

CORNET - Opportunities for Taiwanese–German Collaborative Research

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CORNET in a nutshell

- An **international network** of ministries and funding agencies
- **Pre-competitive collective research** for the benefit of SMEs
- **Bottom-up:** no predefined topics or technologies
- **One international project**, funded through coordinated national or regional programmes
- Research organisations conduct the work; **SMEs define needs and benefit from the results**

A strong CORNET idea starts with a shared SME challenge

A suitable project should:

- address a **common challenge faced by several SMEs**
- focus on **pre-competitive research**, not one proprietary product
- generate results that can be **widely published and transferred**
- combine **complementary expertise from at least two countries**
- involve SMEs in defining needs and assessing practical relevance

Key message: The shared SME need comes first – international cooperation must help solve it.

CORNET in figures – and what projects deliver

400+
Projects funded

5,000+
SMEs supported

approx. 50 %
success rate

EKIM – Engine Knock Model for Future Fuels

Validated prediction models for engine knock with hydrogen, methanol and ammonia – directly applicable in industrial simulation tools.

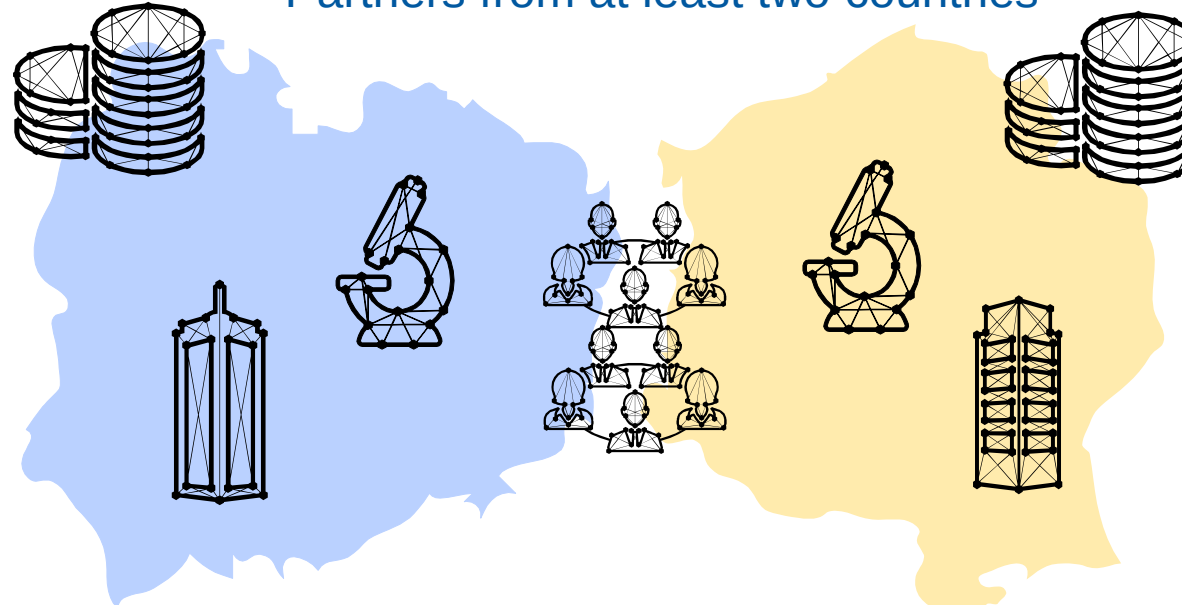
SensoFut – Sensor technology for metal forming

A multisensory thin-film system measures pressure and temperature directly on forming tools – supporting quality control and process optimisation.

One shared challenge, two national consortia

One shared pre-competitive research topic

Partners from at least two countries



For a Taiwan–Germany project, each national consortium includes:

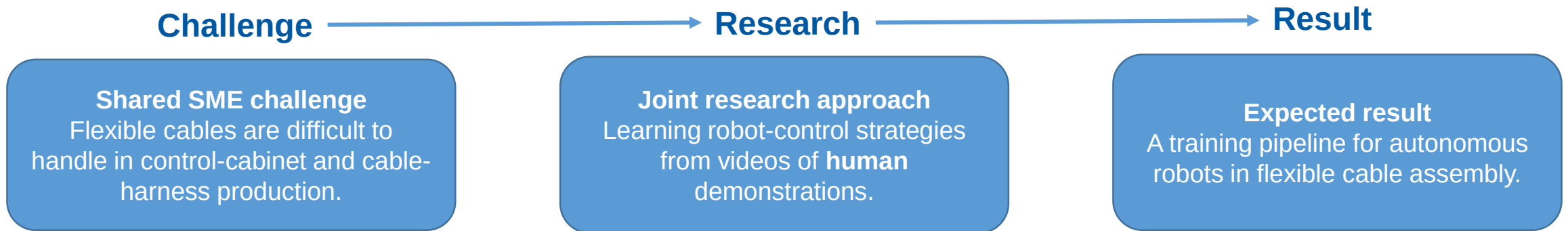
Industry association/alliance + research performer(s)

SME user committee with at least 5 SMEs

The national applicant is determined by national rules.

Prospective project example: Teaching robots to handle flexible cables

Taiwan – Germany project idea currently under development



Role	Germany	Taiwan
National applicant	3-D MID	National Central University (Eligible PI)
Industry association / alliance	3-D MID	To be confirmed
Research performer	FAPS, FAU Erlangen–Nürnberg	National Central University

One project, two parallel submission tracks

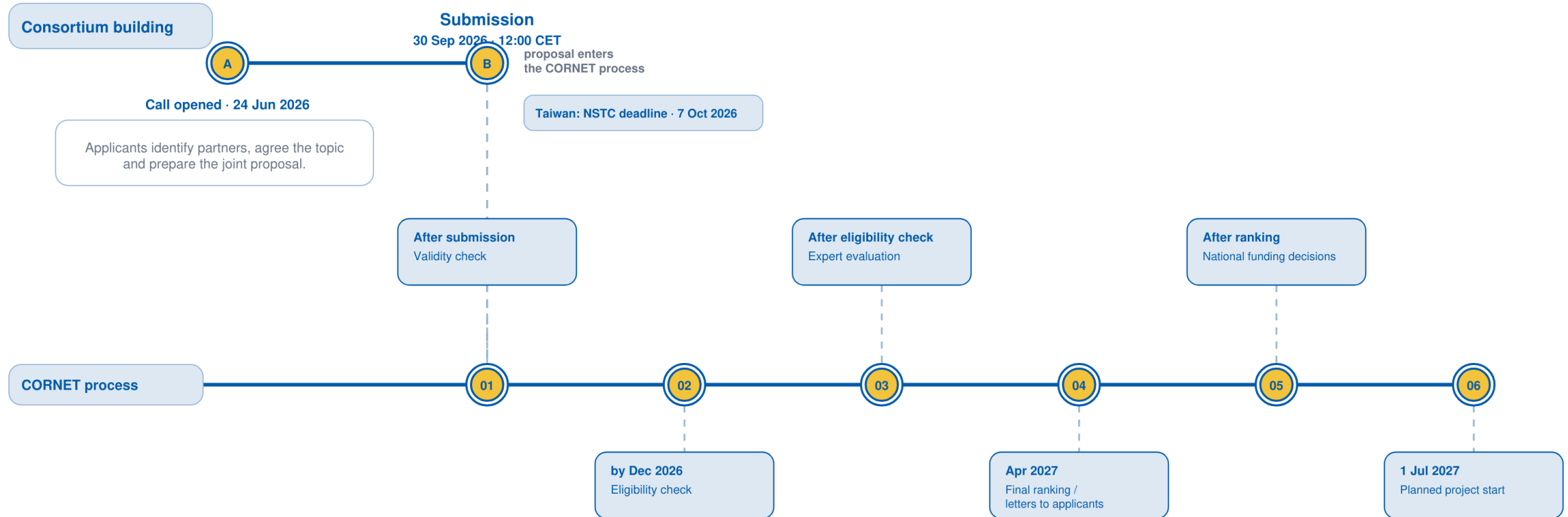
- **International level:** One participant – preferably the project coordinator – submits the complete joint proposal and all annexes via the CORNET Submission Tool.
- **National or regional level:** The designated national applicant in each country or region submits the application required by its funding organisation.

One joint research project – coordinated evaluation – national or regional funding

From project idea to submission: six practical steps

01 Start with a shared SME challenge A common, pre-competitive need – not a solution for one company	02 Clarify national conditions early Discuss eligibility, funding rules and deadlines with NSTC.	03 Build the Taiwanese consortium Research performer, industry association/alliance and an SME user committee.
04 Find the international partners At least two participating countries work on one common topic.	05 Develop one joint project Agree on objectives, work plan, roles, budget and dissemination.	06 Submit both application parts One international CORNET proposal plus the required national application(s).

A typical CORNET project path



- 2 CORNET calls per year
- Submission deadlines are usually the last Wednesday in March and the last Wednesday in September

How CORNET proposals are reviewed



What independent experts assess

Basic Assessment

Can the consortium deliver the project?

- Complementary expertise and a balanced partnership
- Clear roles, responsibilities and shared project management
- Coherent work plan, milestones, resources and costs

Technology & Innovation

Is the research ambitious and credible?

- Clear innovation objective based on the current state of the art
- Sound and feasible research methodology
- Meaningful technological advance and useful, achievable results

Market & Competition

Will the wider SME sector benefit?

- Representative involvement of associations and SME users
- Clear economic relevance and benefit for the wider SME sector
- Credible transfer and use of results, with real international added value

Funding opportunities for CORNET in Germany: Industrial Collective Research (IGF)

Funding scheme by the Federal Ministry of Economic Affairs and Energy (BMWE)

Objectives

- Collective research for the benefit of SMEs in a given sector
- Pre-competitive R&D
- Proactive dissemination

Who can apply?

- **Applicant:** Authorised industrial research association
- **Required:** SME user group with at least 5 SMEs
- **Research may be carried out by up to three research institutes**

Funding conditions

- Funding rate: 100%
- 275-750 k€ depending on no. of research institutes incl. up to 20 k€ lump sum for coordination

How to apply?

- Phase 1: national application for assessment on https://ptoutline.eu/app/igf_cornet by the cut-off date
- Phase 2: national application for funding after positive evaluation, app. 5 months after cut-off date

Let's stay in touch

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