

Japan's comments on IPHE Implementing and Liaison Committee Meeting

Fuel cell and hydrogen have a great potential. It can enhance the security of energy supply, increase diversity of energy sources, and improve local and global environmental quality. Therefore, we have to accelerate the development of hydrogen and fuel cell technologies in order to achieve the hydrogen economy.

However, since there are many problems and obstacles towards the commercialisation and diffusion of fuel cells and hydrogen energy, we should promote further technical innovation in the worldwide. Recognising that the private sectors are now in severe competition in this field, we think that it is important to deepen cooperation and exchanging technical information in the basic and pre-competitive field of fuel cell and hydrogen development. And also it is important to establish world wide harmonised codes & standards as much as possible.

In this context, we expect that IPHE become one of the platforms for the international cooperation in this area. We think there are three biggest priorities in the area of cooperation.

- 1) Codes and standards – we need to prioritize recommendations for codes and standards and to coordinate other international efforts in this area;
- 2) Information sharing – to achieve real breakthroughs we will need to use a tool, such as a web site, to share results of R&D and data from demonstration projects;
- 3) Hydrogen roadmap – best way to find joint R&D projects and set concrete targets to stimulate interaction between the government and the private sector

Moreover, it is important for IPHE to coordinate its activities with other international organisations such as IEA, UN/ECE/WP29 and ISO.