



# Lessons learnt in FP7 - the SCI-BUS story with ICPC partners

<http://www.sci-bus.eu>

Eva Feuer

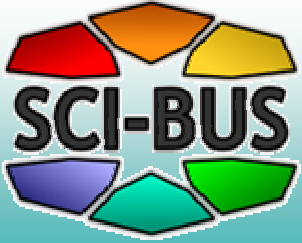
MTA SZTAKI

Start date: 2011-10-01

Duration: 36 months



e-infrastructure



# SCI-BUS: building e-Science gateways in Europe

- Co-ordinator: Hungarian Academy Sciences, Institute for Computer Science and Control

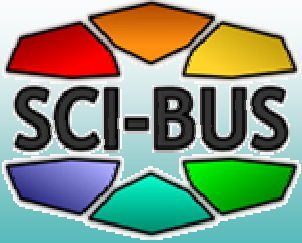
**The main fields of applied research and development of the institute:**

**Basic research - main domains**

- Computer Science
- Systems- and control theory
- Engineering and business intelligence
- Machine perception and human-computer interaction

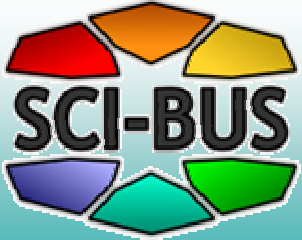
**R&D Activities**

- Vehicles and transportation systems
- Production informatics and logistics
- Energy and sustainable development
- Security and surveillance
- Networks, networking systems and services, distributed computing



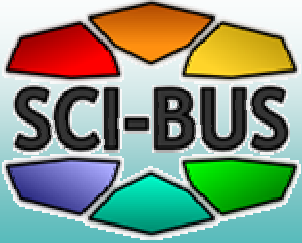
# SCI-BUS Partners:

- Academisch Medisch Centrum bij de Universiteit van Amsterdam (AMC) – NL
- SIMSOFT Bilgisayar Teknolojileri Limited Sirketi (SIMSOFT) – TR
- E-Group ICT Software Informatikai Zrt (EG) – HU
- Eidgenössische Technische Hochschule Zürich (ETH Zurich) – CH
- Middle East Technical University (METU) – TR
- Scaletools AG (ST) – CH subsidiary from Ukraine
- Eberhard Karls Universitaet Tübingen (EKUT) - DE



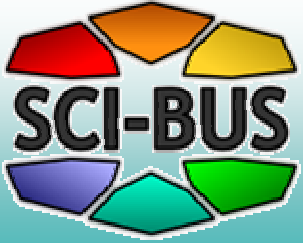
# SCI-BUS Partners:

- The University of Westminster (UoW) – UK
- Universidad se Zaragoza (UNIZAR) - ES
- Cloudbroker GmbH (CB) – CH
- 4D Soft Szamitastechnikai Kft (4D SOFT) – HU
- Istituto Nazionale di Astrofisica (INAF) – IT
- Laurea-ammattikorkeakoulu oy (Laurea) – FI
- The Provost, Fellows, Foundation Scholars & the other members of board of the College of the Holy & Undivided Trinity of Queen Elizabeth near Dublin (TCD) - IE



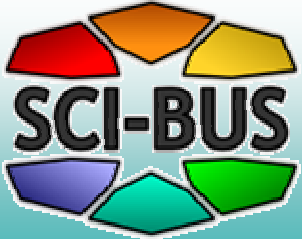
# SCI-BUS: New Partners:

- Universiteit Leiden Research and Innovation Services (LURIS) - Netherlands
- NVG Scientific Sendirian Berhad - Malaysia
- G.V. Kurdyumov Institute for Metal Physics (IMP) - Ukraine
- Ruder Boskovic Institute (RBI) - Croatia
- Universidad de Cantabria (UC), Departamento de Matemática Aplicada y Ciencias de la Computación - Spain
- Institute of Physics Belgrade (IPB) - Serbia



# Main objectives of SCI-BUS

- Create a **generic-purpose gateway technology**
- Elaborate an **application-specific gateway building technology** and customisation methodology
- Establish **production gateway services** both for NGIs (horizontal user communities) and various science communities (vertical user communities)
- Provide **seamless access** to major computing, data and networking DCIs and services including supercomputers, clusters, grids and clouds
- Create and maintain a Liferay **portlet repository** that enables the quick creation of user specific customised gateways
- Provide gateway development and application development **support**
- Develop **business models** to guarantee the sustainability of the gateway services and to enable the commercial exploitation



# SCIBUS usage

