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Why hydrogen at ICSI Rm. Valcea?

Ioan IORDACHE

4 noiembrie 2021

Three Pillars + Business



ICSI NUCLEAR

To develop research in the field of nuclear fission, nuclear fusion, isotopic exchange and cryogenic distillation

ICSI ENERGY

To develop and implement hydrogen-based technologies and renewable energy sources

ICSI ANALYTICS

To implement appropriate analytical methods and markers for environmental protection and food security

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Business

valorization of research:

- **know-how,**
- **products,**
- **technologies,**
- **methods,**
- **services,**

...

in order to increase their economic competitiveness.

European results at ICSI Rm. Valcea since 2009.

FCH JU projects



HyUnder, Assessment of the potential, the actors and relevant business cases for large scale and seasonal storage of renewable electricity by hydrogen underground storage in Europe

HyLAW, Identification of legal rules and administrative processes applicable to Fuel Cell and Hydrogen technologies' deployment, identification of legal barriers and advocacy towards their removal.



TeachHy - Teaching Fuel Cell and Hydrogen Science and Engineering Across Europe within Horizon 2020

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