

## Partnering Opportunity

Profile Status: Published

### Research & Development Request

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## Polish R&D Institute is seeking project partners for MSCA-ITN-2020 Innovative Training Networks.

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### Summary

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*Polish R&D Institute is seeking project partners with an expertise on rare earth materials and related fields for the development of a proposal. Polish entity is to be coordinator of the R&D project. The project aims to provide a broad overview of the current state of the art along with practical applications of physical phenomena in the rare-earths. Call ID: MSCA-ITN-2020 Innovative Training Networks.*

<b>Creation Date</b>	19 July 2019
<b>Last Update</b>	05 September 2019
<b>Expiration Date</b>	31 October 2019
<b>Reference</b>	RDPL20190719001
<b>Public Link</b>	<a href="https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/8468076e-fc09-472e-adca-273da8e4585e">https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/8468076e-fc09-472e-adca-273da8e4585e</a>

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### Details

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#### Description

Client is seeking partners for project under The Innovative Training Networks (ITN) from the programme Marie Skłodowska-Curie Actions (MSCA). Coordinator's intention is to prepare common proposal for 36-months long and 3 000 000EUR worth project. The project shall start in September 2020.

Project is to be an interdisciplinary cross-sectoral European Training Network combining world-leading scientists and key stake-holders in the field of rare earth materials. Partners will share their knowledge from both an academic point of view as well as an industry point of view.

Pre-chosen specific fields on network interests:

- Synthesis and properties of novel rare-earth doped optical materials
- Magnetic properties of rare-earth compounds

- Innovative applications of rare-earths
- Refining, recycling and resources of rare-earths

Coordinator is seeking partners that are experienced in research mostly within the topics mentioned above.

Aim of the project will be to train a new generation of creative, entrepreneurial and innovative early-stage researchers, able to face current and future challenges and to convert knowledge and ideas into products and services for economic and social benefit in a field of usage of rare earth materials.

It will cover the latest research and advances in both the academic and commercial aspects of rare-earths.

Project will raise excellence and structure research and doctoral training, extending the traditional academic research training setting, and equipping researchers with the right combination of research-related and transferable competencies in a field of rare earths. It will provide enhanced career perspectives in both the academic and non-academic sectors through international, interdisciplinary and intersectoral mobility combined with an innovation-oriented mindset.

Partnership of universities, research institutions, research infrastructures, businesses and SMEs is to be composed by the client.

For that purpose Coordinator is seeking 7 independent beneficiaries (R&D Institutes or Universities) - active in fields mentioned in the section "partner sought" - to fulfill the roles of WP Leaders of planned workpackages, to help with creating proposal adequate to the specific area of each partner and to participate in dissemination actions.

Consortium is planned to be composed by the end of September (EOI deadline: 10.09.2019).

## Stage of Development

Proposal under development

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## Keywords

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### Technology

05001001	Analytical Chemistry
05003002	Optics
05005	Micro- and Nanotechnology

### Market

08001012	Speciality metals (including processes for working with metals)
08001016	Commodity chemicals and polymers
08001017	Industrial chemicals

08001023  
09007002

Other chemicals and materials (not elsewhere classified)  
Manufacture of construction materials, components and systems

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## Network Contact

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### Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

### Contact Person

Pawel Zebrowski

### Phone Number

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### Email

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**Open for EOI :**   **Yes**

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## Dissemination

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### Relevant Sector Groups

Bio Chem Tech  
Materials  
Nano- and Microtechnologies

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## Client

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### Type and Size of Organisation Behind the Profile

R&D Institution

### Year Established

1964

### Already Engaged in Trans-National Cooperation

Yes

Ref: RDPL20190719001

## Experience Comments

Client is a research institute active in a field of mathematics, physics, chemistry and earth sciences. It employs 109 researchers. Research interests include wide research of physicochemical structure of solid state and connection to physical, chemical and spectroscopic properties. Institute's specialty are investigations of magnetic 5f- and 4f -electron systems, superconductors, physics of phase transitions and molecular spectroscopy, rare earth materials. The main tasks of the institute are: conducting scientific research (mostly basic, pre-application studies); scientific training of researchers and specialists with qualifications connected with Institute's interests and used research methods; cooperation with universities and colleges in teaching duties; smoothing the way of applying of the obtained results; supporting of the governmental units in metrological duties; and popularization of knowledge connected with Institute's interests. Institute Scientific Council has rights to award PhD and PhD hab. Degrees in physics and chemistry.

## Client Country

Poland

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## Partner Sought

### Type and Role of Partner Sought

Coordinator is seeking 7 independent beneficiaries (R&D Institutes or Universities) active in research for sectors: construction, materials, chemistry.

Coordinator is seeking partners that are experienced in R&D activities mostly within the topics mentioned in the "description" part of the profile.

Coordinator's intention is to compose the coherent consortium consisting of experienced partners, that will handle being WP Leaders of planned workpackages, help with creating proposal and do dissemination actions.

### Type and Size of Partner Sought

University

### Type of Partnership Considered

Research cooperation agreement

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## Program - Call

### Framework Program

Marie Skłodowska-Curie Actions

### Call title and identifier

MSCA-ITN-2020 Innovative Training Networks

### Submission and evaluation scheme

Deadline Model : single-stage

**Anticipated Project Budget**

3 000 000 EUR

**Coordinator Required**

No

**Deadline for EOI**

31 Oct 2019

**Deadline of the Call**

12 Jul 2020

**Project Duration**

136 week(s)

**Weblink to the Call**

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/msca-itn-2020;freeTextSearchKeyword=;typeCodes=1;statusCodes=31094501;programCode=H2020;programDivisionCode=31047830;focusAreaCode=null;crossCuttingPriorityCo>

**Project Title and Acronym**

TBD