**COMET-Project**

**COMMBY**

Competence network for the assessment of metal bearing by-products

<table>
<thead>
<tr>
<th>Main location</th>
<th>Leoben, Styria</th>
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<tbody>
<tr>
<td>Other locations</td>
<td>-</td>
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<tr>
<td>Research programme</td>
<td>Mineralogical, processing and metallurgical characterization of metal bearing residues with a focus on the lead, zinc and copper industry. Evaluation and development of recycling processes for the extraction of valuables. Development of an assessment scheme for secondary deposits.</td>
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</tbody>
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**Planned realisation and outcomes**

The COMET project "COMMBY" deals with the evaluation of industrial by-products that are not currently available for further economic use. Through the characterization of selected residues and the evaluation of possible recycling processes, a generally valid assessment scheme is to be developed, which allows interested investors and companies a reliable assessment of potentially usable secondary resources.

**History of establishment**

Within many years of co-operation between the Montanuniversität and industrial partners, various industrial residues have been investigated and extraction processes developed. The absence of a general scheme for the economic evaluation of e.g. heaps led to the project at hand.

**Selected company partners**

1. ARP Aufbereitung, Recycling, Prüftechnik GesmbH
2. CEMTEC Cement and Mining Technology GmbH
3. GKB Bergbau GmbH
4. Marienhütte Stahl- und Walzwerk GmbH
5. R+M Ressourcen + Management GmbH
6. RHI Feuerfest GmbH

**Selected scientific partners** (max. 5)

1. Montanuniversität Leoben

**Selected international partners** ¹ (max. 5)

1. Befesa Steel R&D S.L.U

**Start of the COMET-Project** 10/2018 (4 years)

**Number of personnel** 21 (FTE) are involved (19 FTE are scientists)

**Total costs** EUR 2,760,000

**Leader of consortium:** Priv.Doz. DI Dr. Jürgen Antrekowitsch, head of working group ‘Heavy Metals Recycling’

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¹ Partners with headquarters outside Austria