

Predstavitev EIT RawMaterials – evropske skupnosti inovacij in znanja na področju surovin



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA IZOBRAŽEVANJE,
ZNANOST IN ŠPORT



EVROPSKA UNIJA
EVROPSKI SKLAD ZA
REGIONALNI RAZVOJ
NALOŽBA V VAŠO PRIHODNOST

ZAG

ZAVOD ZA
GRADBENIŠTVO
SLOVENIJE



**SALONIT
ANHOVO**

Alenka Mauko Pranjič in Ana
Mladenovič

Laboratorij za kamen, agregat in
reciklirane materiale

Razvojne usmeritve in trajnostni vidiki
na področju mineralnih veziv

Zavod za gradbeništvo Slovenije,
15.3.2018

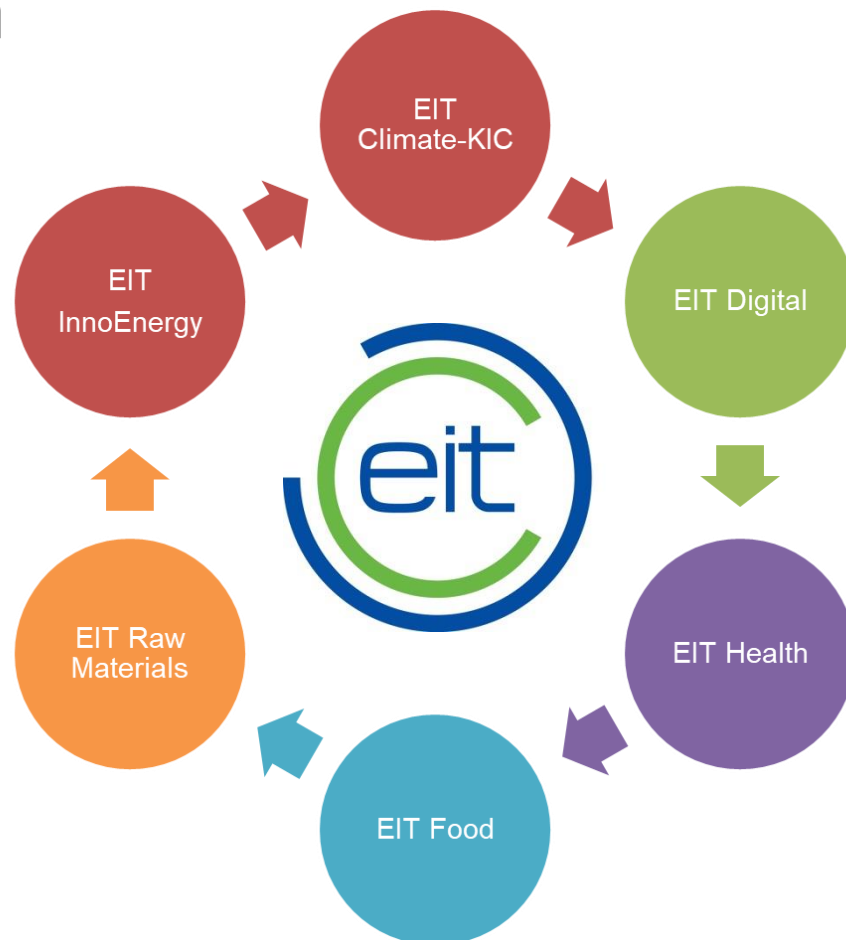
EIT – evropski institut inovacij in tehnologij

- EIT = European Institute of Innovation and Technology
 - Ustanovljen 2008 kot neodvisno telo Evropske Unije z namenom pospešiti inovacije in podjetništvo v Evropi.



Skupnosti znanja in inovacij

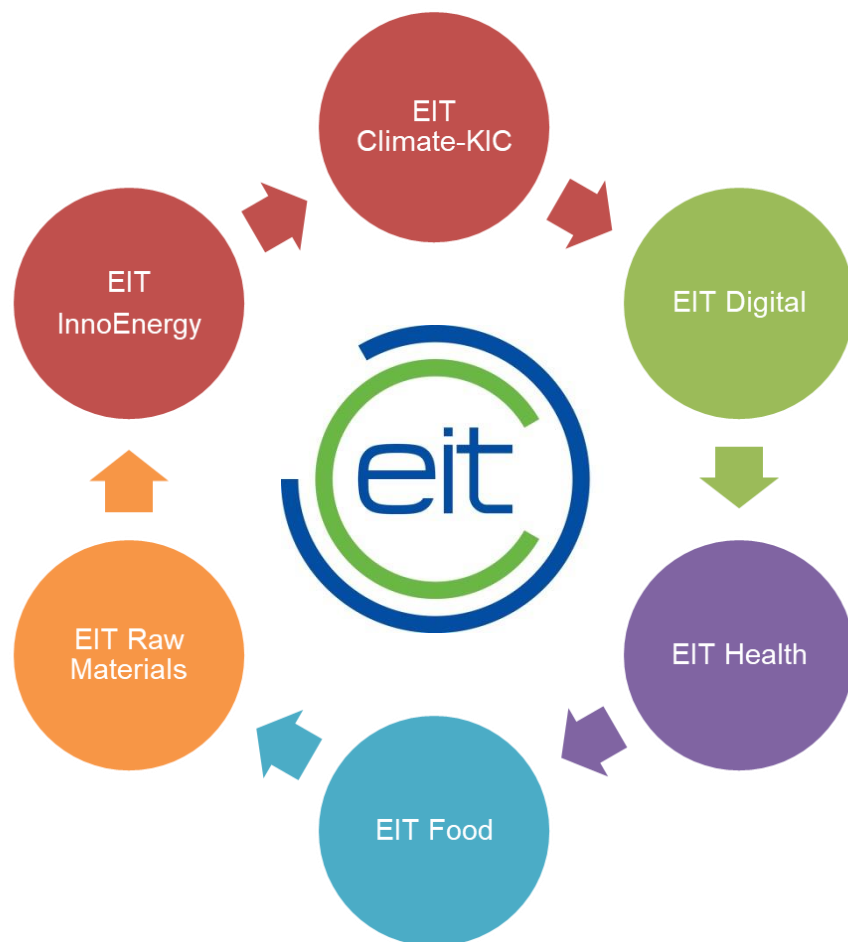
- 6 skupnosti znanja in inovacij – KIC:



Skupnosti znanja in inovacij

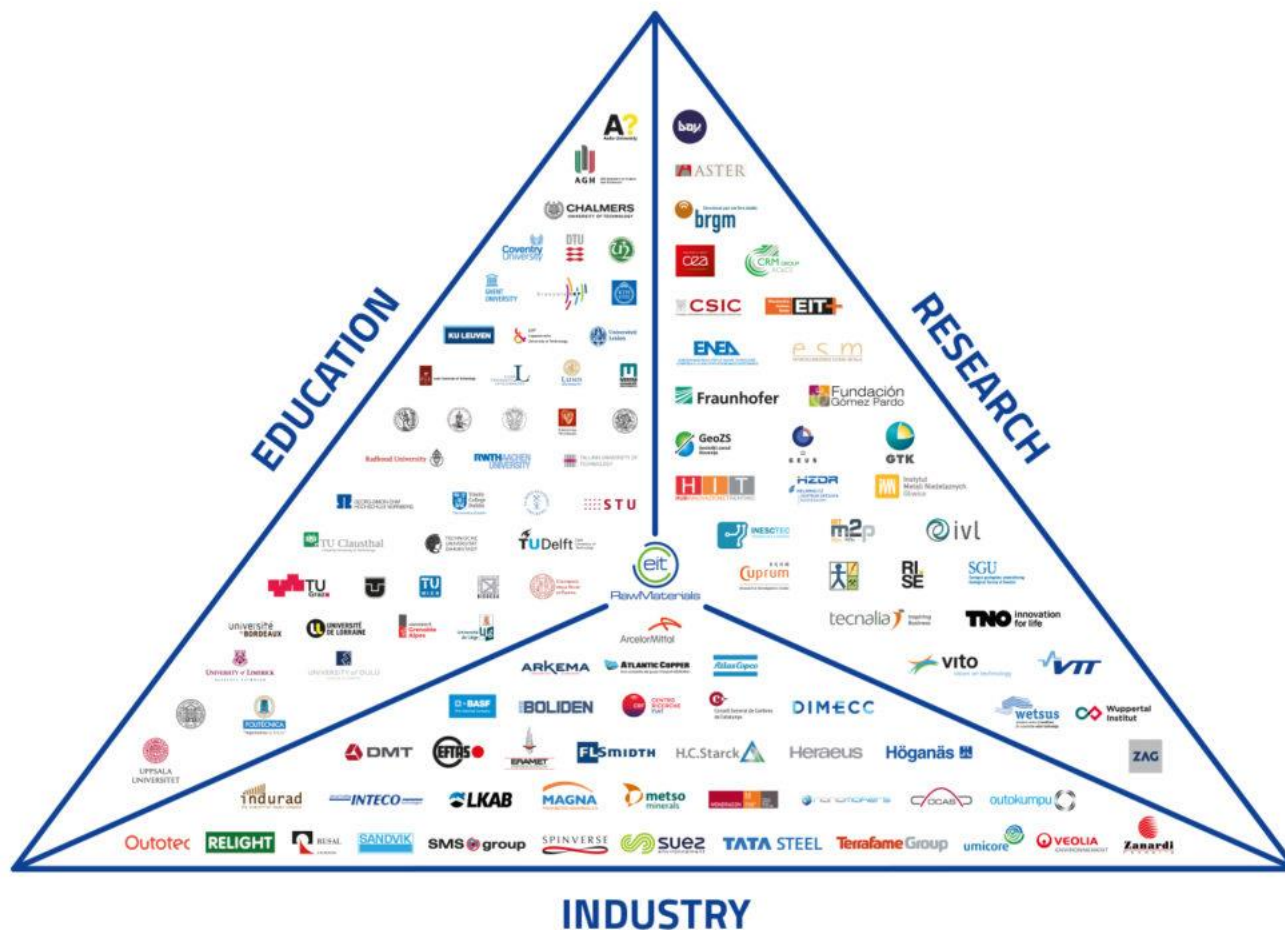
- Poziv za dve novi skupnosti v 2018:
 - Urban Mobility
 - Added-value Manufacturing

Rok za prijavo: 12
julij 2018



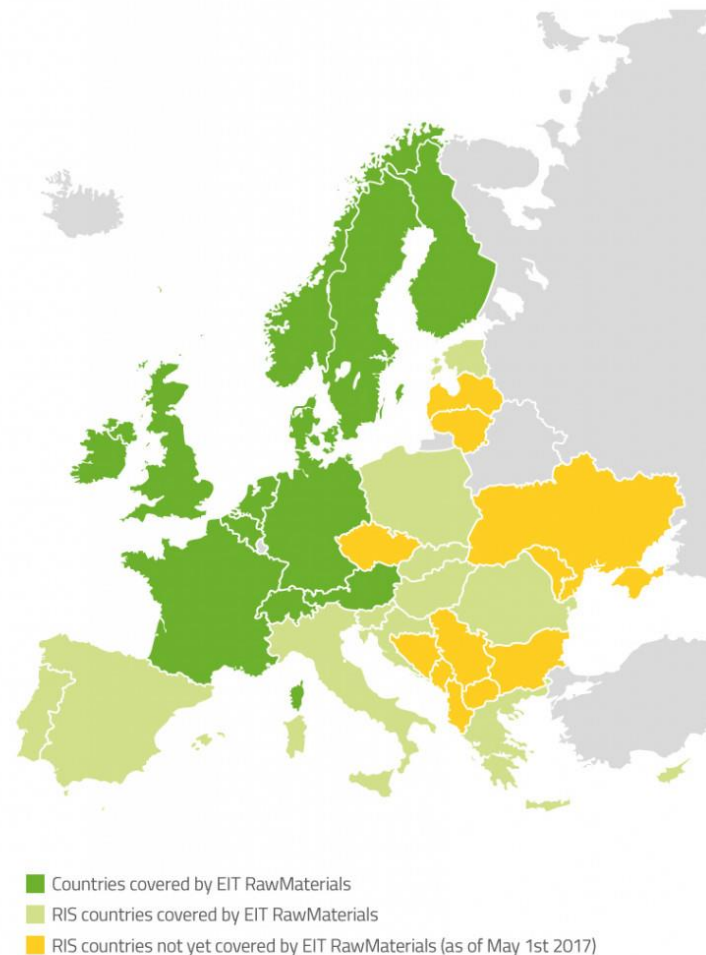
- Spremeniti izziv odvisnosti surovin v strateško moč Evrope
- Pospešiti konkurenčnost, rast in privlačnost evropskega surovinskega sektorja skozi radikalne inovacije in podjetništvo
- Cilji do 2019:
 - 50 - 80 novih ali izboljšanih proizvodov z 10-20 novimi podjetji, ki tržijo te proizvode
 - 120 – 180 patentov, 5 – 15 komercializiranih
 - 300 – 600 diplomantov iz EIT označenih programov
 - Razvoj različnih ključnih indikatorjev delovanja (KPI), ki bodo izboljšali konkurenčnost industrije in inovacijske zmožnosti v EU (npr. 500 – 1500 novih delovnih mest v EU)

Več kot 120 partnerjev v 6 kolokacijskih centrov (inovacijskih vozlišč)



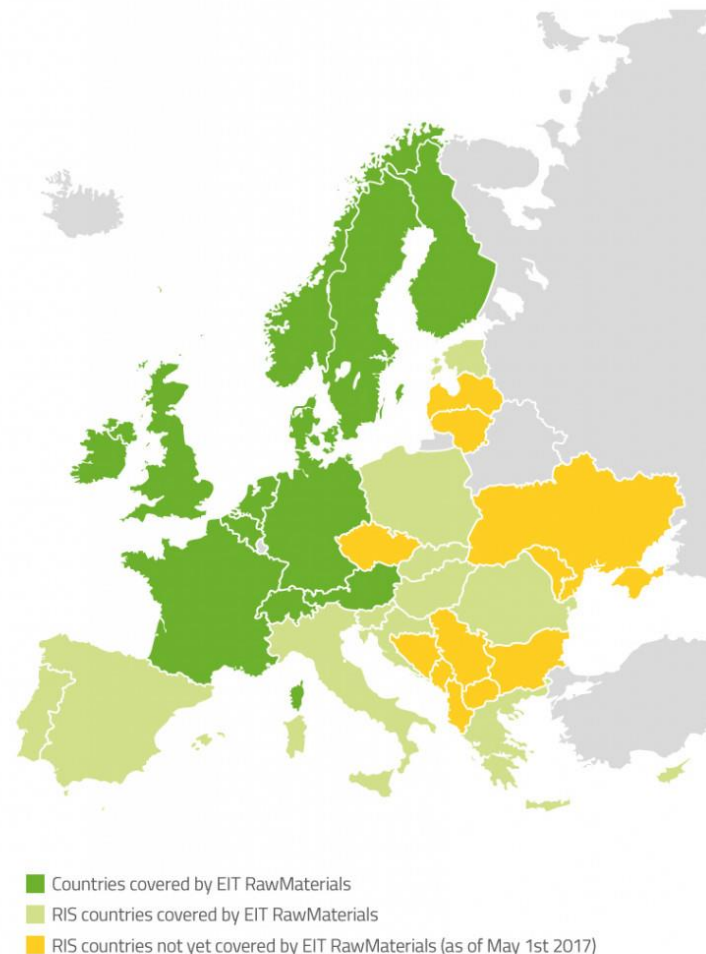
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- CLC Baltic
 - Espoo, Finska
- CLC Central
 - Metz, Francija
- CLC East
 - Wroclaw, Poljska
- CLC North
 - Lulea, Švedska
- CLC South
 - Rim, Italija
- CLC West
 - Leuven, Belgija



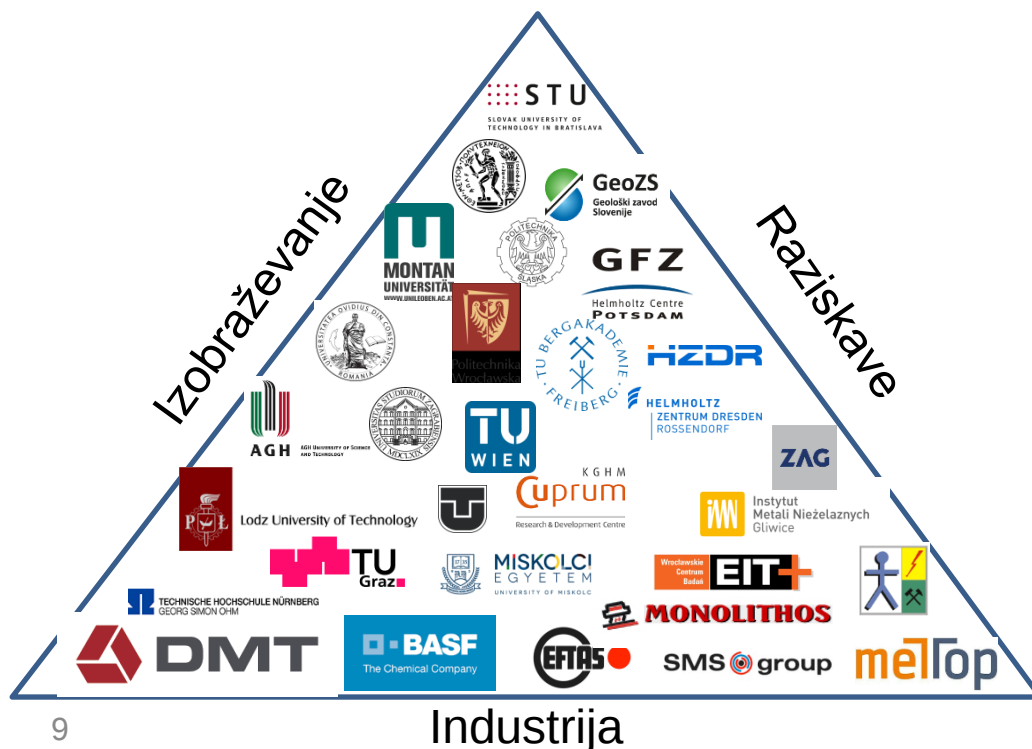
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Vzhodni kolokacijski center

- Geografsko najobsežnejši kolokacijski center: Nemčija (8), Poljska (8), Madžarska (1), Slovaška (2), Avstrija (4), Slovenija (2), Hrvaška (1), Romunija (1) in Grčija (2)
- 29 partnerjev (8 osrednjih in 21 pridruženih partnerjev)



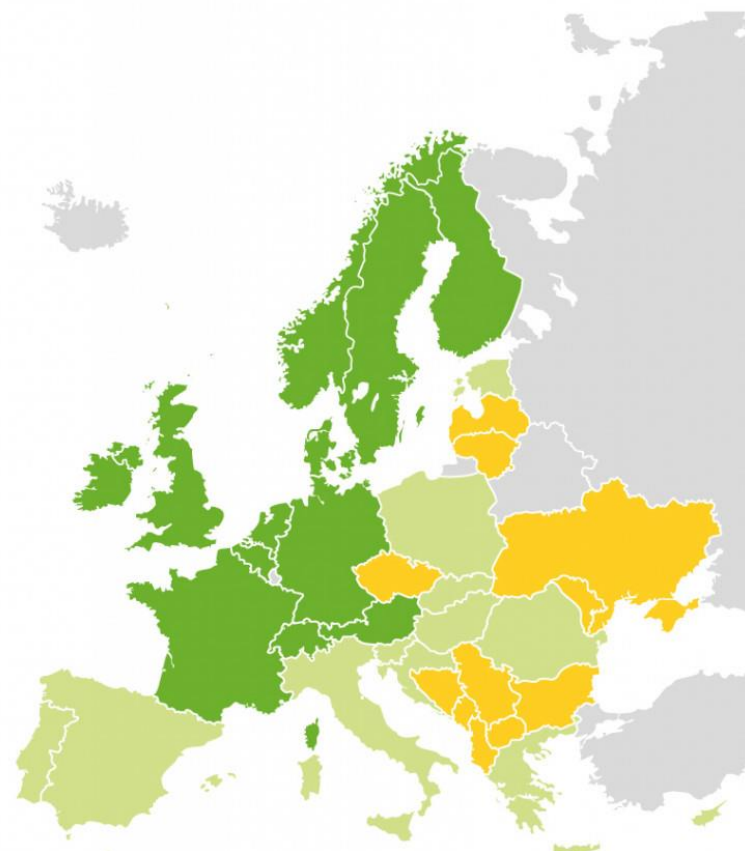
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Regionalna inovacijska shema

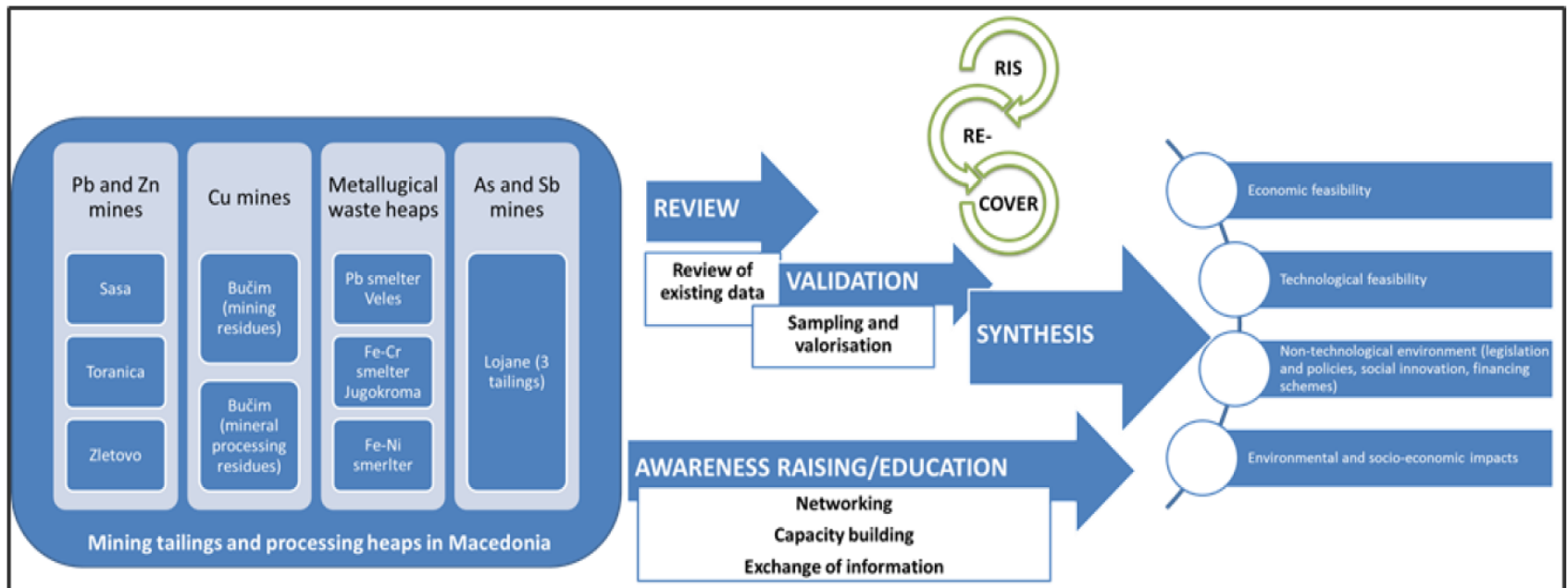
- Pokrivanje surovinskega sektorja po vsej Evropi, tudi na področjih, kjer ni članov in z nižjimi inovacijskimi ocenami.
- Zlasti pomembno za področje sekundarnih surovin, saj v JV Evropa nastane več kot 50% vseh rudarskih odpadkov, in odpadkov nastalih pri procesiranju rud v Evropi.
- ESEE regija: EU strategija vključevanja držav Zah. Balkana



- Countries covered by EIT RawMaterials
- RIS countries covered by EIT RawMaterials
- RIS countries not yet covered by EIT RawMaterials (as of May 1st 2017)

Nekaj primerov uspešnih RIS projektov

- RIS-RECOVER: Regional innovation scheme for zero waste extraction of critical raw materials
 - Koordinator ZAG (SI), partnerji: GeoZS (SI), VITO (Be), UGD (MK) in GIM (MK)
 - 1.2.2018 – 31.12.2020



Nekaj primerov uspešnih RIS projektov

- SPL-CYCLE. Closing the loop of the Spent Pot-

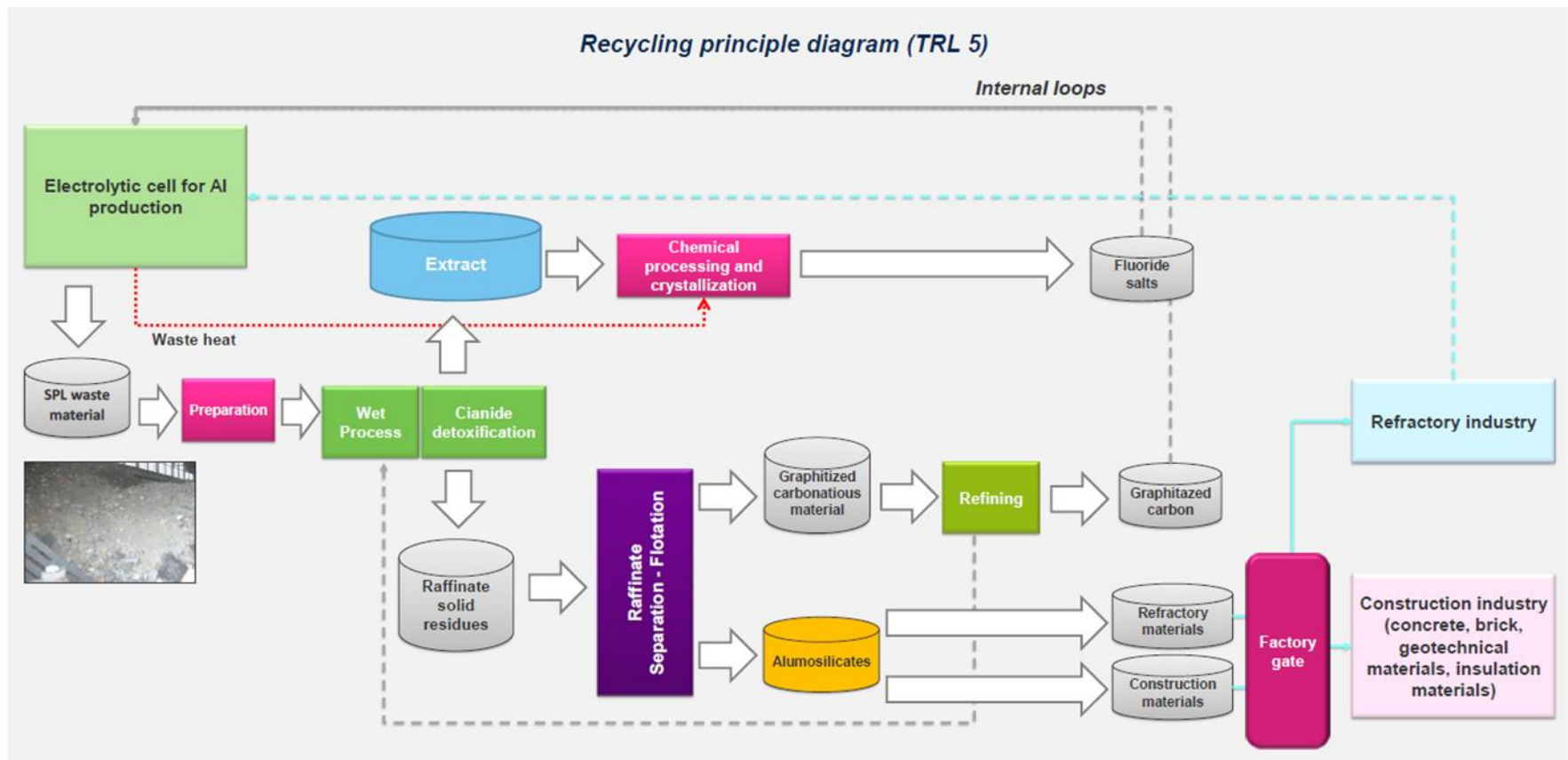


Figure 1: The basic outline of SPL CYCLE technology principle.

Kako se lahko partnerji, ki niso člani, vključujejo v aktivnosti EIT RawMaterials

Matchmaking & Networking

1. InfoCenter

Service desk / network / data base for providing knowledge of
(a) Lab & test environment
(b) Research & expertise
(c) Idea & innovation

2. Raw Materials Matches

Combining existing technology with new business models for licensing, joint ventures, access for students to find a job and a job to find a student, a platform for EU wide internships, SME needs for skills & expertise

3. IDEA Camp

Event for idea exchange, starting event e.g. for SME Fast Track

4. Intrapreneurship Facilitator

Event for generation & acceleration of intrapreneurship

Validation & Acceleration

5. Up-scaling

An innovation project that is at or near a TRL of demonstration or prototyping and needs a specific additional step to be taken

These projects aim at
(a) Integration of existing technology
(b) De-siloing and value chain co-operation
(c) Bringing technologies to the market

6. Network of Infrastructure

Combining existing facilities to reach critical mass in the areas of
(a) Pilot plants / technical centers
(b) Analytical and modelling infrastructure

Learning & Outreach

7. PhD Education

Raw Materials relevant courses / seminars / workshops

8. Master Education

Modules for Masters Programmes focusing on Raw Materials themes and industry needs

9. Lifelong Education

Lifelong learning approaches address the industry's needs for qualified professionals

10. Wider Society Learning

Aims to raise society's and decision makers' awareness through events and media coverage

Business Creation & Support

11. Incubator & Business creation Services

Providing entrepreneurship services for supporting new start-ups (scouting, business model development, access to funding and technology, coaching, etc.)

12. Start-up & innovation booster

Supporting entrepreneurs in creating their business

13. SME Growth booster

Providing support for SMEs expansion abroad and tailor made benchmarking and matchmaking of local / regional actors

14. Kick-start funding

Using own Raw Materials fund for pushing the best projects

Dogodki

- <https://eitrawmaterials.eu/events/>
- Primer:



INTRANET SUBSCRIBE in YouTube Twitter Facebook

Home / Course on Circular Residue Usage in the Metallurgical Industry

Course on Circular Residue Usage in the Metallurgical Industry 10 April 2018 at 09:00 - 12:00

The course on Circular Residue Usage in the Metallurgical Industry is developed within the EIT RawMaterials Academy and is aimed for professionals in metallurgical industry and research institutes, PhD students, environmental agencies and decision makers. Engineers new in the area can get a quick start at the new job positions, and experienced ones can reach a broader knowledge on cross-sectorial opportunities.

The course includes a **webinar** introducing the course and the participants, and also giving a brief overview on secondary materials, their origin and characteristics as well as possible use. Moreover, possible case studies for training will be discussed and initialised. The **webinar is followed by a face-to-face intensive course** and a **final follow-up seminar** for case study presentations.

Knowledge on secondary materials that will be delivered covers secondary materials generated in different metallurgical industries as well as EOL products. Origin and characteristics for these materials, and also possibilities and challenges in recycling to existing processes in e.g. steel, ferroalloys and base

Details

Date:

10 April 2018

Time:

09:00 - 12:00

Website:

<https://www.swerea.se/en/cirrus>

[PRIJAVA](#)

31. marca 2018



BUSINESS IDEA COMPETITION

WHO

Researchers / idea holders / early stage start-ups not yet fully validated (TRL<4)

WHAT

Ideas for innovative products (services) technologies in the raw materials sector.

WHY

Participate in **training bootcamps** (fully reimbursed).
Learn how to **develop your idea into a business plan** and pitch your idea to investors.
Pitch your idea at the final event and **win up to €10.000**.
Engage with the world's largest innovation community in the raw materials sector.



APPLY HERE

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WWW

KAVA razpisi

- <https://eitrawmaterials.eu/call-for-projects-2018/>
- 1x na leto (pogoji podobni kot H2020) npr. za naslednje vrste aktivnosti:
 - Upscaling (TRL=5 do TLR=7)
 - Infrastrukturne mreže (Network of infrastructure)
 - Izobraževanje (doktorski programi, magisterski programi, celoživljenjsko učenje, učenje širše družbe)
 - RIS in internacionalizacija
- Nečlani se lahko vključujejo kot t.i. izvedbeni partnerji (task partners): maksimalno KAVA financiranje na vseh projektih 60 kEUR na leto.

Včlanitev

- Kategorije partnerjev:
 - Osrednji partner (Core partner)
 - Letna članarina: 100 kEUR, neomejeno KAVA financiranja, odločevalne pravice
 - Pridruženi partner
 - Letna članarina: 30 kEUR, 300 kEUR na leto maksimalno KAVA financiranje, odločevalne pravice preko predstavnikov
 - **NOVO! Projektni partner**
 - Letna članarina: 10kEUR, 100 kEUR na leto maksimalno KAVA financiranje, brez odločevalnih pravic
 - Task partner
 - Ni letne članarine, maksimalno KAVA financiranje odvisno od vrste aktivnosti, običajno maks. 60 kEUR, brez odločevalnih pravic, status podoben TLP v H2020
 - Podporni partner
 - Ni letne članarine, ni KAVA financiranja, brez odločevalnih pravic, status podoben TLP v H2020

Regionalni center Adria



- Ustanovitveni partnerji:



- Najpomembnejše aktivnost v 2018:
 - 16.4.2018: Zagreb matchmaking workshop
“[Challenges in mining industry of the ADRIA region](#)”
 - Maj 2018: Delavnica industrijske simbioze, Ljubljana
 - 3-5.10.2018: RC Adria sekcija na 5. slovenskem geološkem kongresu, Velenje

John F. Kennedy

1917—1963

*“Ask not what your country
can do for you,
ask what you can do
for your country”*





- Kako lahko pripomoreta moja povečana inovativnost in konkurenčnost k razvoju Evropskega surovinskega sektorja?

- Nekaj idej:

<https://eitrawmaterials.eu/success-stories/>

- Kaj lahko mi kot EIT RawMaterials ali kot RC Adria storimo za vas?

EIT RawMaterials: RC Adria

Zavod za gradbeništvo Slovenije

Ana Mladenovič

ana.mladenovic@zag.si

Alenka Mauko
Pranjić

alenka.mauko@zag.si

Sabina Kramar

sabina.kramar@zag.si

Geološki zavod Slovenije

Urša Šolc

urska.solc@zag.si

**Sveučilište u Zagrebu,
Rudarsko-geološko-naftni
fakultet**

Sibila Borojević
Šoštarić

sibila.borojevic-
sostaric@oblak.rgn.hr

Vječislav Bohanek

vjecislav.bohanek@rgn.hr

Mia Pavlica

mia.pavlica@rgn.hr



HVALA ZA POZORNOST!