COMET: K-Project

**imPACts**

**Industrial Methods for Process Analytical Chemistry – From Measurement Technologies to Information Systems**

<table>
<thead>
<tr>
<th>Main location</th>
<th>Linz (Upper Austria)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other locations</td>
<td>Vienna (Vienna), Hagenberg (Upper Austria)</td>
</tr>
<tr>
<td>Research programme</td>
<td>“imPACts” aims at strengthening the process industry in various sectors. By fostering the development of process analytical technologies towards knowledge based information systems, industry shall be enabled for optimized real-time decision making and process optimization.</td>
</tr>
</tbody>
</table>

**Planned realisation and outcomes**

“imPACts” will focus on the further development of process analytical technologies (always aiming for online-applicability) in the following fields: LIBS, QCL spectroscopy, MIR-, NIR- and Raman-spectroscopy, THz-technology, NMR, PEIM and microsensors.

For generating economic value out of the measured data, the methods for chemometric data analysis and (bio-)process modelling will be developed towards the realization of knowledge-based information systems.

**History of establishment**

Some of the partners have already successfully cooperated in the K-project PAC. There, a key aspect had been the data acquisition and data processing for IR-spectroscopy. Now the consortium and the focus are consequentially extended: on one hand with respect to the measurement- and process-technologies; on the other hand with respect to the use of the provided chemical information in real-time-information systems.

**Selected company partners** (max. 10)

1. Brau Union Österreich AG (Linz)
2. DPx Fine Chemicals Austria GmbH & Co KG (Linz)
3. EXPUTECH GmbH (Vienna)
4. Keysight Technologies GmbH (Vienna)
5. Kraiburg Austria GmbH & Co KG (Geretsberg)
6. Lenzing Aktiengesellschaft (Lenzing)
7. Metadynea Austria GmbH (Krems)
8. OMV Refining & Marketing GmbH (Schwechat)
9. Sandoz GmbH (Kudl)
10. voestalpine Stahl GmbH (Linz)

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

1. RECENDT GmbH (Linz)
2. Vienna University of Technology (Vienna)
3. Johannes Kepler University Linz (Linz)
4. Kompetenzzentrum Holz GmbH (Linz)
5. Kompetenzzentrum Holz GmbH (Linz)

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

1. Kelheim Fibres GmbH (Germany / Kelheim)

**Planned start of the K-Project**

01.09.2014 (4 years)

**Planned number of personnel**

18 (FTE) are involved (16 FTE are scientists)

**Total costs**

EUR 6,7 Million

**Leader of consortium**: RECENDT GmbH, Dipl.-Ing. Robert Holzer (project management)

**Contact**: Altenberger Straße 69, A – 4040 Linz
+43 (732) 2468 – 4602
robert.holzer@recendt.at  www.recendt.at  www.k-pac.at

\(^1\) Partners with headquarters outside Austria