

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: Alessandra

Family name: Sanson

Date:

Description of the Activity: [...Systemic Approach for the Energy Transition in Europe....]

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?	<input checked="" type="checkbox"/> s	<input type="checkbox"/> no
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<i>1a</i>	<i>Employment</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>1b</i>	<i>Consultancy, including services as an advisor</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>1c</i>	<i>Non-remunerated post</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>1d</i>	<i>Legal representation</i>	<input checked="" 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>
Senior researcher at the Institute of Science and Technology for Ceramics of the National Research Council (CNR) of Italy	2003-ongoing	National Research Council of Italy (CNR)	With a background in low carbon technologies, the work now encompasses the hydrogen economy (high temperature electrolyzers and fuel cells), solar conversion technologies (emerging photovoltaics power to fuels and chemicals, direct solar conversion, photoelectrochemical cells, etc) and storage technologies (chemical storage, solid state batteries and supercapacitors). The technological issues are tackled taking into account aspects such as sustainability, resilience of the energy system and circular economy. For example she researched how to replace petrochemical building blocks for chemicals, fuels and materials with ones

			<p>obtained by the green conversion of CO₂, thereby transforming carbon dioxide from a pollutant to a future raw material. The knowledge acquired in studying both energy production and storage, gave her a clear vision on the entire value chain necessary to develop an integrated, self-sustained energy system. The work on environmental protection and depollution rounds up the systemic approach to the green transition. The work includes also public confrontation with members of society, ONG, citizens and policy makers on these issues. Institutionally, she represents CNR and its Department of Chemical Science and Materials Technologies (DSCTM-CNR), in several national and international working groups and bodies related to energy technological development and energy policies (see next lines)</p>
<p>Scientific Rapporteur of the APRE working groups “towards Horizon Europe” for the Cluster 5- Climate, Energy and Mobility</p>	<p>March/2020 ongoing</p>	<p>APRE, the Agency for the Promotion of European Research, is a non-profit research organization. For over twenty-five years, APRE, in close collaboration with the Ministry of Education, University and Research (MIUR), has provided its members as well as businesses, government</p>	<p>The work is focused on coordinate the work of the APRE members in the group in order to identify the main topics of interests for Italy to be indicated for the Horizon Europe in order to set a proper document to propose to the Italian representatives delegated to discuss the next framework programme</p>

		<p>agencies, and private individuals, information, support and assistance for participation in national and European programmes and collaborative initiatives (today, with particular reference to Horizon 2020) in the field of Research, Technological Development and Innovation (RTDI) and in the transfer of research results.</p> <p>APRE was created in 1989 as a joint initiative of the Italian Ministry of Education, University and Research (MIUR) and some public and private bodies in order to meet the growing demand for information on European research programmes. First reality of its kind, APRE has been supporting the scientific and the industrial community for over 20 years in the path to Europe, and today, to the World, through offering information, training and assistance activities on the participation rules of the Framework Programme of the European Commission. APRE hosts the Italian National Contact Points for Horizon 2020</p>	
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<p>CNR representative in the Italian network for the development of photovoltaic technologies</p>	<p>July/2019-ongoing</p>	<p>The network was built on the basis of a CSA funded by the EC under Horizon 2020 (PV-IMPACT) with the aim to develop an integrated system able to catalyse the Italian public-private bodies interested in a photovoltaics.</p>	<p>The work in the months was devoted in gain information about activities and active members of the communities and to identify two expertise an interest to be focused on two main pillars. The work it will soon finalized in the definition of a possible National Strategic Plan on Photovoltaics.</p>
<p>CNR representative in the Italian Round Table for the Hydrogen Technologies in the thematic groups “Generation, storage and Power to gas” of the Ministry of Economic Development of Italy</p>	<p>June 2019-ongoing</p>	<p>Ministry of Economic Development (MiSE) of Italy</p>	<p>The Italian Integrated Plan on Energy and Climate stresses the important future role of Hydrogen in the Italian energy system. For this reason, the Ministry of Economic Development (Mi SE) set up three different thematic working tables in order to identify the need and potentialities of the italian research and industrial system. In the first couple of meeting have the opportunity to check and propose possible projects to develop the Hydrogen economy in Italy.</p>
<p>Member and scientific secretary of the italian NAO (National Associate Organization) for the International Union for Pure and Applied Chemistry (IUPAC)</p>	<p>March 2019 - ongoing</p>	<p>The International Union of Pure and Applied Chemistry (IUPAC) is the world authority on chemical nomenclature and terminology, including the naming of new elements in the periodic table; on standardized methods</p>	<p>National Adhering Organizations (NAOs) are the formal Members of the Union each of which represents the chemists in its country. A National Adhering Organization may be a national chemical council, a national society representing chemistry, a</p>

		<p>for measurement; and on atomic weights, and many other critically-evaluated data.</p> <p>A neutral and objective scientific organization, IUPAC was established in 1919 by academic and industrial chemists who shared a common goal – to unite a fragmented, global chemistry community for the advancement of the chemical sciences via collaboration and the free exchange of scientific information. Throughout its long history IUPAC has fulfilled that goal through the creation of a common language and the standardization of processes and procedures.</p> <p>But IUPAC is about much more than nomenclature and the naming of elements. We are a leader in the provision of objective scientific expertise for the resolution of critical global issues that involve every aspect of chemistry, all of which have societal impact.</p>	<p>national academy of science, or any other institution or association of institutions representative of national chemical interests.</p> <p>The activities in NAO Italy are now focused on promote chemistry in all its form with a special focus on sustainability</p>
<p>Representative of the CNR Department of Chemical Science and Materials Technologies (DSCTM-CNR) in</p>	<p>March 2018-ongoing</p>	<p>Ravenna Municipality</p>	<p>The area of Ravenna is well known to be an important hub for the chemical industry in Italy. Recently, due to the economic crisis and of a misleading conception of</p>

<p>the Chemistry Observatory of the Ravenna Municipality for the re-qualification of the chemistry hub. Member of the Coordination and “Innovation Research and Development” Groups</p>			<p>the chemistry in general, the area underwent a progressive loose in the actor involved and activities done. For the importance for the area and the strategic position however, the municipality has decided to join research actors and stakeholders in the attempt to propose a rationale and feasible relaunch plan, able to take in consideration not only the pure chemistry sector, but also the one directly connected, such the materials production and oil and gas industry.</p>
<p>Coordinator of the activities of the CNR Department of Chemical Science and Materials Technologies (DSCTM-CNR) in Mission Innovation</p>	<p>February 2017 - ongoing</p>	<p>Mission Innovation (MI) is a global initiative of 24 countries and the European Commission (on behalf of the European Union) working to reinvigorate and accelerate global clean energy innovation with the objective to make clean energy widely affordable. MI was announced at COP21 on November 30, 2015, as world leaders came together in Paris to commit to ambitious efforts to combat climate change.</p>	<p>Three researchers of the DSCTM are involved in MI as national focal points. The activities are devoted to coordinate and keep the flow of information among the different national focal point of DSCTM as well as develop a common approach among the DSCTM and the other CNR representatives.</p>
<p>Italian Focal Point in Mission Innovation for the challenge</p>	<p>February 2017 - ongoing</p>	<p>Mission Innovation working group</p>	<p>The activities are focused on harmonized the information among the different partners belonging</p>

<i>“Conversion of sunlight to fuels and other forms of chemical energy storage”</i>			to the group in order to propose a common approach for the development of the researches on the main themes typical of the solar conversion to fuels and chemicals
Coordinator of the working groups “Advanced materials” and “Chemistry for renewable energies” of the CNR Department of Chemical Science and Materials Technologies (DSCTM-CNR)	February 2017 - ongoing	Department of Chemistry and Materials Sciences (DSCTM) of the National Research Council (CNR) of Italy	The role is to coordinate and promote integrated actions among the DSCTM’s researchers toward common projects and activities in the two main areas indicated above.
PI	2016-2017	Edison SpA	The work was focused on Development of components for protonic solid oxide fuel cells
Member of the MIUR consultancy board for the Energy Challenge of H2020	May 2016- ongoing	Ministry of University and Research (MUR)	The main activities focus on revising the main documents presented by the Italian delegates in EC and discuss possible activities to promote and develop the Italian energy systems. Part of the board is constituted by the Italian representatives in the SET-Plan
November 2016- Member of the CNR Task Force in Mission Innovation for the challenge <i>“Conversion of</i>	January 2016- ongoing	National Research Council of Italy (CNR)	Task force set by CNR to better tackle the activities related to Mission Innovation. Each member is devoted to keep updated and implement the activities of CNR in the

<i>sunlight to fuels and other forms of chemical energy storage”</i>			particular challenge as well as plan specific action of discovery and promotion of the research in the area
PI	2015-2016	RSE S.p.A	Ceramic Membranes for Oxygen Separation ad high temperature” the work was focused on developing ceramic membranes to be used in the purification of high temperatures gas stream for oxyfuel processes
Coordinator of the group number two (Decarbonisation Technologies) of the table for the decarbonisation of Italy, set by the vicepresident of the Board of Ministries of Italy.	May 2015-December 2017	Vice-presidency of the Board of Ministries of Italy	The table was set to propose to the EC an italian energy plan able to take into account the italian needs in terms of territory, possible technology and industrial needs. Focus of the table on decarbonising technologies was to identify the technologies mostly suited for Italy with the highest decarbonisation potentiality and put them into the context technology readiness, costs and possible applicability.
CNR representative in Air en (Italian Alliance for the Research on Energy) and in the Joint Program “Energy Storage” of EERA (European Energy research Alliance)	2011-2017	The European Energy Research Alliance (EERA) is an alliance of European public research centres and universities. It is one of the cornerstones of the European Strategic Energy Technology Plan. EERA brings together more than 150 research centres and universities. Actively working together on 17 joint	As active CNR representative in European Energy Research Alliance (EERA) the activity was to contribute to develop a common approach for the research on storage among the different participating countries. The activities lead also to the issue of the join EERA-EASE European Energy Storage Technology Development roadmap.

		research programmes, they build on national research initiatives. In a Joint Programme a research organisation join institutions in other European countries on shared priority setting and research projects.	
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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	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>	

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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3a	<i>Research support, including grants, rents, sponsorships, fellowships, non-monetary support</i>	<input checked="" type="checkbox"/>	<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>
ISTEC-CNR PI in Erasmus Mundus Doctoral Programme in Sustainable Industrial Chemistry (SINCHEM)	2016-2019	European Union – FP7	Responsible for the work of PhD student involved in sustainable chemistry (in particular conversion of CO ₂ into chemicals)
ISTEC PI in “Evolved materials and innovative design for high performance, durable and reliable SOFC cell and stack” (EVOLVE)	2012 - 2017	European Union – FP7 – Hydrogen Joint Initiative	Collaborative project on development of new low temperature SOFC integrated in a metallic porous support
ISTEC PI in the Programme Agreement CNR-MiSE for the Integrated research on the electrical system	2019 - ongoing	Ministry of Economic Development of Italy)	Collaborative National Project on Frontier Materials for the energy sector and High efficiency Photovoltaics
ISTEC PI in the Programme Agreement CNR-MiSE for the Integrated research on the electrical system	2014 - 2018	Ministry of Economic Development of Italy)	Collaborative National project on Materials and enabling technologies for the research on the electric systems: Study and development of ceramic membranes for biogas valorisation and Electrochemical Systems for Energy generation and storage
ISTEC PI in the PON Project – Best4you	2020 - ongoing	Ministry of University and Research (MUR)	Collaborative National project on the development of innovative tandem solar cells
ISTEC PI in the Progetto Premiale “Mater”	2015	Ministry of University and Research (MUR)	Collaborative National project on the development

			of new materials for a clean energy transition
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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?	yes	no
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4a	Shares	<input type="checkbox"/>	<input type="checkbox"/>
4b	Other stock	<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?	yes	no
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5a	Patent, trademarks, or copyrights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5b	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<i>Intellectual property</i>	<i>Description</i>
Italian Patent (102016000023596)	Composite material based on hydroxiapatite doped with Ti or Fe on organic supports to be used in dye sensitized solar cells

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>	yes	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?	<input type="checkbox"/>	<input type="checkbox"/>
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Interests	Time period (from... until month/year)	Name of legal entity or body	Description

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?	<input type="checkbox"/>	<input type="checkbox"/>
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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: _____

Signature: _____