

JRC activities for the FCH 2 JU 2020 & planned activities 2021

As part of FCH 2 JU - JRC framework contract under H2020

FCH 2 JU Programme Review Days 23. 11. 2020

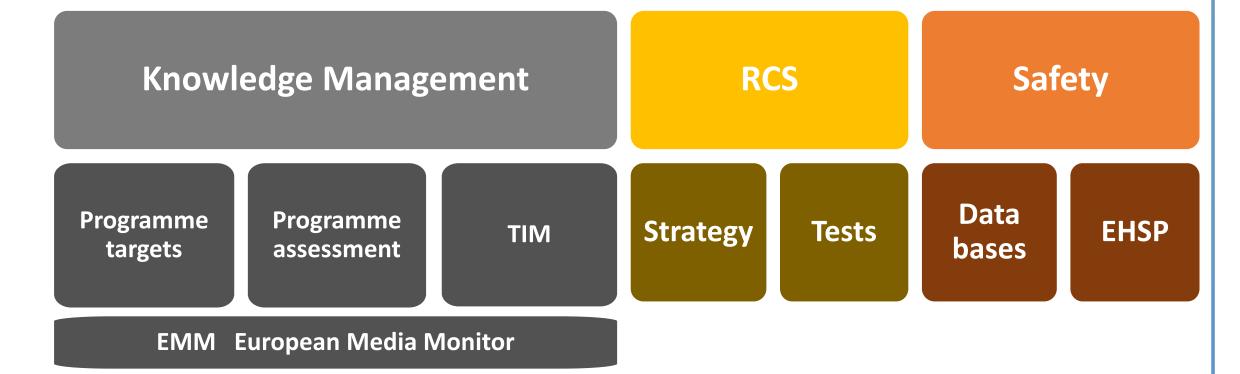








JRC activities 2020







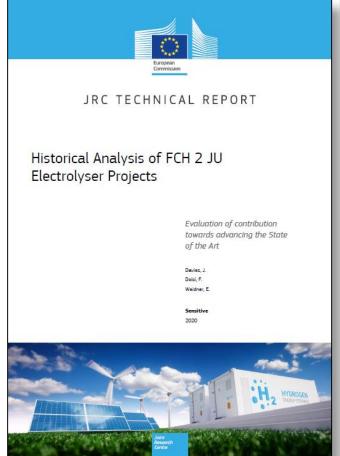


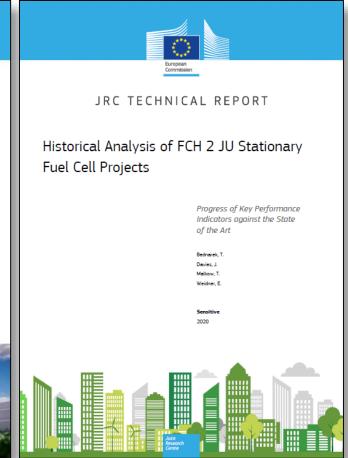


Knowledge Management

Based on:

- JRC methodologies (patents analysis)
- TRUST data
- TIM analyses







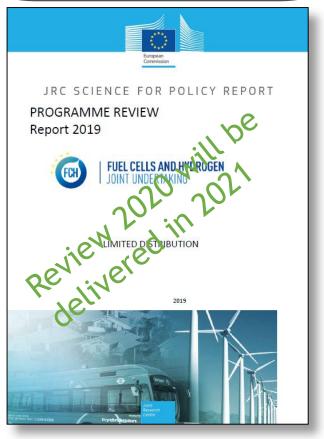




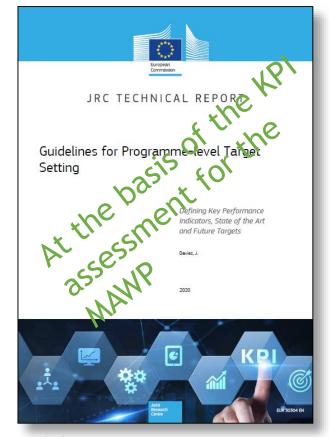


Knowledge Management

Annual Programme Review



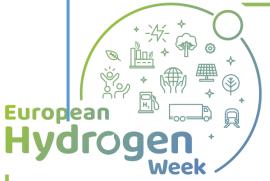
MAWP KPI methodology











Knowledge Management



Impact:

- Establishing current status
- Input to AWP2020



 Preparation of increased support of JRC for sustainability topic (projects, reports)





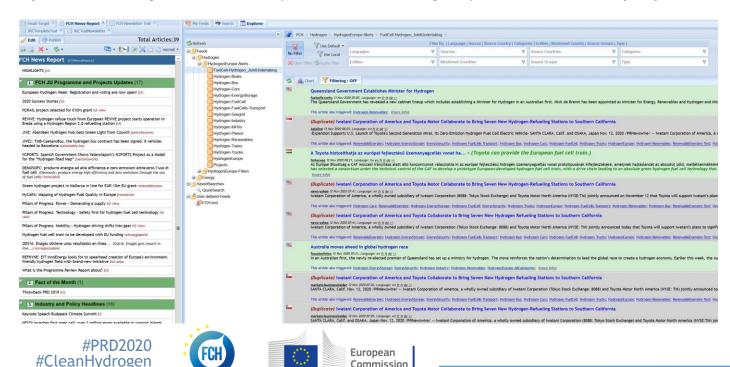


European Hydrogen Week



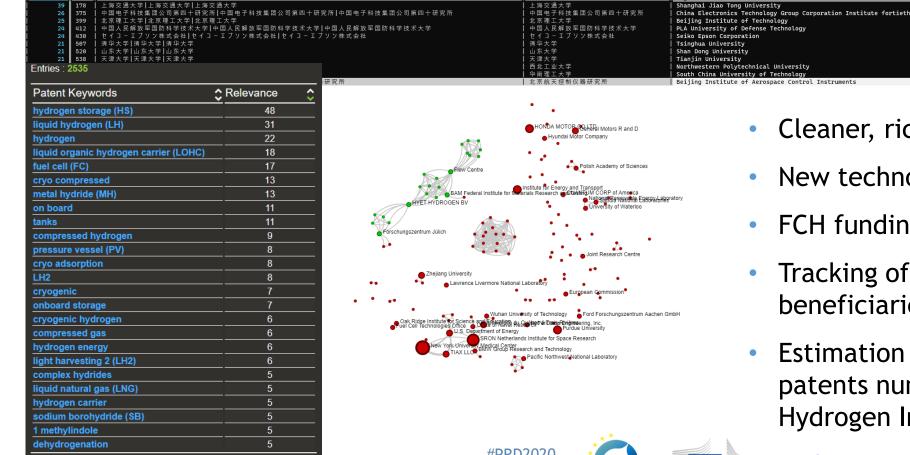
EMM - Media Monitoring

- FCH Media Monitoring system regularly maintained and general helpdesk support
- Weekly monitoring of the results of the categories
- Monthly newsletter preparation, together with FCH
- Updated categories with keywords including keywords for new projects





TIM developments



#CleanHydrogen

- Cleaner, richer data
- New technology spaces
- FCH funding tracking
- Tracking of results by beneficiaries

European

Estimation of publications and patents numbers by the Clean Hydrogen Industry

People's Liberation Army China (PLA)

Northwestern Polytechnical University (NPU



RCS Regulations & Standards

 HARMONISED PROTOCOLS FOR Testing of LOW TEMPERATURE WATER Electrolysers the delayed report is ready for stakeholder comments

Strategy

Tests Harmonisation

 Its scope ranges from cells to systems in the energy system, including the most recent input of project QUALYGRIDS

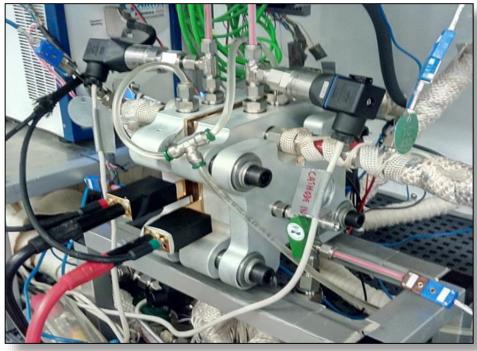








RCS Regulations & Standards



JRC ZERO∇CELL single cell test hardware

Strategy

Tests Harmonisation

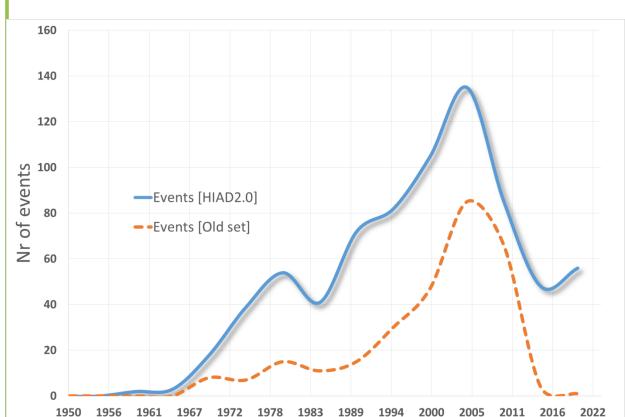
- (1) JRC has delivered a hardware allowing real MEA testing by minimising effects of the testing device;
- (2) design shared with ID FAST;
- (3) however the third party manufacturing for IDFAST partners had not respected the quality level required;
- (4) corrective actions to identify manufacturing shortcoming and optimising IDFAST testing ongoing





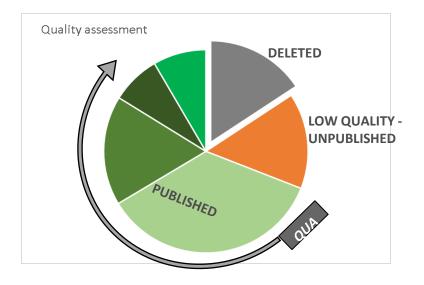


Safety-supporting activities



Contribution to EHSP

HIAD2.0 & HELLEN databases











JRC activities foreseen in 2021

Knowledge Management

MAWP finalisation / Historical analyses

Annual programme review

maintenance/customisation

TIM improvements: less noise, new technologies, patents/safety analysis

Sustainability: LCA contribution, H2 transport sustainability analysis

RCS

Support to the new RCS approach

Testing harmonisation high T electrolysers

ZeroCell Project support Safety

Databases: upgrade & ownership change

JRC invelvement in



#CleanHydrogen

