

SWISS+
BATTERY

DAYS 2020/21

SWISS BATTERY DAYS 2020/21

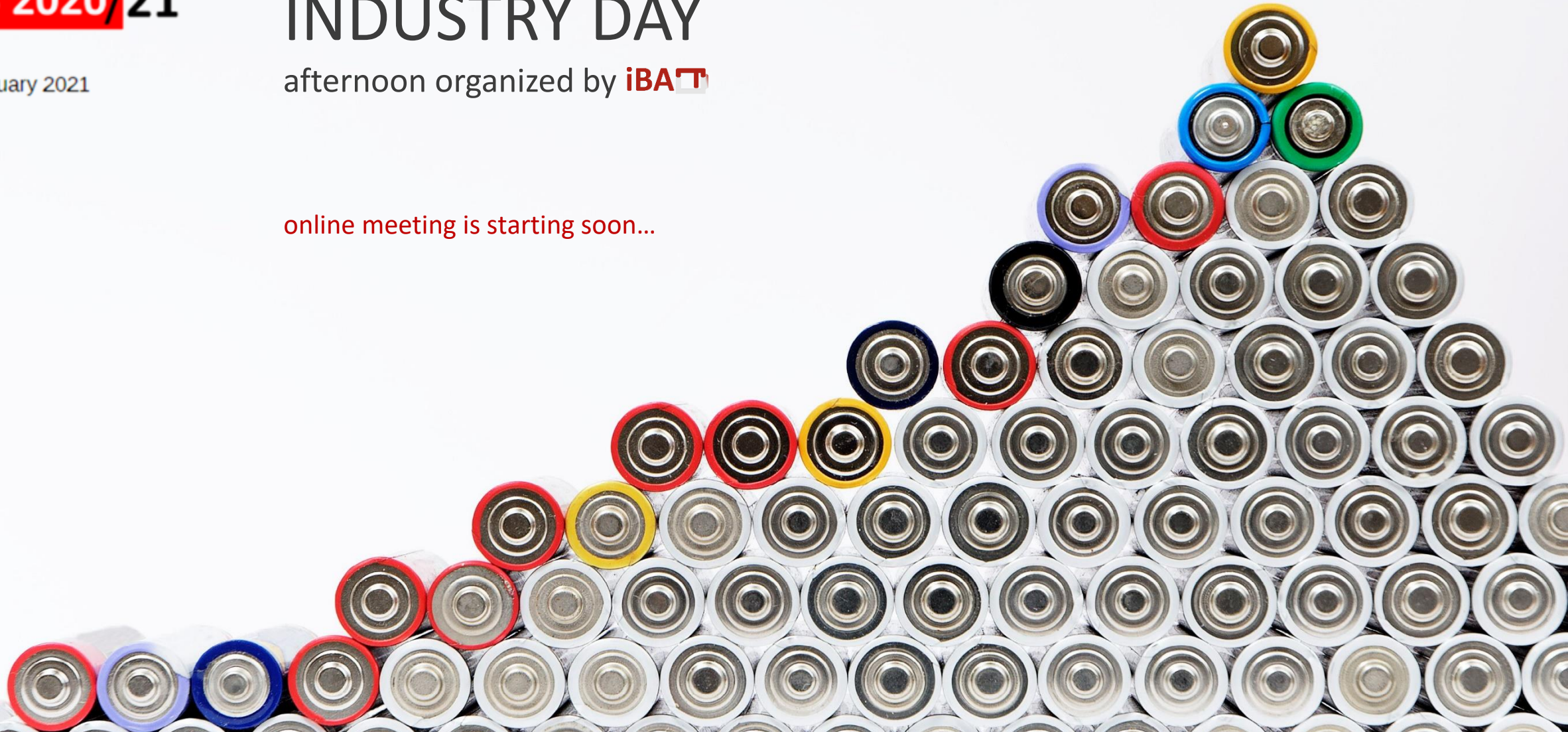
iBATT

INDUSTRY DAY

afternoon organized by iBATT

15-17 February 2021

online meeting is starting soon...



Program for session on EU & CH initiatives to foster innovation

Development and funding opportunities for the European and Swiss battery industry

15-17 February 2021

Slot 1	13h00 – 14h20	Opening EU initiatives promoting economic opportunities Strength, competences, identified needs and pain-points of the CH industry – 1st part
Break	14h20 – 14h40	possibility to visit SBD expos and posters or to networking with other attendees
Slot 2	14h40 – 15h50	Strength, competences, identified needs and pain-points of the CH industry – 2nd part
Slot 3	15h50– 16h40	Map of CH stakeholders on the battery value chain Closing

iBAT – the organization at a glance

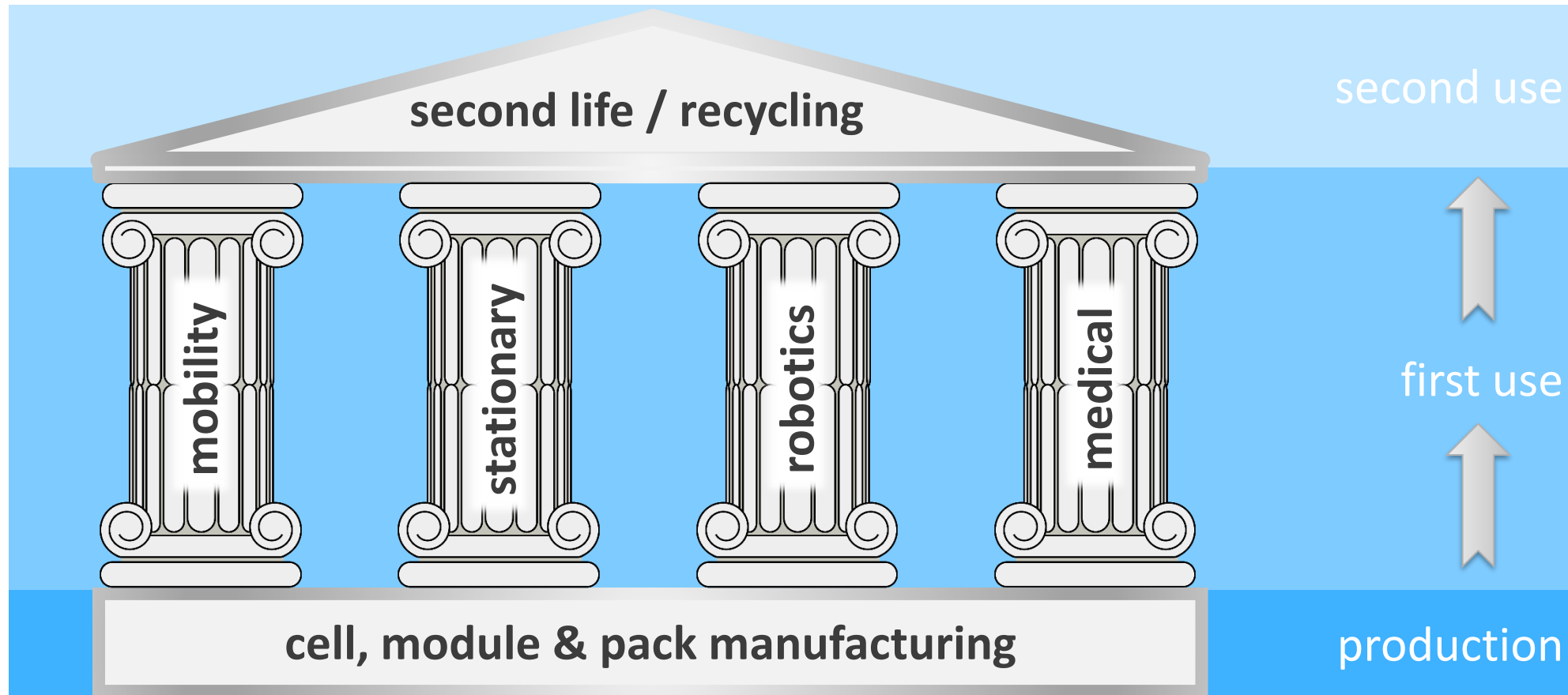
15-17 February 2021



Swiss **i**nnovations for **B**attery
Applications and **T**echnologies

Domains of interest for the Swiss industry

15-17 February 2021



The iBAT industry network

15-17 February 2021

- ❖ [ABB Schweiz AG](#)
- ❖ [allthisfuture AG](#)
- ❖ [Anton Paar TriTec SA](#)
- ❖ [APS electronic AG](#)
- ❖ [armasuisse W+T](#)
- ❖ [Batrec Industrie AG](#)
- ❖ [Batteriewerk](#)
- ❖ [Battery Consult AG](#)
- ❖ [Batterylog.ch](#)
- ❖ [Belenos Clean Power Engineering AG](#)
- ❖ [Biketec GmbH \(FLYER IT\)](#)
- ❖ [BKW AG](#)
- ❖ [b-science.net GmbH](#)
- ❖ [Durot Electric GmbH](#)
- ❖ [Eaton Industries II GmbH](#)
- ❖ [Energie Wasser Bern EWB](#)
- ❖ [ESM Foundation](#)
- ❖ [evolaris aviation GmbH](#)
- ❖ [Giger Energy](#)
- ❖ [Green-Y Energy AG](#)
- ❖ [Grivix GmbH](#)
- ❖ [InDriveTec AG](#)
- ❖ [iOLS Commercial Vehicles AG](#)
- ❖ [IPS Integrated Power Solutions AG](#)
- ❖ [Keysight Technologies \(Schweiz\) AG](#)
- ❖ [KYBURZ Switzerland AG](#)
- ❖ [LEM International SA](#)
- ❖ [LiBaService24 GmbH](#)
- ❖ [Libattion GmbH](#)
- ❖ [LIBREC](#)
- ❖ [Lithium System GmbH](#)
- ❖ [Rigitrac Traktorenbau AG](#)
- ❖ [Rikscha Production](#)
- ❖ [SBB CFF FFS CoC Energy Storage](#)
- ❖ [SOFTCAR SA](#)
- ❖ [Suncar HK AG](#)
- ❖ [Swiss eMobility](#)
- ❖ [Verkehrsbetriebe Zürich VBZ](#)
- ❖ [Viteos SA](#)

be part of the movement and become a member of iBAT

register at <https://ibat.swiss/become-a-member/>

The iBAT research network

15-17 February 2021



BFH – Battery and Storage Systems Lab

The BFH Energy Storage Research Centre provides a unique source of technical and commercial expertise. It serves as a subject-matter expert on storage applications in the energy and mobility sector and works with its partners to generate impetus for developments.



Empa – Reliability Center

The Reliability Center operates a knowledge and equipment pool to perform research, tests and inspections for industry, academic institutions and public authorities.



OST – Battery Research & E-Mobility

The Battery Research & E-Mobility Group of OST (Eastern Switzerland University of Applied Sciences - formerly NTB) is working in the field of electro mobility, battery research and charging technology since 2007.



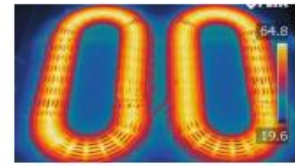
CSEM – Battery Systems

CSEM is a Swiss research and technology organization (RTO) with +35 years of technology development and transfer to industry. This activity has accelerated innovation, particularly in the strategic fields of digitalization, precision manufacturing, and sustainable energy.



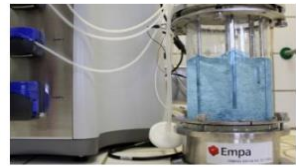
EPFL – Distributed Electrical Systems Laboratory

The research activities of the Distributed Electrical Systems Laboratory (DESL) refer to the development of smart grid concept solutions in order to efficiently deliver sustainable, economic and secure electricity supply.



OST – Power Electronics Laboratory

The Power Electronics Laboratory at the OST was established in 2008 and offers comprehensive expertise in the field of switched mode power conversion. One of the focuses is placed on battery charging for electro mobility and stationary applications.



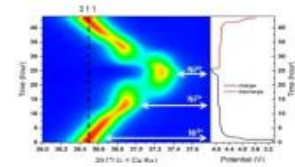
Empa – Laboratory Materials for Energy Conversion

Empa is an interdisciplinary research institute of the ETH Domain, conducting cutting-edge research on materials science and technology for the benefit of industry and the well-being of society. The laboratory Materials for Energy Conversion focuses on materials and device innovation for sustainable energy conversion and storage technologies.



ETHZ – High Power Electronic Systems Lab

The research at the High Power Electronic Systems Lab (HPE) focusses generally on the design, modelling, and optimization of high power converter systems required for example in future energy distribution systems for integrating renewable energy sources or in electric mobility applications.



PSI – Electrochemistry Laboratory

The Electrochemistry Laboratory (ECL), established 1988, is part of the Energy and Environment Research Division at the Paul Scherrer Institute. PSI's Electrochemistry Laboratory is Switzerland's largest Center for Electrochemical Research.



University of Fribourg – Laboratory of Functional Organic Materials

Coskun group at University of Fribourg focuses on the synthesis and characterization of active materials, electrolyte additives, polymer electrolytes as well as polymeric binders in Li-ion batteries.



Ökozentrum

Ökozentrum develops functional models in the field of electromobility, stationary battery storage, accumulator systems and PV for customers from industry and research. We support you from the vision to small product series.



SIPBB – Swiss Battery Technology Center

The Switzerland Innovation Park Biel/Dienne (SIPBB) supports start-ups in the development of marketable products. The Swiss Battery Technology Center brings a unique mix of experts from research and development.



UniNE – Institute of Management

The chair for innovation management at the University of Neuchâtel's Institute of Management has expertise in the collaboration between research and industry partners in the fields of strategy and innovation.



iBAT Association

Ensures the competitiveness of the Swiss Industry
in the field of Battery Applications & Technologies

THE ASSOCIATION

Our Mission

Batteries are the key enabler for emission-free mobility, renewable based energy systems, advanced robotics and mobile medical equipment. The iBAT association represents industry, authorities and research institutions along the complete value chain from manufacturing to recycling and strengthens Switzerland's competitiveness in this core technology.

M-ERA.NET – European Research Area Network

15-17 February 2021

EU-funded network established in 2012 to increase the coordination of European research programs in materials research

Series of joint calls from 2012 to 2020 (<https://m-era.net/joint-calls>)

M-ERA.NET 3 (2021 to 2026)

- New EU-cofunded project with around 50 agencies to increase coordination and convergence of national and regional funding programs on research and innovation through transnational RTD projects (<https://cordis.europa.eu/project/id/958174>)
- **2021: Thematic focus on battery** and other energy related topics
- **Swiss participation** as member (previously observer) in the 2021 call via **DETEC/SFOE**. Support of energy (battery) related proposals through programs of the Swiss Federal Office of Energy
- Start: March 1, 2021. Launch of joint call in spring 2021 (see <https://m-era.net/>)
- Call will also be announced on <http://www.energy-research.ch/> (national guidelines)
- Swiss contact: Stefan Oberholzer, SFOE (stefan.oberholzer@bfe.admin.ch)



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Bundesamt für Energie BFE
Office fédéral de l'énergie OFEN
Ufficio federale dell'energia UFE
Uffizi federal d'energia UFE



Batteries European Partnership (BEPA)

15-17 February 2021

BATTERIES EUROPEAN PARTNERSHIP

[About Us](#) [Our Main Goals](#) [News](#) [Membership](#) [Contact Us](#)

ASSOCIATE MEMBERS



Do you want to know more on the membership options? [CLICK HERE!](#)

Program afternoon session – slot 1

15-17 February 2021

EU initiatives promoting economic opportunities

13h10 – 13h30

Claude Chanson, Managing Director, **RECHARGE**

Industry perspective for a competitive European battery industry: initiatives, regulation and research framework

13h30 – 13h50

Fride Vullum-Bruer, Senior Research Scientist, **SINTEF Energy**

Integrating national and European battery initiatives – lessons learned in Norway

Strength, competences, identified needs and pain-points of the CH industry – 1st part

13h50 – 14h10

Kurt Belmans, Sales & Global Application Manager, **Bühler AG**

The Swiss battery manufacturing industry: opportunities and challenges

14h10 – 14h20 Questions and answers

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iBATT

INDUSTRY DAY - BREAK

afternoon organized by iBATT

online meeting will continue at 14h40 ...

15-17 February 2021



Program afternoon session – slot 2

15-17 February 2021

Strength, competences, identified needs and pain-points of the CH industry – 2nd part

14h40 – 15h00

Alex Naef, Geschäftsführer, Carrosserie HESS AG

E-Mobility: Challenges for Bus-Applications

15h00 – 15h20

Corrado Di Stefano, Senior Originator, Alpiq AG

Business cases for batteries – How to make or save money with large-scale stationary storage systems

15h20 – 15h40

Jodok Reinhardt, CEO, LIBREC

Recycling of large amounts of lithium batteries – upcoming technical and economic challenges

15h40 – 15h50 Questions and answers

Program afternoon session – slot 2

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Program afternoon session – slot 3

15-17 February 2021

Map of CH stakeholders on the battery value chain

15h50– 16h00

Andrea Vezzini, President iBAT, BFH

The Swiss Battery Value Chain – Preliminary results of the ibat.swiss stakeholder consultation

16h00 – 16h10 Roundtable with industry & R&D representatives

Closing

16h10 – 16h20 Closing of Industry Day and outlook of upcoming events

16h20 – 16h40 Best poster award and closing remarks of the SBD

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iBAT.swiss – a Networking Events Series 2021-2024

15-17 February 2021



Supported by:



Schweizerische Eidgenossenschaft
Confédération suisse
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Confederaziun svizra

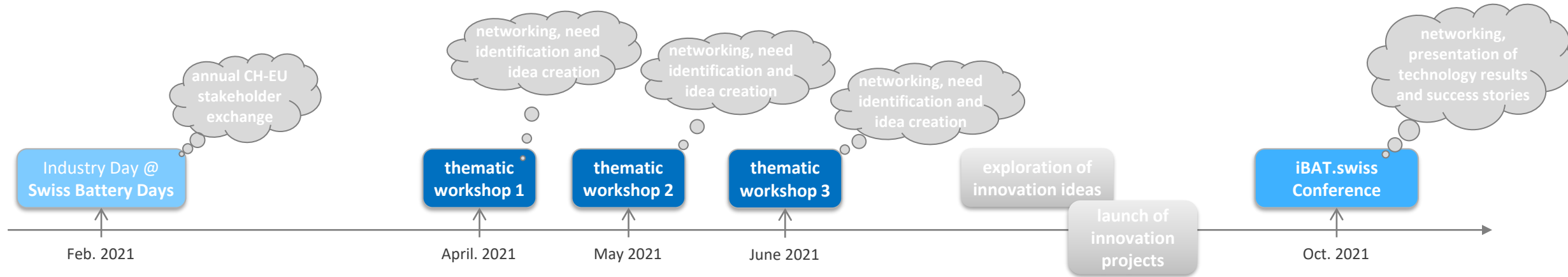
Swiss Confederation

Innosuisse – Swiss Innovation Agency

iBAT.swiss **promotes matchmaking** and facilitates **interdisciplinary exchange** on battery topics between the **key stakeholders** from industry, authorities and science. The focus of the event series is on technical progress and practical applications of batteries with the objective to learn together and to **boost radical innovations and products**.

2021 event structure

15-17 February 2021



- ❖ 17.02. – iBAT Industry Day @ Swiss Battery Days
- ❖ 27.04. – iBAT.swiss workshop stationary storage
- ❖ 27.05. – iBAT.swiss workshop e-mobility
- ❖ 25.06. – iBAT.swiss workshop manufacturing
- ❖ 26.10. – iBAT.swiss conference
- ❖ 24.11. – KLiB-iBAT Swiss-German Industry Dialogue2021

iBAT Battery Tuesdays

15-17 February 2021

- ❖ webinar every **first Tuesday** of the month, timeslot from **16:00 to 17:00**
- ❖ organized by one of the **research partners** providing insight into **competencies, services** and available **infrastructure**

- ❖ 2.3. Empa – Reliability Center
- ❖ 6.4. ETHZ – High Power Electronic Systems Lab
- ❖ 4.5. PSI – Electrochemistry Laboratory
- ❖ 1.6. EPFL – Distributed Electrical Systems Laboratory
- ❖ 13.7. BFH – Manufacturing Technologies for Battery
- ❖ 3.8. OST – Battery Research & E-Mobility
- ❖ 7.9. OST – Power Electronics Laboratory
- ❖ 5.10. CSEM – Coating for batteries
- ❖ 2.11. SIPBB – Swiss Battery Technology Center
- ❖ 7.12. UniNE – Institute of Management

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