



PLASTICS FOR
ZERO
EMISSION

16 February, 2024

Mission

STOP CO₂ EMISSIONS

CREATE A SUSTAINABLE FUTURE
FOR SWISS PLASTICS INDUSTRY

USE PLASTICS
IN A SMART WAY

PRODUCE PLASTICS
IN A SMART WAY

LIGHT-
WEIGHT
DESIGN

PACKAGING
AGAINST
FOOD
WASTE

CARBON
CAPTURE &
UTILISATION

DESIGN
FOR
RE-USE

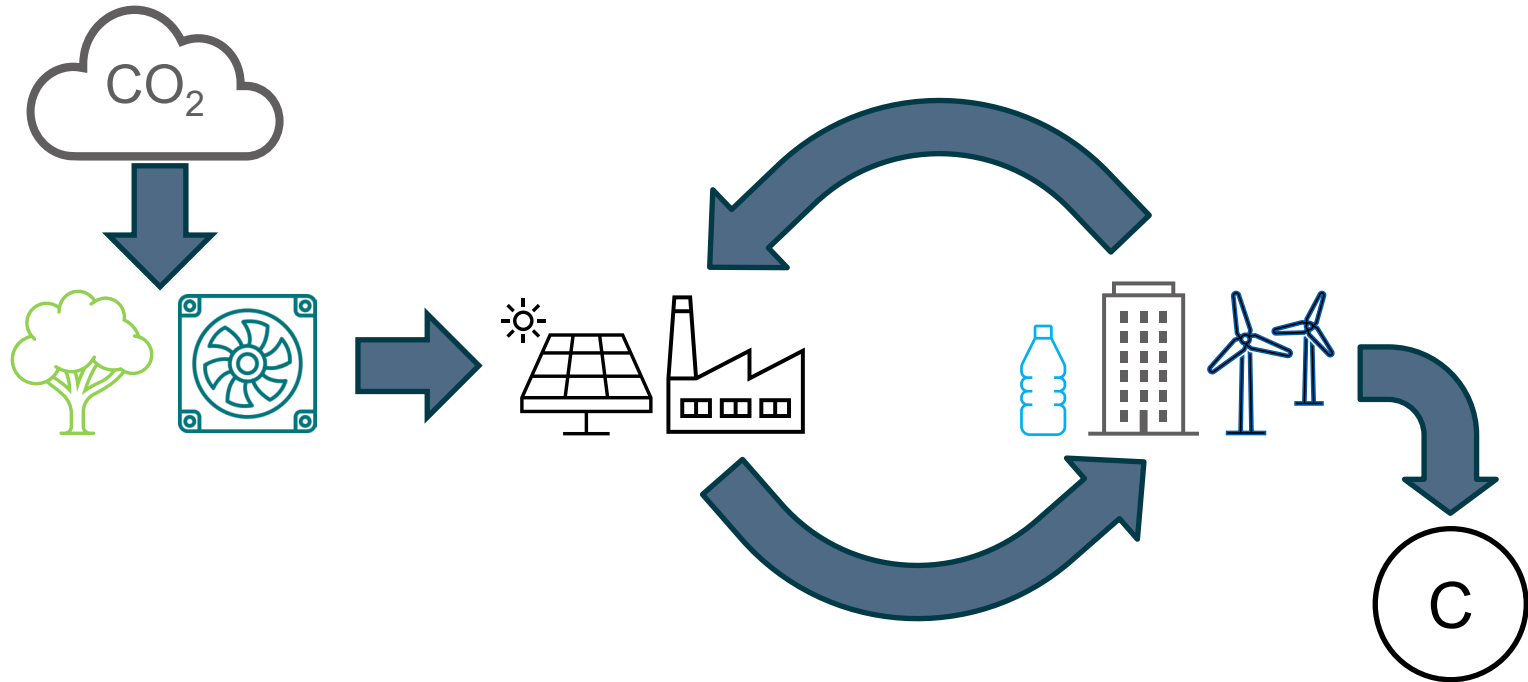
RECYCLED
MATERIALS

BIOBASED
MATERIALS

NEGATIVE-
EMISSION
MATERIALS

ENERGY-
EFFICIENT
PRODUCTION

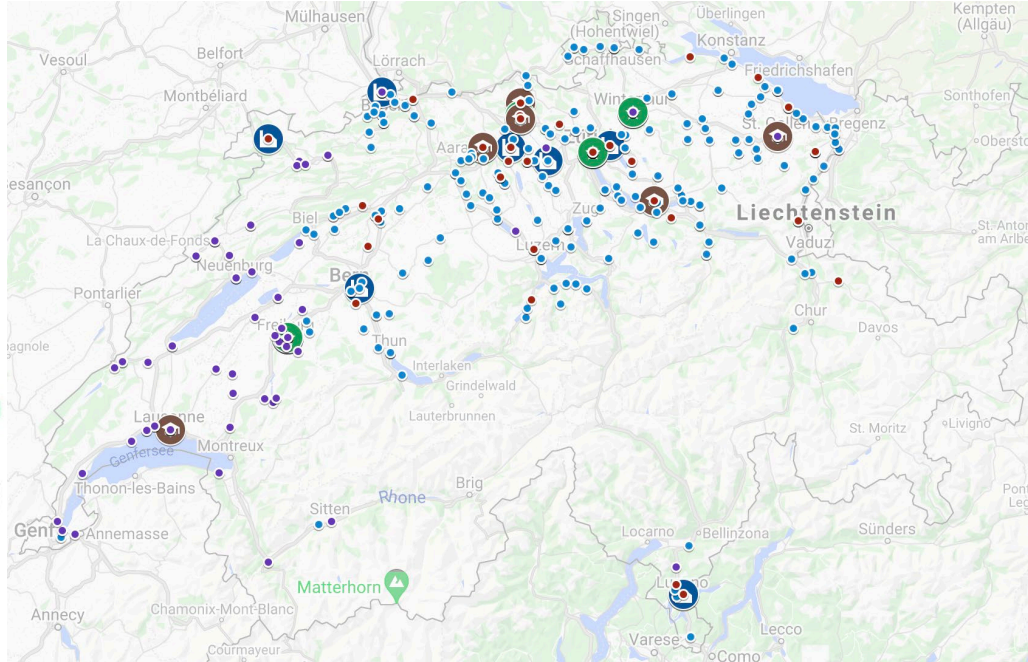
FROM CLIMATE-NEUTRAL PRODUCTION TO NEGATIVE EMISSION MATERIALS



INNOVATION BOOSTER PLASTICS FOR ZERO EMISSION

- Financed by Innosuisse for 2022 to 2025
- Two calls for projects per year
- 10 projects financed per year
- Seed money CHF 25'000 per project
- Methodical support, events and networking support as integral part of the Innovation Booster
- Leading House: Composites United Switzerland

CONSORTIUM AND COMMUNITY OF INTEREST



Enriching lives through innovation



HAUTE ÉCOLE DE GESTION
HOCHSCHULE FÜR WIRTSCHAFT
SCHOOL OF MANAGEMENT

Fribourg
Freiburg

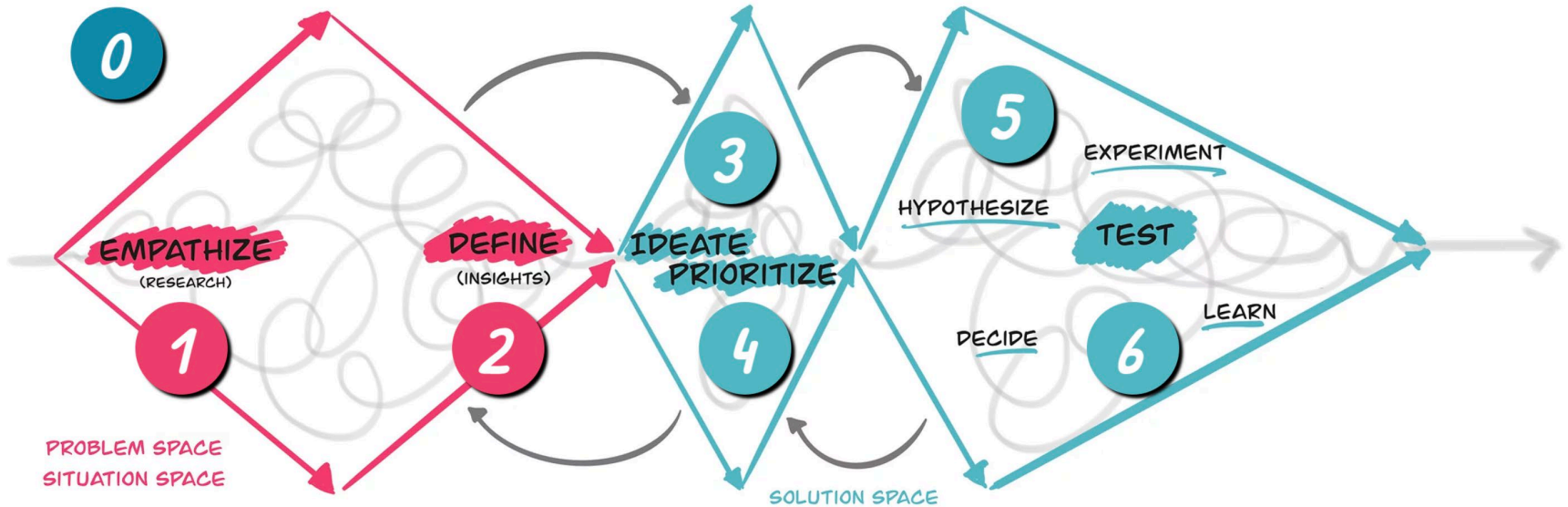


Materials Science & Technology



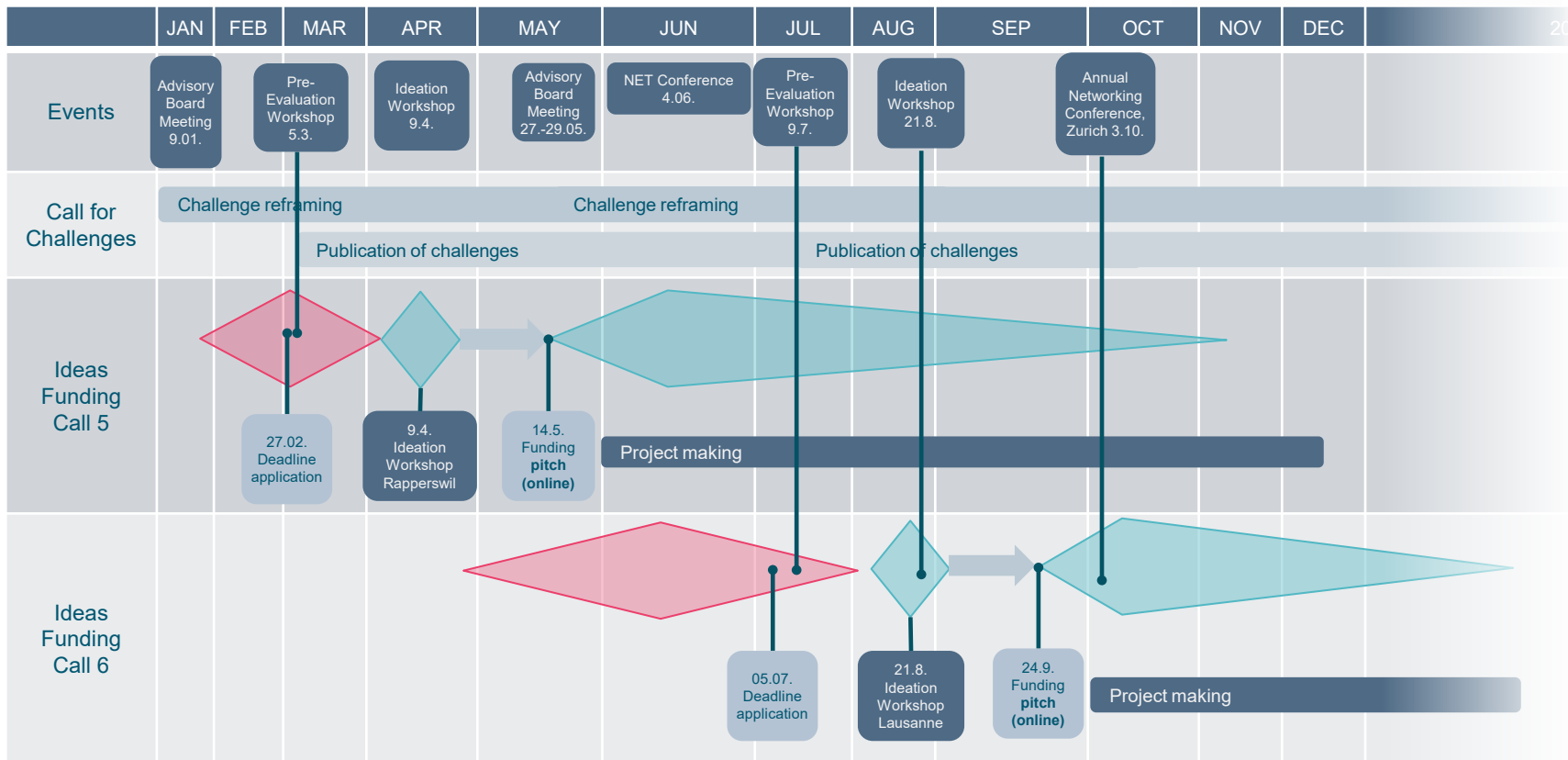
Zürcher Hochschule
für Angewandte Wissenschaften

METHODICAL SUPPORT: DESIGN THINKING

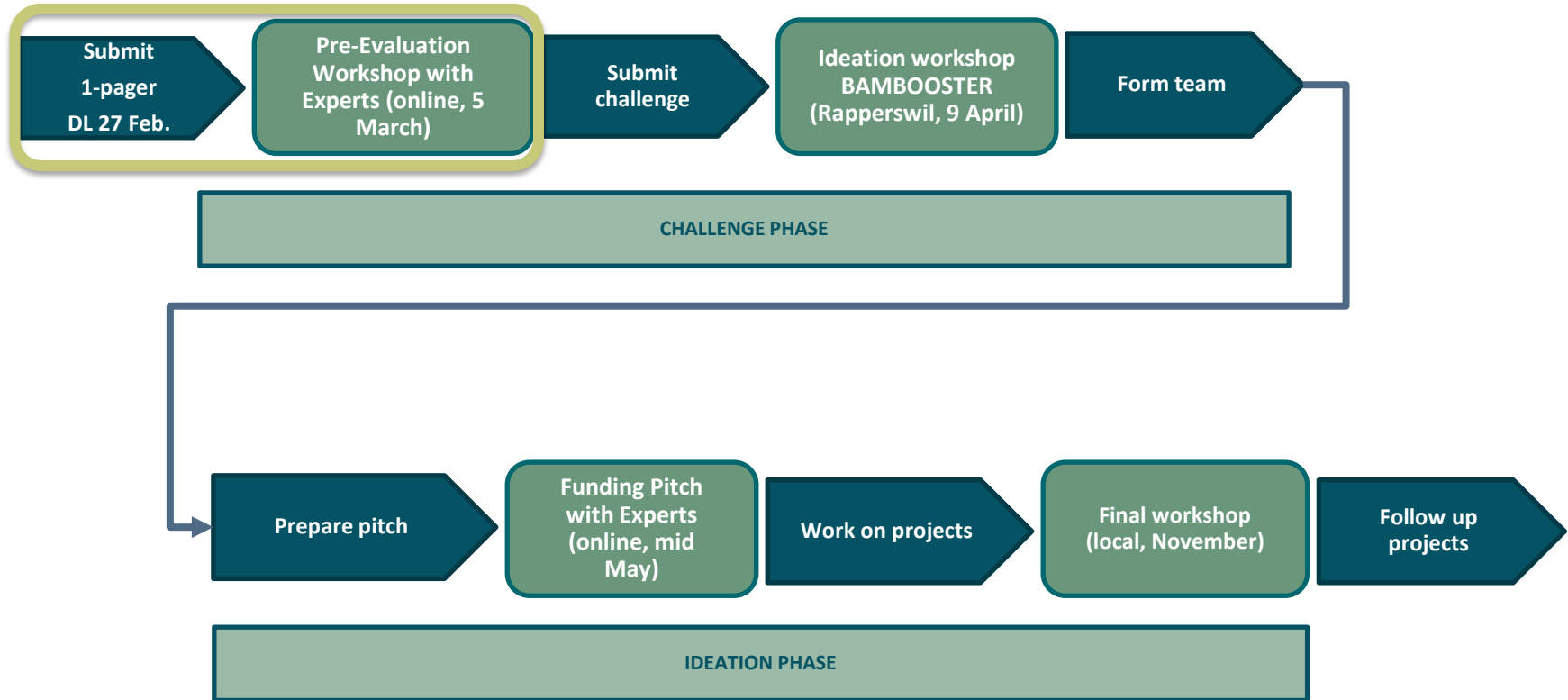


Source: bambooster.ch

SCHEDULE 2024



APPLICATION PROCESS



PROJECT REQUIREMENTS

- At least one research partner and one implementation partner
- Evaluation criteria for granting seed money:
 - Thematic focus
 - Degree of innovation
 - Effect (Including CO2 reduction potential)
 - Methodical quality
 - Gender and diversity
- Participation in workshops and annual conference
- Use of provided methodical framework

INVOLVEMENT OF IMPLEMENTATION PARTNER

- Financial contribution of CHF 5000 (only if project is funded)
- Implementation partner needs to be a Swiss organisation and/or projects needs to add socio-economic value for Switzerland
- Seed money cannot be used to cover internal costs of implementation partner
- Sufficient time needs to be allocated to participate in design thinking process and workshops

EXAMPLES OF CHALLENGES

Raw Material Extraction from Renewable Sources not Competing with Food Production

Ensinger

Zero Emission Circular Polymers Aimed to Manufacture Technical Nonwoven
Autoneum

Carbon Capture and Re-Introduction into the Chemical Supply Chain

Mitsubishi Chemical Group

Development of a Circular Climbing & Mountaineering Rope

Mammut

QUESTIONS?

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<https://plastics4zeroemission.ch>

