

Closing the gap between light duty vehicle real-world CO₂ emissions and laboratory testing

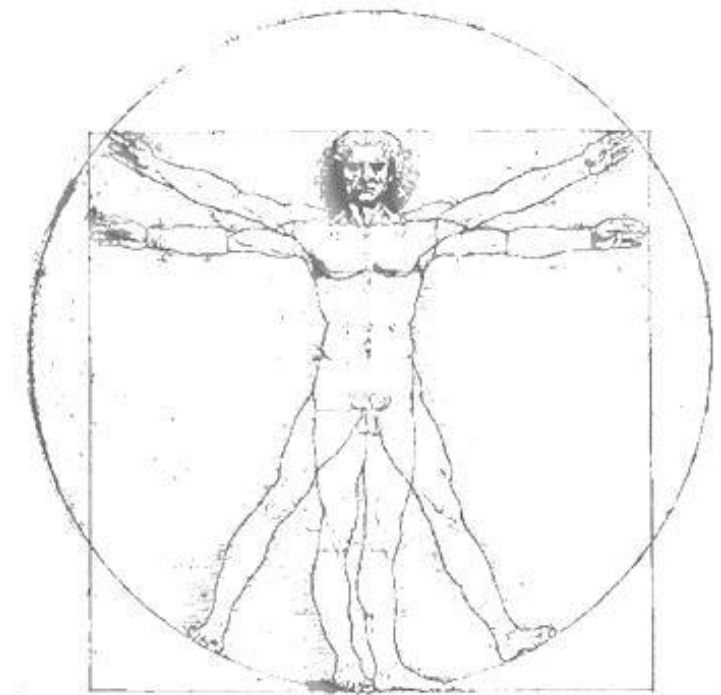


Introduction to the task and the process

SAM HLG CHAIR: **Prof. H.C. Wegener**

There are reasons for the recent "renaissance" of science advice

- The world is getting more and more complex and interdependent and so do political challenges.
- Policy issues are getting more and more multi-sectorial, requiring multi-disciplinary science advice.
- Knowledge is generated at an unprecedented speed.
- Science is more and more opening up (open access, citizen science, transparency, etc.).
- Strive for better regulation and value for money.

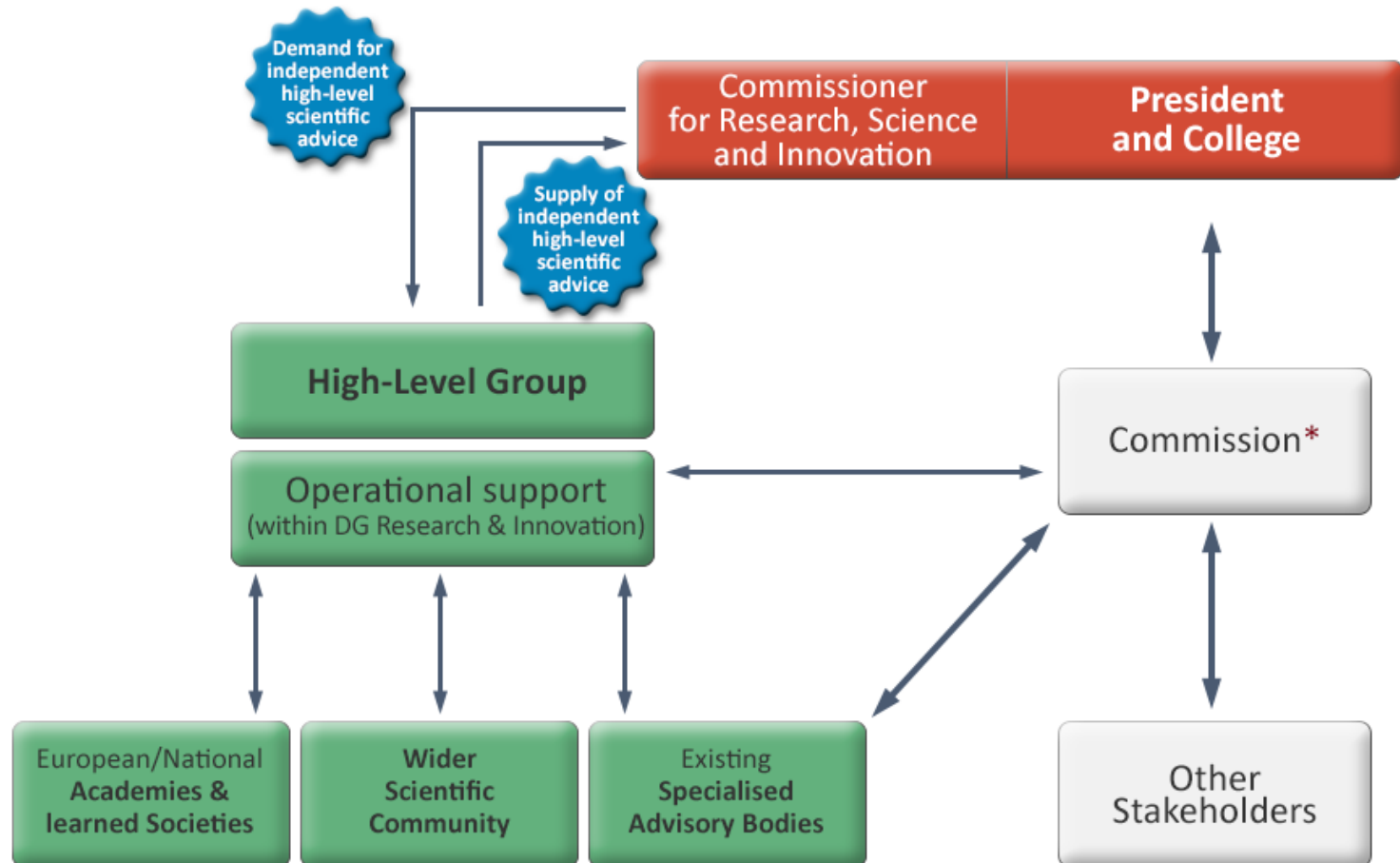


The two main features of SAM

Strengthen existing arrangements and bring together the supply and demand for independent scientific advice, with two main features:

- A structured relationship with scientific advisory bodies in Member States (e.g. national academies).
- Establishing a High Level Group of eminent scientists- to improve the interaction with scientific community, and ensure independence, scientific integrity, transparency.

Elements of the Scientific Advice Mechanism



* Including the Joint Research Centre which provides in-house scientific support

The members of the High-level Group of Scientific Advisors



Tasks

COMMISSION DECISION

of 16.10.2015

on the setting up of the High Level Group of Scientific Advisors

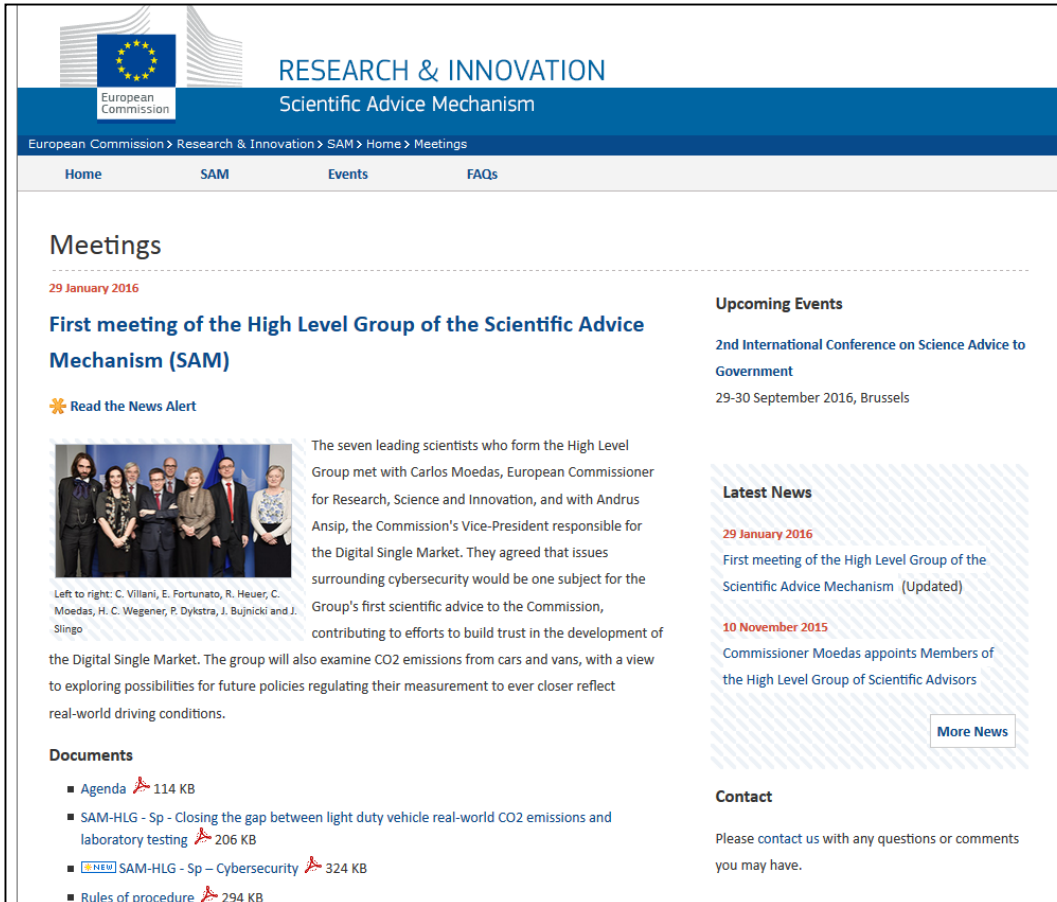
Responsive

- Provide independent scientific advice to EU policy and legislation at any time and in any policy field
 - long, medium, and short-term incl. in crisis situations
 - without duplicating existing advice
 - including an assessment of the robustness and limitations of the evidence

Proactive

- Identify policy issues for which scientific advice is needed.
- Recommend improvements for the interaction between policy-making and scientific advice.
- Enhance synergies with other science advisory structures.

The SAM website is used to ensure transparency



The screenshot shows the SAM website interface. At the top, there is a navigation bar with the European Commission logo and the text "RESEARCH & INNOVATION Scientific Advice Mechanism". Below this is a breadcrumb trail: "European Commission > Research & Innovation > SAM > Home > Meetings". A secondary navigation bar contains links for "Home", "SAM", "Events", and "FAQs". The main content area is titled "Meetings" and features a section for "29 January 2016" with the heading "First meeting of the High Level Group of the Scientific Advice Mechanism (SAM)". A "Read the News Alert" icon is present. Below the heading is a photograph of a group of people. The text describes the meeting with Carlos Moedas and Andrus Ansip, discussing cybersecurity and CO2 emissions. A "Documents" section lists files like "Agenda 114 KB" and "SAM-HLG - Sp - Closing the gap between light duty vehicle real-world CO2 emissions and laboratory testing 206 KB". To the right, there are sections for "Upcoming Events" (2nd International Conference on Science Advice to Government) and "Latest News" (10 November 2015: Commissioner Moedas appoints Members of the High Level Group of Scientific Advisors). A "More News" button is visible in the latest news section. At the bottom right, there is a "Contact" section with a request to contact the website for questions or comments.

[https://ec.europa.eu/
research/sam/
index.cfm](https://ec.europa.eu/research/sam/index.cfm)

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Introduction to the task

Methodology

- A systematic and thorough evidence gathering process on the topic of CO₂ emissions measurements for light duty vehicles (LDV) was performed.
- The evidence gathering process consisted of three different elements:
 - Review of the scientific literature.
 - Organisation of a scientific expert workshop.
 - Organisation of a stakeholder meeting.

Review of the scientific literature

A systematic review of the scientific literature in the field of CO₂ emissions from light-duty vehicles was performed using:

- The Web of Science and Scopus databases.
- JRC studies and studies commissioned by other EC services.
- NGOs and industry reports (on condition that these were publicly accessible).



Scientific expert workshop

Objective of the workshop

To gather the views of top experts in the field of CO₂ emissions from LDV on the questions asked to SAM.

The participants in the workshop

- Top 10 most-cited European based researchers in the field.
- Suggestions from European Academies.
- Participants from NGOs and industry, based on scientific-technical merit.
- Representatives from EPA and EEA.

Stakeholder Meeting

The objective of the meeting

To present the issues that have been identified by the HLG and to gather the views of stakeholders, giving the HLG also the opportunity to fill remaining knowledge gaps.

The participants in the meeting

- Policy stakeholders.
- Business stakeholders.
- Consumers.
- Civil society stakeholders.
- Scientific stakeholders.



Timeline

29/01/2016	Request from the Commission accepted by the SAM High-Level Group
11/02/2016	Final Scoping Paper agreed
Feb. to June 2016	Literature search and evidence gathering
07-08/06/2016	Scientific expert workshop in Lisbon
15/09/2016	Stakeholder meeting in Brussels
End October 2016	Adoption of SAM HLG Opinion