**H, as Hydrogen**

Hydrogen is a colorless, odorless, non-toxic gas that burns to water in a high-energy release reaction. It is also the most promising and greenest solution for energy production or storage. In this context, we asked Attila Felinger dr., Vice-Rector for Science, about the research, carried out at the UP and its role in the National Renewable Energy Laboratory (NREL).

Besides leading the consortium, what is the UP's "share" in NREL?

The University of Pécs has submitted a National Laboratory proposal in the field of hydrogen technologies, and the University of Szeged has applied for a proposal in the field of carbon dioxide recycling. The decision was taken to merge the two applications, creating the National Renewable Energy Laboratory, which is based on both hydrogen and carbon dioxide research. The consortium has ten members, with the UP as the leader. We have won a total of HUF 6.3 billion in funding, of which around HUF 660 million is specifically for research at the University of Pécs. On the part of the UP, three faculties are involved in NREL.

Researches at the Faculty of Sciences are focused on the electrochemical production of hydrogen. The Faculty of Engineering and Information Technology has already established a fuel cell and hydrogen technology engineering course, and further research is being carried out on fuel cells. In the Faculty of Business and Economics, colleagues are researching the economic aspects of hydrogen technologies and problems related to the circular economy.