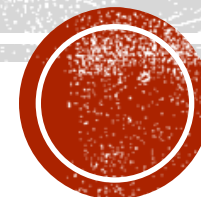


# MICA PROJECT – WP1



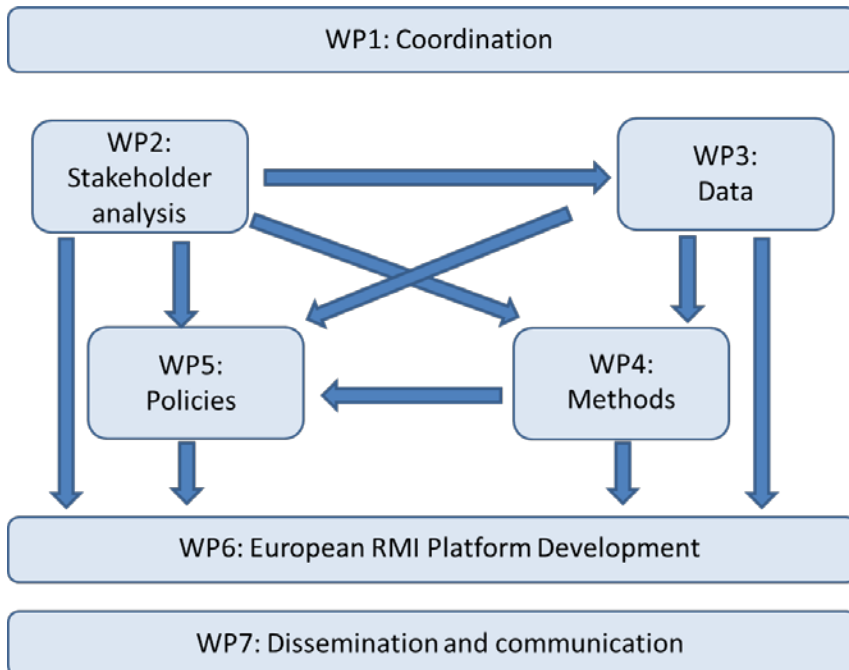
Erika Machacek (GEUS)  
GA, Paris  
14 June/2017

- The goal of MICA is ...
  - to provide stakeholders with the best possible information
  - in a seamless and flexible way
  - using an ontology-based platform

European Union-Raw Materials Intelligence Capacity Platform (EU-RMICP).

- To accomplish this goal, MICA...
  - identifies stakeholder groups and their RMI requirements
  - assesses sources of relevant data and information
  - conducts analyses of appropriate methods and tools
  - provides guidelines and policy recommendations
  - disseminates its results

- Budget: EUR 2 mio.
- Timeline: M19 (Jun) – M26 (Jan)



- Identify and define stakeholder groups and their RMI requirements (WP2);
- Consolidate relevant data on primary and secondary raw materials (WP3);
- Determine appropriate methods and tools to satisfy stakeholder RMI requirements (WP4);
- Investigate (RMI-) options for European mineral policy development (WP5);
- Develop an EU-Raw Materials Intelligence Capacity Platform (EU-RMICP) integrating information on data and methods/tools with user interface capable of answering stakeholder questions (WP6); and
- Disseminate the results (WP7).





# 15 LINKED THIRD PARTIES



**ISPRA**  
Istituto Superiore per la Protezione  
e la Ricerca Ambientale

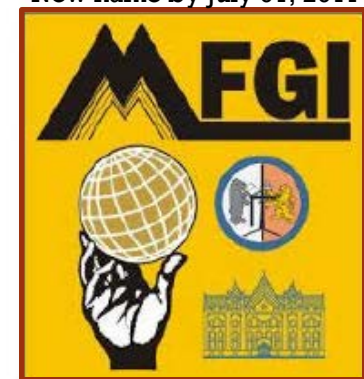
+

**swisstopo**



New name by July 01, 2017



Laboratório Nacional de Energia e Geologia, I. P.



- See here: [www.mica-project.eu](http://www.mica-project.eu) → Publications/MICA Deliverables
- Summary of mid-way recommendation from Advisory Board (D1.2)
- First year report (D1.3)

## Deliverable D2.1

### Stakeholder Report: identification & analysis

<b>Project:</b>	Mineral Intelligence Capacity Analysis
<b>Acronym:</b>	MICA
<b>Grant Agreement:</b>	689468
<b>Funding Scheme:</b>	Horizon 2020
<b>Webpage:</b>	<a href="http://www.mica-project.eu">www.mica-project.eu</a>
<b>Work Package:</b>	Work Package 2
<b>Work Package Leader:</b>	Fraunhofer ISI
<b>Deliverable Title:</b>	Stakeholder Report: identification & analysis
<b>Deliverable Number:</b>	D2.1
<b>Deliverable Leader:</b>	Fraunhofer ISI
<b>Involved beneficiaries:</b>	Fraunhofer ISI, GEUS, NERC, UL-CML, MinPol, BRGM, EGS, EFG, NTNU
<b>Involved Third Parties:</b>	LNEG, MFGI, PGI, SGU
<b>Dissemination level:</b>	PU Public
<b>Version:</b>	Final
<b>Status:</b>	Upload
<b>Authors:</b>	Lorenz Erdmann, Katharina Eckardt, Björn Möller, Luis Tercero, Benjamin Teufel, Maureen Fuchs (Fraunhofer ISI), Erika Machacák, Kisser Thorsøe (GEUS), Evi Petavratzi, Teresa Brown (NERC), Gino van der Voet (UL-CML), Eberhard Falck (MinPol), Vanja Bisevac (EFG), Tobias Hofmeister (NTNU), Lidia Quintal (LNEG), Sini Katalin (MFGI), Barbara Radwanek-Bak (PGI), Jan-Olof Ambom (SGU)
<b>Reviewed by:</b>	Nynke Keulen (GEUS), Daniel Cazzard (BRGM), Vitor Correia (EFG)
<b>Approved by:</b>	Nynke Keulen (GEUS)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.






## Deliverable D2.2

### Stakeholder Needs

<b>Project:</b>	Mineral Intelligence Capacity Analysis
<b>Acronym:</b>	MICA
<b>Grant Agreement:</b>	689468
<b>Funding Scheme:</b>	Horizon 2020
<b>Webpage:</b>	<a href="http://www.mica-project.eu">www.mica-project.eu</a>
<b>Work Package:</b>	Work Package 2
<b>Work Package Leader:</b>	Fraunhofer ISI
<b>Deliverable Title:</b>	Stakeholder Needs
<b>Deliverable Number:</b>	D2.2
<b>Deliverable Leader:</b>	Fraunhofer ISI
<b>Involved beneficiaries:</b>	Fraunhofer ISI, GEUS, NERC, CML, MinPol, BRGM, EGS, EFG, NTNU
<b>Dissemination level:</b>	PU Public
<b>Version:</b>	Final
<b>Status:</b>	Submitted
<b>Authors:</b>	Lorenz Erdmann, Björn Möller, Luis Tercero (Fraunhofer ISI), Loran van Oers (CML), Vanja Bisevac, Vitor Correia (EFG), Claudia Delfini (EGS), Thorsøe Kisser (GEUS), Eberhard Falck (MinPol), Evi Petavratzi (NERC), Dirk Lausinger (NTNU), Barbara Radwanek-Bak (PGI), Jan-Olof Ambom (SGU)
<b>Reviewed by:</b>	Nynke Keulen (GEUS), Teresa Brown (NERC), Eberhard Falck (MinPol)
<b>Approved by:</b>	Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.

## Deliverable D3.1

### Draft inventory of data on raw materials

<b>Project:</b>	Mineral Intelligence Capacity Analysis
<b>Acronym:</b>	MICA
<b>Grant Agreement:</b>	689468
<b>Funding Scheme:</b>	Horizon 2020
<b>Webpage:</b>	<a href="http://www.mica-project.eu">www.mica-project.eu</a>
<b>Work Package:</b>	Work Package 3
<b>Work Package Leader:</b>	Evi Petavratzi
<b>Deliverable Title:</b>	Draft inventory of data on raw materials
<b>Deliverable Number:</b>	D3.1
<b>Deliverable Leader:</b>	NERC
<b>Involved beneficiaries:</b>	NERC, GEUS, Fraunhofer, UL-CML, MinPol, BRGM, BRG, GTK, NTNU; Linked Third Parties: Swisstopo, GSI, GIR, LNEG
<b>Dissemination level:</b>	PU Public
<b>Status:</b>	Final
<b>Version:</b>	Submitted
<b>Authors:</b>	Evi Petavratzi, Teresa Brown, James Passmore, Teresa Brown, James Passmore, Jouni Vuollo, Eberhard Falck, Nynke Keulen, Lorenz Erdmann
<b>Reviewed by:</b>	Nynke Keulen
<b>Approved by:</b>	Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.

## Deliverable D4.1

### Factsheets of Methods for Raw Materials Intelligence

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** [www.mica-project.eu](http://www.mica-project.eu)  
**Work Package:** Work Package 4  
**Work Package Leader:** CML, Ester van der Voet  
**Deliverable Title:** Fact sheets of Methods for Raw Materials Intelligence  
**Deliverable Number:** D4.1  
**Deliverable Leader:** CML, Ester van der Voet  
**Involved beneficiaries:** CML, BGS, UCL  
**Dissemination level:** PU Public  
**Version:** Final  
**Status:** Submitted  
**Authors:** Tom Bide, Raimund Bleischwitz, Teresa Brown, Teresa Domenech, Florian Flachenecker, Claire Fleming, Charles Kirkwood, Laurant van Oers, Evi Petavratzi, Richard Shaw, Ester van der Voet  
**Reviewed by:**  
**Approved by:** Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.

## Deliverable D4.2

### Mapping of MICA methods to stakeholder questions

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** [www.mica-project.eu](http://www.mica-project.eu)  
**Work Package:** Work Package 4  
**Work Package Leader:** UL-CML, Ester van der Voet  
**Deliverable Title:** Mapping of MICA methods to stakeholder questions  
**Deliverable Number:** D4.2  
**Deliverable Leader:** UL-CML, Ester van der Voet  
**Involved beneficiaries:** UL-CML  
**Dissemination level:** PU Public  
**Version:** Final  
**Status:** Submitted  
**Authors:** Ester van der Voet, Laurant van Oers, Ruben Huele  
**Reviewed by:** Nynke Keulen, Kisser Thorsøe  
**Approved by:** Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.



## Raw Materials Foresight Methodology Workshop Las Palmas, Gran Canaria 10-11 May



### Deliverable D5.1

#### Raw Materials Intelligence Tools and Methods

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** [www.mica-project.eu](http://www.mica-project.eu)  
**Work Package:** Work Package 5  
**Work Package Leader:** MinPol GmbH  
**Deliverable Title:** Raw Materials Intelligence Tools and Methods  
**Deliverable Number:** D5.1  
**Deliverable Leader:** MinPol GmbH  
**Involved beneficiaries:** MinPol GmbH, GEUS, UCL  
**Dissemination level:** Public  
**Version:** Final  
**Status:** Submitted  
**Authors:** W.E. Falk, G. Tiess, D. Murguía, E. Machacek, T. Domenech, B. Hamadová  
**Reviewed by:** N. Keulen, M. Konrat Martins  
**Approved by:** G. Tiess, Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.

### Deliverable D5.3

#### Report on Foresight Logframe

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** [www.mica-project.eu](http://www.mica-project.eu)  
**Work Package:** Work Package 5  
**Work Package Leader:** MinPol, Eberhard Falk  
**Deliverable Title:** Report on Foresight Logframe  
**Deliverable Number:** D5.3  
**Deliverable Leader:** LPRC  
**Involved beneficiaries:** LPRC, MinPol  
**Dissemination level:** PU Public  
**Version:** Final  
**Status:** Submitted  
**Authors:** Marco Konrat Martins, Balazs Bodo  
**Reviewed by:** Eberhard Falk, Nynke Keulen  
**Approved by:** Nynke Keulen

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Ref. Ares(2016)2051720 - 30/04/2016



## Deliverable D7.1 Graphical Identity

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** www.mica-project.eu  
**Work Package:** Work Package 7  
**Work Package Leader:** EuroGeoSurveys  
**Deliverable Title:** Graphical Identity  
**Deliverable Number:** D7.1  
**Deliverable Leader:**  
**Involved beneficiaries:**  
**Dissemination level:** PU Public  
**Version:** Final  
**Status:**  
**Authors:** Claudia Delfini, Nynke Keulen  
**Reviewed by:**  
**Approved by:** Nynke Keulen

This project has received funding from the European Union's Horizon 2020 innovation programme under Grant Agreement No. 689468.



## Deliverable D7.2 Teasers and Promotion Materials

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** www.mica-project.eu  
**Work Package:** Work Package 7  
**Work Package Leader:** EuroGeoSurveys  
**Deliverable Title:** Teasers and Promotion Materials  
**Deliverable Number:** D7.2  
**Deliverable Leader:**  
**Involved beneficiaries:**  
**Dissemination level:** PU Public  
**Version:** Final  
**Status:**  
**Authors:** Claudia Delfini, Nynke Keulen  
**Reviewed by:** Kisser Thorsøe, Nynke Keulen, Lorenz Erdmann, Eberhard Falck, Vitor Correia  
**Approved by:** Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.



## Deliverable D7.3 Communication Strategy

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** www.mica-project.eu  
**Work Package:** Work Package 7  
**Work Package Leader:** EuroGeoSurveys (EGS)  
**Deliverable Title:** Communication Strategy  
**Deliverable Number:** D7.3  
**Deliverable Leader:** EuroGeoSurveys (EGS)  
**Involved beneficiaries:** All partners  
**Dissemination level:** PU Public  
**Version:** Draft/Final  
**Status:** 23.07.2016  
**Authors:** Claudia Delfini, David Ovadia, Vitor Correia  
**Reviewed by:** Kisser Thorsøe, Nynke Keulen  
**Approved by:** Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.



## Deliverable D7.4 MICA Social Network

**Project:** Mineral Intelligence Capacity Analysis  
**Acronym:** MICA  
**Grant Agreement:** 689468  
**Funding Scheme:** Horizon 2020  
**Webpage:** www.mica-project.eu  
**Work Package:** Work Package 7  
**Work Package Leader:** Claudia Delfini  
**Deliverable Title:** Social Media Report  
**Deliverable Number:** D7.4  
**Deliverable Leader:** EGS  
**Involved beneficiaries:** Fraunhofer ISI, GEUS, MINPOL, EFG, JRC  
**Dissemination level:** PU Public  
**Version:** Final  
**Status:** Submitted  
**Authors:** Claudia Delfini  
**Reviewed by:** Kisser Thorsøe  
**Approved by:** Nynke Keulen

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689468.

# 1<sup>ST</sup> DISSEMINATION EVENT



7<sup>th</sup> June, Helsinki



## The coming revolution in Mineral Intelligence Capacity Analysis

JUN  
07

MICA Side Event to the  
World Circular Economy  
Forum

by EuroGeoSurveys

Free

[www.wcef2017.com](http://www.wcef2017.com)



- **End of June:** Half-yearly reports due(templates sent out)
- **July:**
  - D3.2 Final inventory
  - D5.2 (delay) Report on the developm. and applic. of the RMI-Matrix
  - D5.4 Report on Pilot Foresight
  - D5.5 Raw materials foresight guide
- **September:**
  - D3.3 Report on the transformation of data into info. and knowledge
  - D4.3 Four case study reports
  - D6.1 Description of the EU-RMICP system methodology
- **November:**
  - D3.4 Draft report on RM data inventory
  - D4.4 Recommendations document
  - D5.6 Report on RMI implementation status quo and needs in EU-28
- **December:**
  - D6.2 Delivery and integration of the EU-RMICP system

- 9<sup>th</sup> November, Raw Materials Week: MICA dissemination at ProSUM (D7.5)
- Decision on format of further dissemination of MICA (D7.5)
- 8<sup>th</sup> December: Draft final technical report due (D1.4)
- 23<sup>rd</sup> January, 10am - 24.01.2018, 15:00, MICA Final event: General assembly and Review meeting, Brussels
- Contextualize this meeting



# THANKS FOR YOUR ATTENTION

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 689648