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# Why hydrogen at ICSI

Presentation · November 2021

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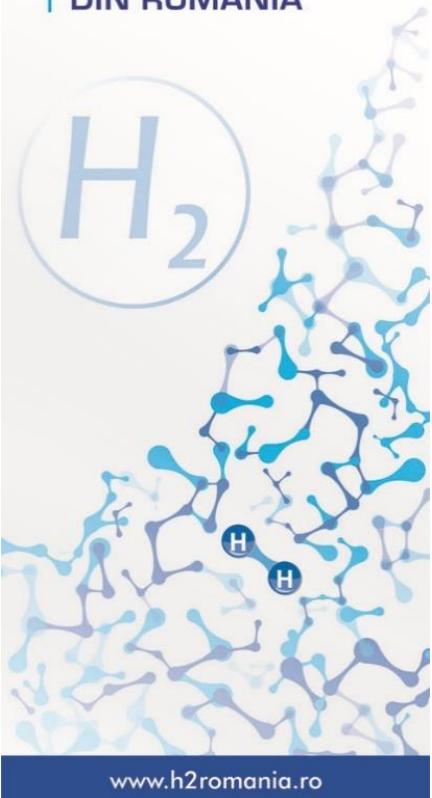


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# *Why hydrogen at ICSI Rm. Valcea?*

*Ioan IORDACHE*  
4 noiembrie 2021

# Three Pillars + Business

ICSI



## 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

## ICSI 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.



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

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