

Results of M-ERA.NET Call 2024

The M-ERA.NET Call 2024 was launched on 5 March 2024. 36 funding organisations from 28 countries participated with a preliminary total commitment of more than 30 million €.

- 389 pre-proposals were submitted, requesting 391 Mio € funding in total.
- 103 pre-proposals were recommended for a full-proposal submission. 101 full-proposals were submitted and 98 were sent to M-ERA.NET central evaluation.
- 84 full-proposals passed the full-proposal evaluation, requesting around 85 Mio € funding.

Depending on national/regional budgets and rules the national/regional funding organisations finally selected 31 full-proposals for funding corresponding to requested funding of 31 Mio EUR

These projects are allocated to the call topics as follows:

- Functional materials: **8** funded projects
- Sustainable advanced materials for energy: **10** funded projects
- Materials addressing environmental challenges: **4** funded projects
- Innovative surfaces, coatings and interfaces: **6** funded projects
- Next generation materials for advanced electronics: **2** funded projects
- High performance composites: **1** funded projects

The total success rate (selected full-proposals vs total submitted pre-proposals) is 7.5% (Fig. 1). For the different topics the rates of success vary:

Functional materials	7.1%
Sustainable advanced materials for energy	9.7%
Materials addressing environmental challenges	7.3%
Innovative surfaces, coatings and interfaces	11.5%
Next generation materials for advanced electronics	6.3%
High performance composites	2.9%

The success rate for the second stage (selected full-proposals vs. total submitted full-proposals) is 25%.

Functional materials	30%
Sustainable advanced materials for energy	25%
Materials addressing environmental challenges	29%
Innovative surfaces, coatings and interfaces	29%
Next generation materials for advanced electronics	22%
High performance composites	14%

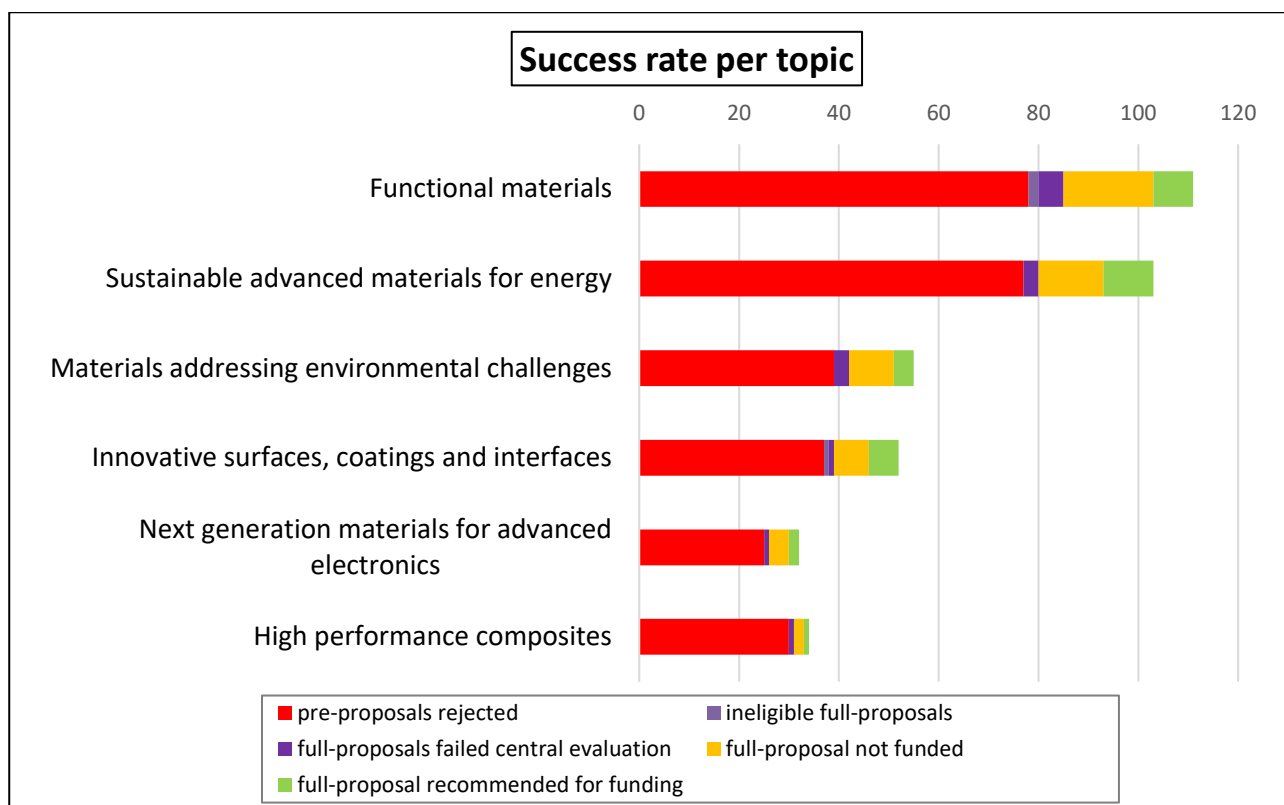


Fig 1: Number of participations: selected full-proposals compared to rejected pre-proposals for all six call topics.

The success rates (selected full-proposals vs total submitted pre-proposals) per organisation type are shown in Fig. 2. The success rate for SMEs is 13.1%, for research organisation 8.4%, for universities 7.5% and for large companies 6.8%.

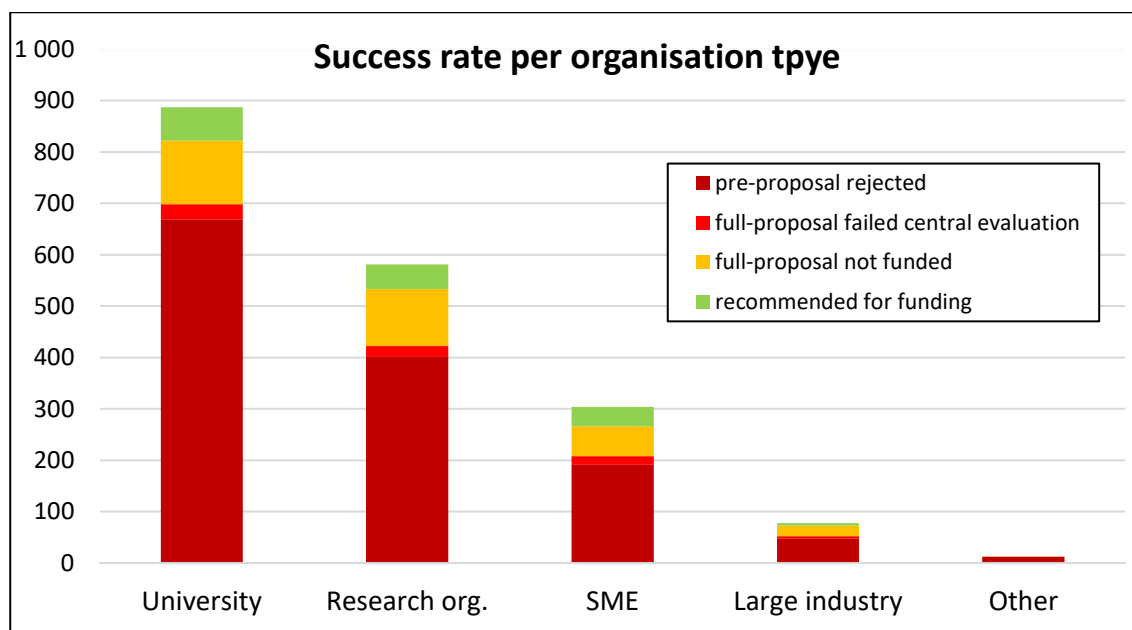


Fig 2: Number of participations: selected full-proposals compared to rejected proposals for all organisation types.

The success rates per individual national/regional funding organisation (number of selected full-proposals vs number of submitted proposals) are shown in Fig. 3.

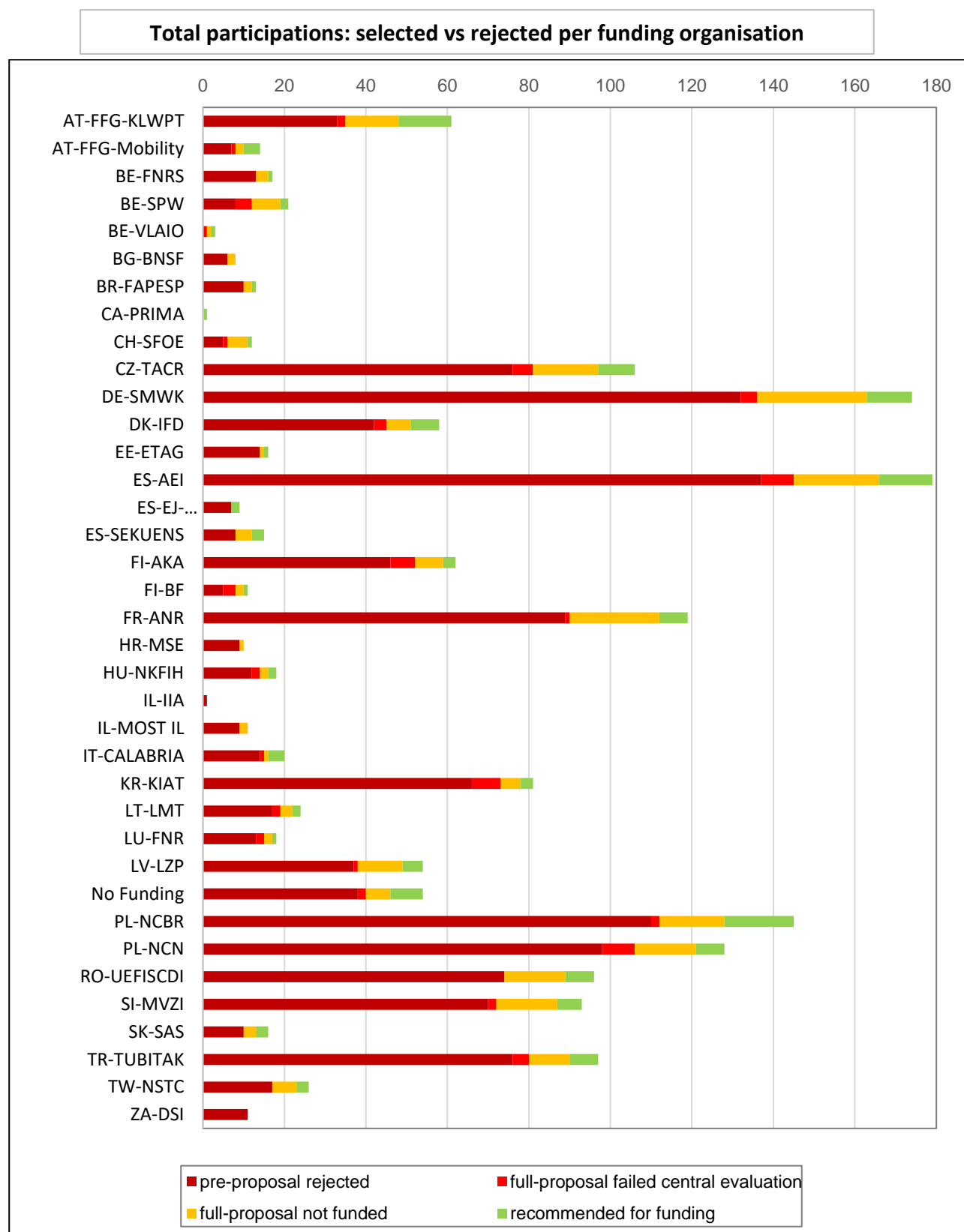


Fig 3: Total number of participations: success rate from pre-proposal phase to selected full-proposals.

With 11 of the EU-13 (widening) countries (except Malta and Cyprus) participating in the Call 2024, hence researchers from EU-13 countries play a substantial role (fig. 4a-e). 84% of the funded projects include at least 1 research group from an EU-13 country; 38% of the total project funding is contributed by funding agencies from EU-13 countries; 38% of the funded applicants and 45% of the project coordinators come from EU-13 countries.

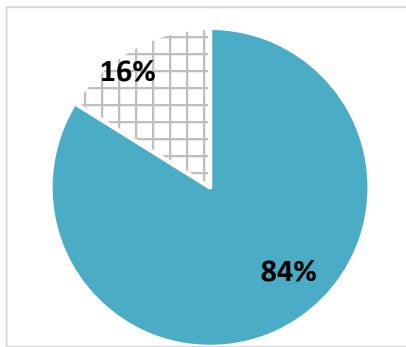


Fig. 4a: 84% of the funded projects include at least 1 research group from EU-13 countries.

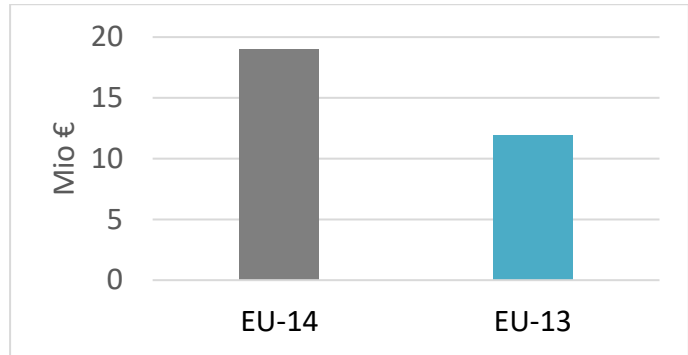


Fig. 4b: Total requested funding for selected full-proposals.

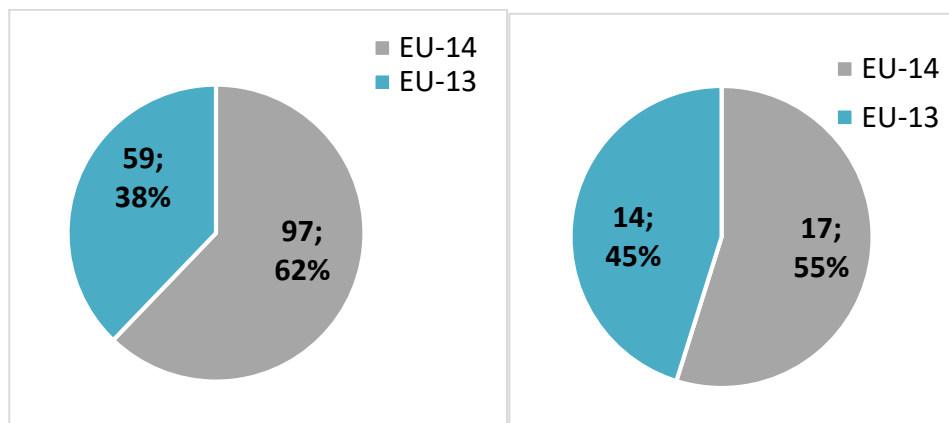


Fig 4c-d: Number of funded applicants (c) and coordinators (d) in selected full-proposals.

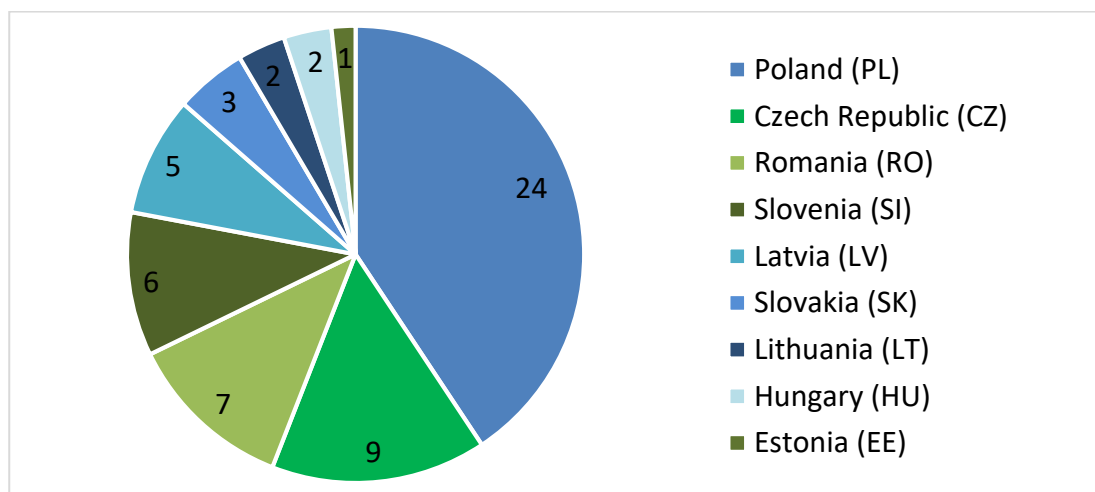


Fig 4e: Number of participants from EU-13 countries per country in selected full-proposals.

The total project volumes and corresponding requested funding per call topic are shown in Fig. 5.

The topic with the highest amount of requested funding is the topic “Sustainable advanced materials for energy” with 13. Mio €. This is followed by the topic “Functional materials” with 8.4 Mio €. For the topics “Innovative surfaces, coatings and interfaces”, “Materials addressing environmental challenges” and “Next generation materials for advanced electronics” 7.3 Mio €, 4.3 Mio €, 3.1 Mio € and 0.6 Mio € funding are requested, respectively.

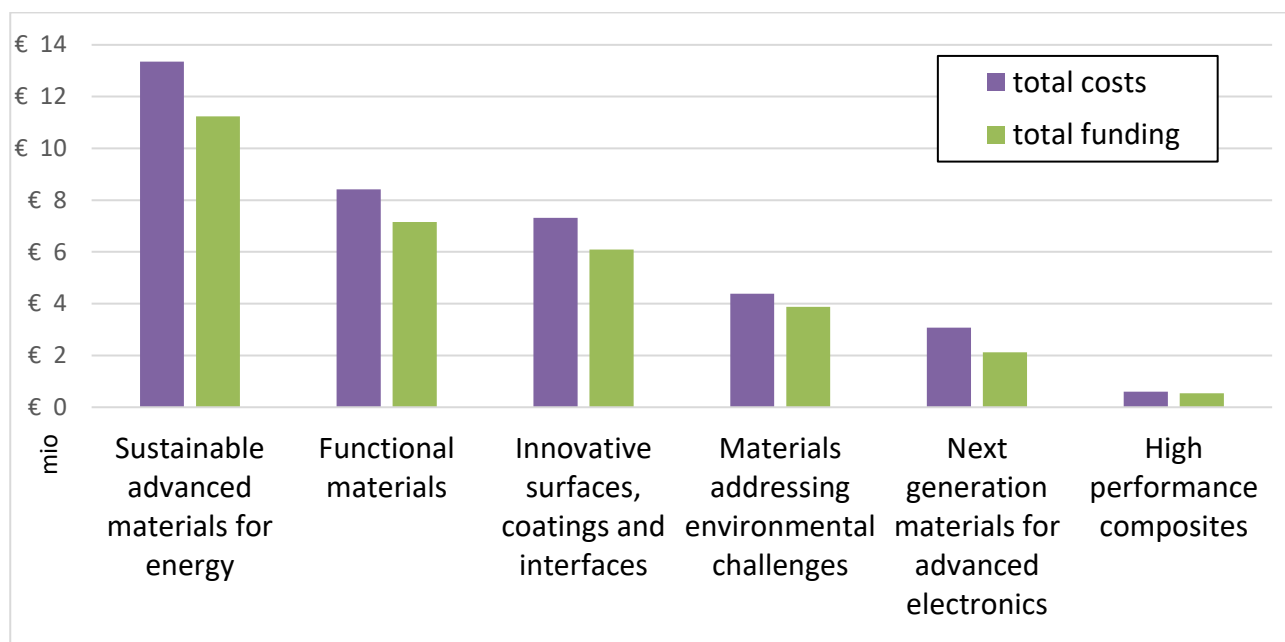


Fig 5: Selected full-proposals: total project volumes and requested funding (€) per call topic.

The distribution of total project costs and requested funding per organisation type is shown in Fig 6. In the selected full-proposals universities (14.4 Mio €) and research organisations (10.4 Mio €) request the highest amount of funding. A smaller ratio of 20.1% of the total funding is requested by enterprises: 19.0 Mio € funding by SMEs and 1.1 Mio € funding by large enterprises.

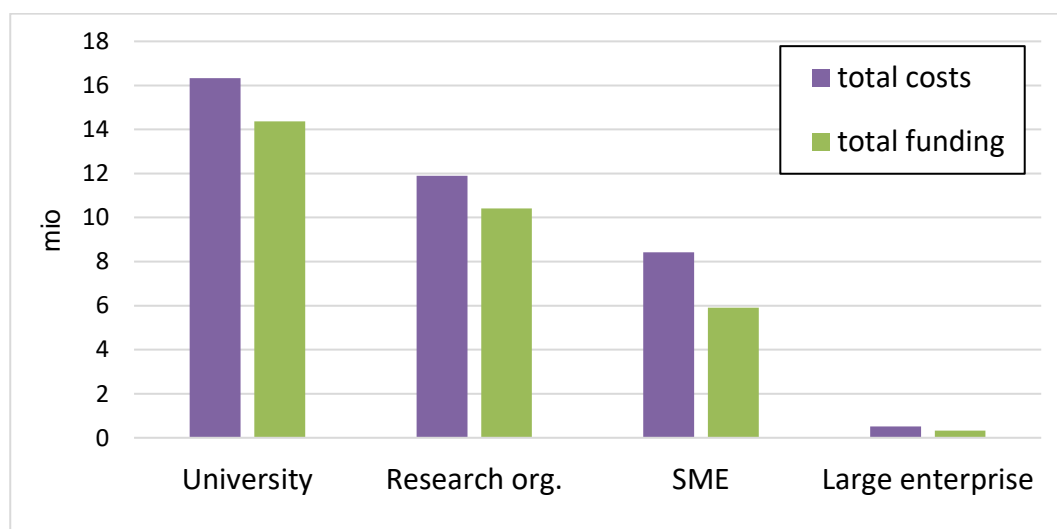


Fig 6: Selected full-proposals: total requested funding and total planned costs (€) per organisation type.

Out of 31 recommended projects, the majority of the coordinators are from research organisations (14 projects) and universities (14 projects). Three projects are coordinated by an SME (Fig. 7).

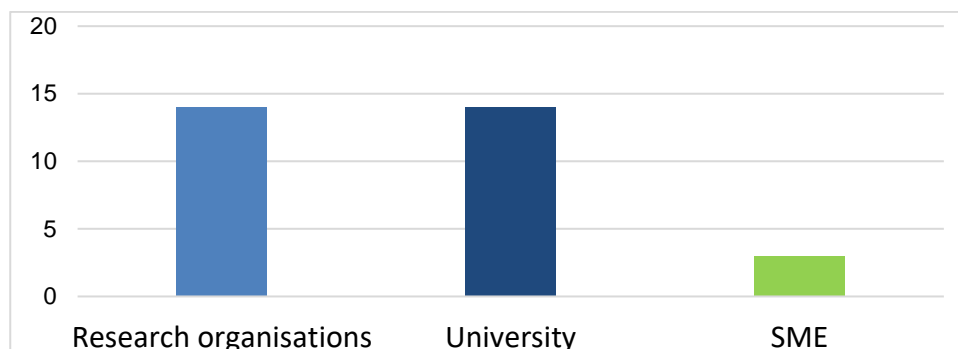


Fig 7: Selected full-proposals: number of coordinators per organisation type.

The successful organisation types per topics are shown in Fig. 8. With 36.4% is the share of industrial partner the highest in topic “Innovative surfaces, coatings and interfaces”.

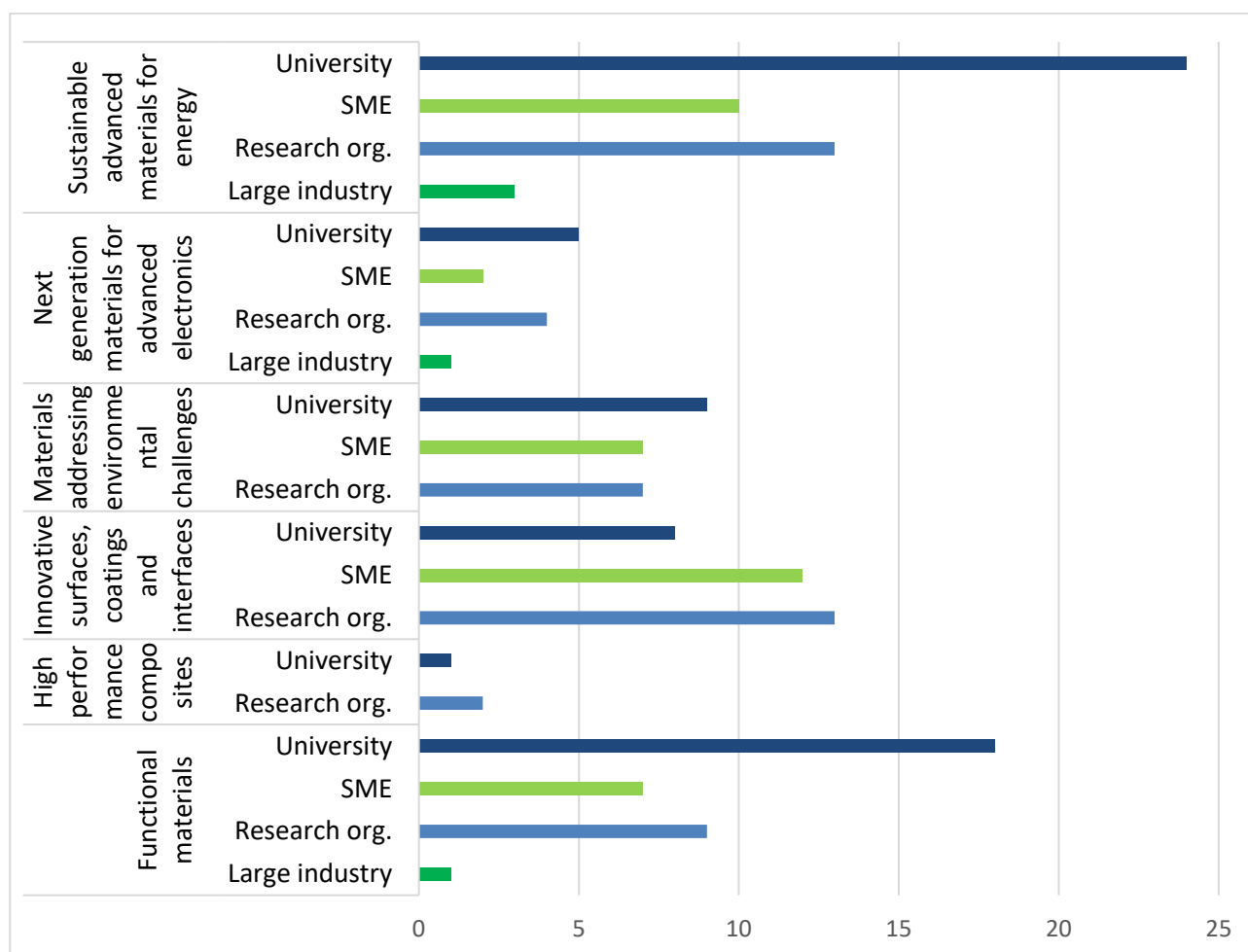


Fig 8: Selected full-proposals: organisation types per topic

The selected projects start from Technology Readiness Level (TRL) 1 (basic principles observed)) to some extent TRL 5 (technology validated in relevant environment) (Fig. 9).

Most of them start with TRL 2 (technology concept formulated) or TRL 3 (experimental proof of concept).

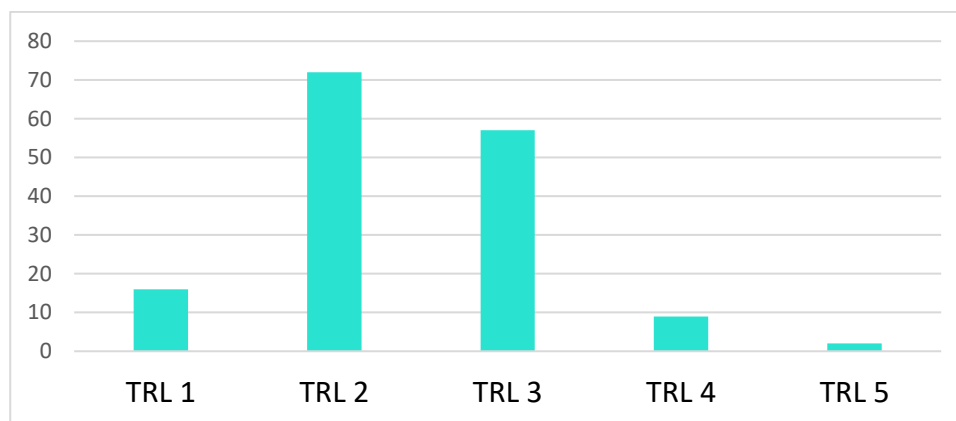


Fig 9: Selected full-proposals: number of applicants per TRL (project start)

The TRL targeted on the end of the project are mainly between TRL 3 and TRL 7 (system prototype demonstration in operational environment), see Fig. 10.

Most projects indicate a two or three step advance of the TRL, resulting in a broad distribution of the end-TRL between TRL 4 (technology validated in lab) and TRL 5 (technology validated in relevant environment).

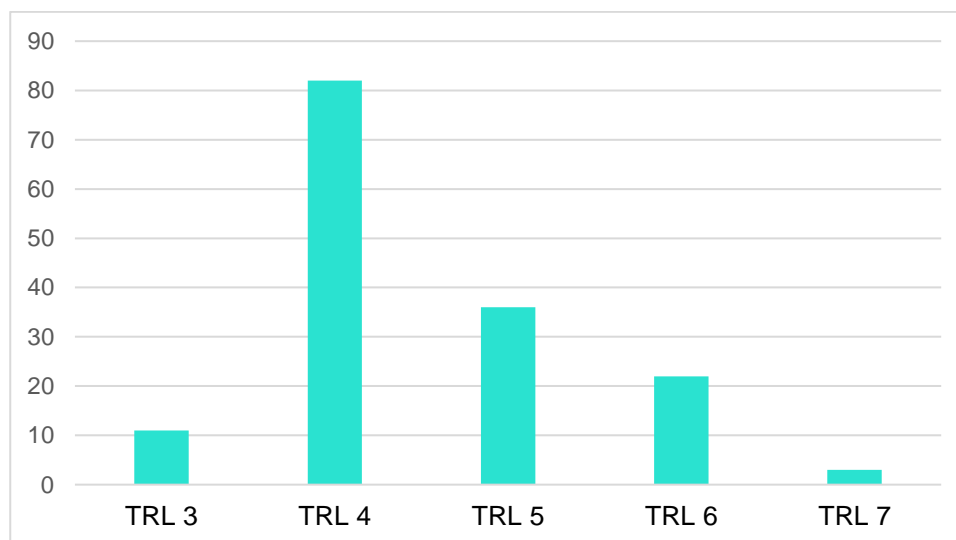


Fig 10: Selected full-proposals: number of applicants per TRL (project end)

The requested funding of selected full-proposals per funding organisation is illustrated in Fig. 11.

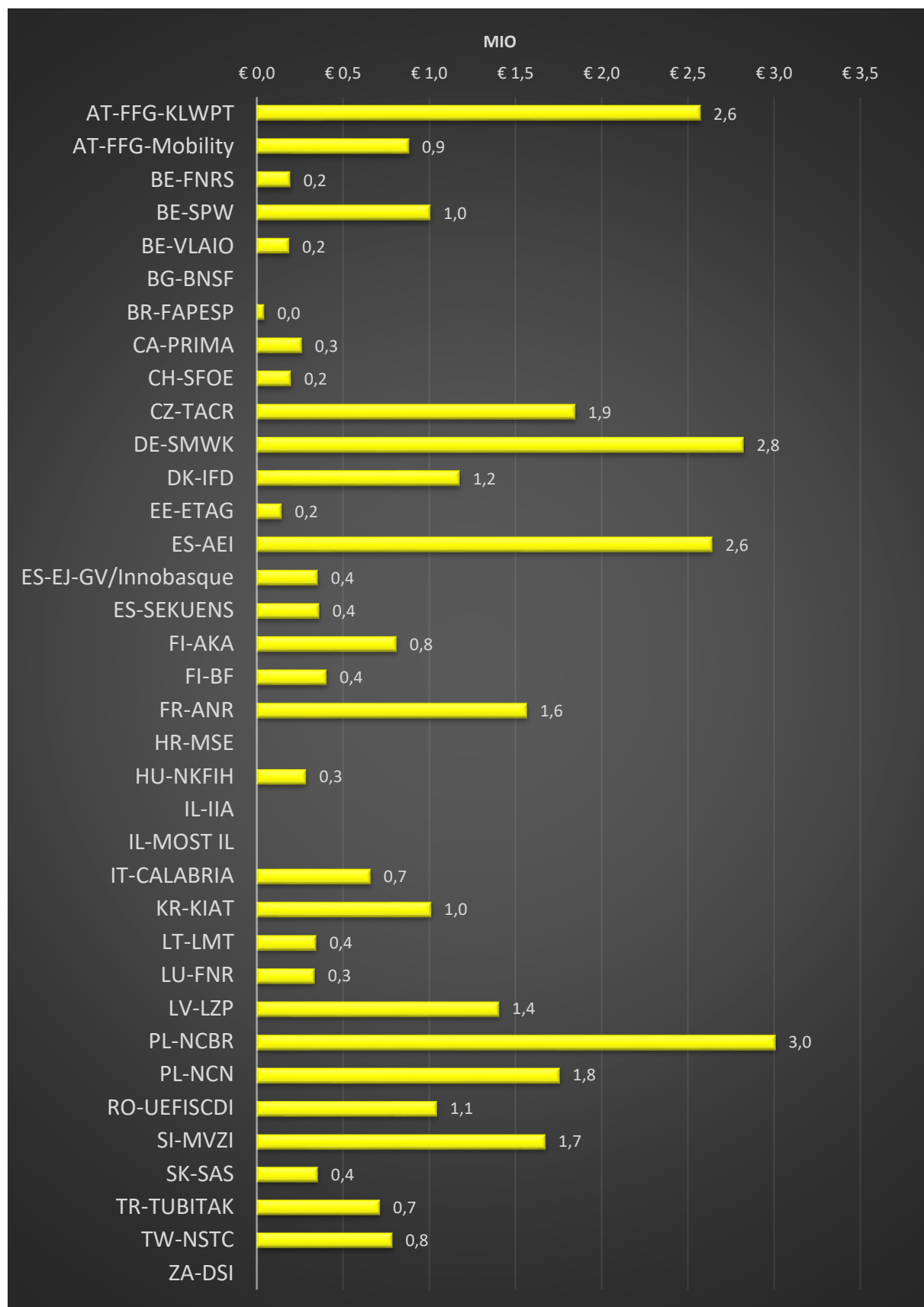


Fig 11: Select full-proposals: requested funding per funding organisation (€).