Secure digital identities for the Digital Single Market in Europe

A workshop of the High Level Group (HLG) of Scientific Advisors of the European Commission's Scientific Advice Mechanism (SAM)

Rolf-Dieter Heuer
Member of SAM High Level Group
Rapporteur – Scientific Advice on Cybersecurity
Why are we (SAM) here?

We are here because the European Commission - Vice President Ansip and Commissioner Oettinger - asked us, through Commissioner Moedas, for scientific advice on cybersecurity.

Meeting with Vice President Ansip defined the policy context for which the advice is required:

For a strong Digital Single Market in Europe

- Technologies
- Institutions
- Business
- Citizens
This request resulted in a **Scoping Paper**

- Defined the *topics* that could benefit from scientific advice
- Defined the timescale: *longer term policy development*
- Posed *questions that have relevance to European policy* in the next few years

The result of our work, to be published in an “opinion paper”, needs to stay within the context of this scoping paper.
Scoping Paper (29 January 2016)

- Cybersecurity is not an isolated issue and cannot be tackled in isolation
- Cybersecurity is not a single issue, it’s complex
- Cybersecurity is a socio-economic as well as an ethical issue.

The major challenges are likely to be reshaped in the near future – encryption will also need to be addressed within this future context.

https://ec.europa.eu/research/sam/index.cfm?pg=cybersecurity
Why are *you* here?

You are here as top experts in cybersecurity who we have selected and invited on the basis of:

- Suggestions from the European Academies Academia Europaea (AE), European Academies Science Advisory Council (EASAC), Federation of European Academies of Medicine (FEAM), All European Academies (ALLEA), European Council of Academies of Applied Sciences, Technologies and Engineering (EuroCASE)

- SAM HLG members on the cybersecurity advice (the 4 of us)

- SAM unit taking suggestions from the European Commission services including JRC and other bodies
to help us with the **questions** involved and with the **scientific evidence** required to form our advice
Why are we holding this workshop in Vilnius ...
Our task

Problem definition

Scientific evidence
Including different scientific fields

Policy options

Your input
Your input
Aim of the workshop

- To define, justify, explain the key issues - current as well as emerging challenges and opportunities
- To gather and discuss the scientific evidence
- Address short but also long term issues
How it will run – some principles

- Everybody speaks in his/her personal capacity
- Chatham House rule (= you can use all information, but not attribute it to a person without his/her consent)
- Speakers will address some of the aspects to be addressed in the respective session
- Moderators will guide the discussion
- Open debate is encouraged, focussing (mainly) on the questions given for the respective session
How it will run – some principles

- All workshop documents including written contributions and presentations will be published on the website of SAM [https://ec.europa.eu/research/sam/index.cfm?pg=home](https://ec.europa.eu/research/sam/index.cfm?pg=home)

- It is possible to send further inputs e.g. short notes and reference links on the issues covered during the workshop, no new topics; this can be done on a given template to be send to the SAM unit during the workshop or latest by 3/11.

- Only publicly available information will be used for the opinion paper
Future steps

Evidence review on specific questions and issues  
November 2016

Preparing the "policy options" – discussion of HLG members  
December 2016

Drafting of the scientific advice  
January 2017

Information workshop (to present the close to final scientific advice to stakeholders)  
February 2017

Finalisation of advice, endorsement by the (whole) SAM HLG, Presentation to the European Commission, Publication  
March 2017