

Advanced Water-Splitting Technology Pathways Benchmarking & Protocols Workshop

Goals for this Workshop

March 1, 2021 Kathy Ayers, Ellen Stechel, Olga Marina, CX Xiang

This presentation does not contain any proprietary, confidential, or otherwise restricted information











Project Success to Date

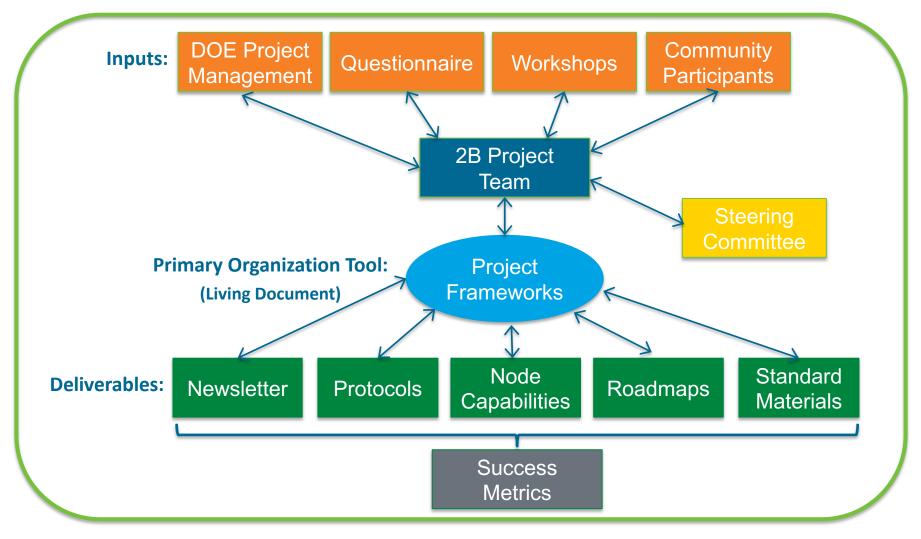
- Third Annual Workshop with good feedback on 1st two
- Many protocols drafted and reviewed by technology
- High level roadmaps developed by technology
- Strong community engagement and participation

Special Acknowledgments:

- Karl Gross
- George Roberts
- Protocol Authors and Reviewers
- Session Leads and Scribes
- Workshop Speakers
- DOE Program Managers
- Participants

Project Overview

Approach and Project Organization





Information sharing:

- International perspective on all 4 technologies
- Overview of new consortium efforts in US

Breakout sessions:

- Review specific topics and provide strategic input/feedback
- Develop follow-on actions

Wrap-up:

- Communicate overall themes and summary of output
- Describe next steps for follow up



Today's agenda

March 1st, 2021 (Day 1)

11:00 am - 11:10 am	DOE Vision for HydroGEN and Benchmarking Katie Randolph
11:10 am - 11:20 am	Welcome & Goals for this Workshop 2B Team
11:20 am - 11:40 am	International Perspective: LTE Tom Smolinka/Sebastian Metz
11:40 am - 12:00 pm	International Perspective: HTE Julie Mougin
12:00 pm - 12:20 pm	International Perspective: PEC Roel van de Krol
12:20 pm - 12:40 pm	International Perspective: STCH Brendan Bulfin
12:40 pm - 12:50 pm	Break
12:50 pm - 1:25 pm	HydroGEN 2.0
	Francesca Toma (PEC), Tony McDaniel
(STCH)	
1:25 pm - 2:00 pm	H2New Bryan Pivovar (LTE), Richard Boardman (HTE)
2:00 pm - 2:15 pm 2:15 pm	Logistics, Guidelines for Breakout Sessions End Day 1

- Speaker for LTE international talk has called in sick
- We will incorporate this talk into the closing session on 3/8
- Agenda today will allow a little more time for questions for other speakers



- Issue on protocols and benchmarking: please submit!
 - Abstract submission is open
 - Plan to keep article submission open for several months
- Editors: PIs + international representatives for each technology
- Existing protocols will be published there as possible
- Links and remaining protocols will be published on NREL Data Hub
- We are also looking for sponsorship for this issue to help cover Open Access fees – contact one of the PIs



- Topics include roadmaps, TEA, protocols
- Note that the virtual format allows many more participants but also requires all to be clear and concise
- Details will be provided by CX