"/>

<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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<i>5a</i>	<i>Patent, trademarks, or copyrights</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>5b</i>	<i>Others</i>	<input type="checkbox"/>	<input type="checkbox"/>

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

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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 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>		no
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6a	For a legal entity or other body as part of a regulatory, legislative or judicial process	<input type="checkbox"/>	<input type="checkbox"/>
6b	Represented interests or defended an opinion	<input type="checkbox"/>	<input type="checkbox"/>

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

7 INTERESTS OF IMMEDIATE FAMILY MEMBERS **yes** **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?		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>

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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 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?				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: 3 November 2023

Signature:

