

EIT Raw Materials was designated as an EIT Knowledge and Innovation Community (KIC) by the EIT Governing Board on 09 December 2014. The below provides some information about the challenges the KIC will address in the field of raw materials (sustainable exploration, extraction, processing, recycling and substitution) and the impact it will generate.

Goals and impact

EIT Raw Materials has the ambitious vision of turning the challenge of raw materials dependence into a strategic strength for Europe. Its mission is to boost the competitiveness, growth and attractiveness of the European raw materials sector via radical innovation and entrepreneurship. This KIC will integrate multiple disciplines, diversity and complementarity along the three sides of the knowledge triangle (business, education and research) and across the whole raw materials value chain.

EIT Raw Materials will be the strongest consortium ever created in the world in the raw materials field. The approach will pay particular attention to systemic thinking and de-siloing across the value chain. Novel service offerings will be implemented to empower the EIT Raw Materials community and other stakeholders, including four customised tracks focusing on growth and job creation by boosting start-ups, SMEs, radical innovation and education.

EIT Raw Materials will generate significant impact on European competitiveness and employment. This will be realised through the introduction of innovative and sustainable products, processes and services and well-educated people that will deliver increased economic, environmental and social sustainability to European society.

EIT Raw Materials aims to, among others:

- Support and develop over 40 incubated ideas by 2018
- By 2018 create 16 start-ups
- More than 1000 Masters and PhD EIT Label graduates by 2018
- By 2022, EIT Raw materials aims to have commercialised already 70 patents

EIT Raw Materials Co-location Centres

EIT Raw Materials will set up six Co-location Centres:

- Baltic Sea Co-location Centre
(in Espoo, Finland)
- Central Co-location Centre
(in Metz, France)
- Eastern Co-location Centre
(in Wroclaw, Poland)
- Nordic Co-location Centre
(in Luleå, Sweden)
- Southern Co-location Centre
(in Rome, Italy)
- Western Co-location Centre
(in Leuven, Belgium)

List of partners by country (in alphabetical order):

Austria: F.J. Elsner Trading GmbH; Geological Survey of Austria, GBA; Inteco special melting technologies GmbH; Montanuniversitaet Leoben, Technische Universitaet Graz (Graz University of Technology); Technische Universitaet Wien (Vienna University of Technology) and Universitaet Graz (University of Graz).

Belgium: Centre de Recherches Métallurgiques asbl (CRM Group); Ghent University; Interuniversitair Micro-Electronica Centrum vzw; IMEC (Interuniversity Microelectronics Centre); JM Recycling NV; Katholieke Universiteit Leuven; KU Leuven, OCAS N.V.; UMICORE NV; Université de Liège and Vlaamse Instelling voor Technologisch Onderzoek nv, VITO.

Croatia: University of Zagreb

Denmark: Geological Survey of Denmark and Greenland, GEUS.

Estonia: Tallinn University of Technology

Finland: Aalto-Korkeakoulusaatio (Aalto University); Finnish Metals and Engineering Competence Cluster, FIMECC; Geologian tutkimuskeskus, GTK (Geological Survey of Finland); Lappeenranta University of Technology; Metso Minerals Oy; Outotec Oy; Spinverse Oy; University of Oulu and VTT Technical Research Centre of Finland.

France: ArcelorMittal Maizières Research SA; Arkema France; Bureau de Recherches Géologiques et Minières, BRGM; Commissariat à l'énergie atomique et aux énergies alternatives, CEA (French Alternative Energies and Atomic Energy Commission); ERAMET Research; Institut polytechnique de Grenoble (Grenoble Institute of Technology, INP); Soprema SAS; Suez Environnement SAS; Université de Bordeaux and Université de Lorraine.

Germany: Helmholtz-Zentrum Dresden Rossendorf; BASF SE; Clausthal University of Technology; CUTEC-Institut GmbH (Clausthal Institute of Environmental Technology); DMT GmbH & Co. KG; Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.; H.C. Starck GmbH; Heraeus Holding GmbH; Hydro Aluminium Rolled Products GmbH; Recylex GmbH; Rheinisch-Westfälische Technische Hochschule Aachen, RWTH Aachen; Technische Hochschule Nürnberg Georg Simon Ohm; Technische Universität Bergakademie Freiberg; Technische Universität Darmstadt and Wuppertal Institut fuer Klima, Umwelt, Energie GmbH (Wuppertal Institute).

Greece: National Technical University of Athens

Hungary: Aluinvent Limited Company and Bay Zoltan Nonprofit Ltd. for Applied Research

Ireland: Aughinish Alumina Ltd; Trinity College Dublin and University of Limerick

Italy: Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile, ENEA (National agency for new technologies, energy and sustainable economic development); Associazione Trento Rise; ASTER S. Cons. P.A.; Marangoni S.p.A.; Pirelli Tyre S.p.A.; Politecnico di Milano; Università degli Studi di Milano - Bicocca (University of Milano- Bicocca); Università degli Studi di Padova (University of Padova) and Zanardi Fonderie S.p.A.

EIT's 2014 Call for KICs Proposals

Netherlands: Leiden University; Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, TNO (Netherlands Organisation for Applied Scientific Research); Stichting Katholieke Universiteit (Radboud University Nijmegen); Stichting Wetsus Centre of Excellence for Sustainable Water Technology, Wetsus and Technische Universiteit Delft (Delft University of Technology).

Poland: AGH University of Science and Technology; Instytut Metali Niezależnych, IMN (Institute of Non-Ferrous Metals); KGHM Cuprum Ltd. Research & Development Centre; KGHM Polska Miedź Spółka Akcyjna; KGHM Zanam Sp. z o.o.; Lodz University of Technology; Mineral and Energy Economy Research Institute of the Polish Academy of Sciences; Politechnika Śląska (Silesian University of Technology); Politechnika Wroclawska (Wrocław University of Technology, WRUT); and Wrocławskie Centrum Badan EIT+Sp. z o.o. (Wrocław Research Centre Badan EIT+).

Portugal: INESC PORTO - Instituto de Engenharia de Sistemas e Computadores do Porto (Institute for Systems and Computer Engineering of Porto, INESC TEC).

Romania: Geological Institute of Romania and Ovidius University of Constanta

Slovakia: Technical University of Kosice

Slovenia: Geological Survey of Slovenia, GeoSZ and Zavod za gradbnistvo Slovenije, ZAG (Slovenian National Building and Civil Engineering Institute)

Spain: Agencia Estatal Consejo Superior de Investigaciones Cientificas, CSIC; Atlantic Copper S.L.U.; Consell general de Cambres de Comerc Industria i Navegacio de Catalunya (General Council of the Catalan Chambers of Commerce); Fundación CIDAUT (Foundation for Research and Development in Transport and Energy); Fundación Tecnalia Research & Innovation; Instituto Geológico y Minero de España, IGME; Magnesitas Navarras S.A.; Mondragon Corporation S. Coop.; Tecnicas Reunidas SA; Universidad del Pais Vasco / Euskal Herriko Unibertsitatea (University of the Basque Country) and Universidad Politecnica de Madrid, UPM (Technical University of Madrid).

Sweden: Atlas Copco Rock Drills AB; Boliden Mineral AB; Chalmers tekniska högskola AB (Chalmers University of Technology); Geological Survey of Sweden, SGU; Höganäs AB; IVL Svenska Miljöinstitutet AB (IVL Swedish Environmental Research Institute); Jernkontoret; Kungliga Tekniska Högskolan, KTH (Royal Institute of Technology); Luleå University of Technology; Lund University; Luossavaara-Kiirunavaara AB, LKAB; RISE Research Institute of Sweden AB; Sandvik AB and Uppsala Universitet (Uppsala University).

United Kingdom: BMT Group LTD and Imperial College of Science, Technology and Medicine