

# High-Performance Computing Infrastructure for South East Europe's Research Communities

## Fact Sheet

### Project Information

HP-SEE

Grant agreement ID: 261499

Status  
Closed project

Start date  
1 September 2010

End date  
31 August 2013

Funded under  
FP7-INFRASTRUCTURES

Overall budget  
€ 3 900 463

EU contribution  
€ 2 100 000

Coordinated by  
**NATIONAL INFRASTRUCTURES  
FOR RESEARCH AND  
TECHNOLOGY**  
Greece

## Project description

### Virtual Research Communities

Core European eInfrastructure for large-scale eScience research consists of the backbone GÉANT network; distributed storage & computing infrastructure - European Grid Initiative (EGI); and the PRACE initiative providing tier-0 High Performance Computing (HPC) infrastructure. South-East European eInfrastructure initiatives aim for equal participation of the less-resourced countries of the region in the European trends. SEEREN initiative established a regional network and the SEE-GRID initiative the regional Grid, with majority of countries now equal partners in GÉANT and EGI. BSI project established the GÉANT link to the Caucasus, active until mid-2010. However, HPC involvement of the region is limited. Only few HPC

installations are available, not open to cross-border research; while the less-resourced countries have no mechanism established for interfacing to the pan-European HPC initiatives. HP-SEE focuses on a number of strategic actions. First, it will link the existing and upcoming HPC facilities in the region in a common infrastructure, and provide operational solutions for it. As a complementary action, the project will establish and maintain the GÉANT link for Caucasus. Second, it will open this HPC infrastructure to a wide range of new user communities, including those of less-resourced countries, fostering collaboration and providing advanced capabilities to researchers, with an emphasis on strategic groups in computational physics, chemistry and life sciences. Finally, it will ensure establishment of national HPC initiatives, and act as a SEE bridge for PRACE. In this context, HP-SEE will aim to attract the local political & financial support for long-term sustainable infrastructure. HP-SEE aspires to contribute to the stabilisation and development of South-East Europe, by overcoming fragmentation in Europe and stimulating infrastructure development and adoption by new virtual research communities, thus enabling collaborative high-quality research across a spectrum of scientific fields.

## Programme(s)

## Topic(s)

## Call for proposal

FP7-INFRASTRUCTURES-2010-2

## Funding Scheme

CPCSA - Combined Collaborative Project and Coordination and Support Action

## Coordinator



### NATIONAL INFRASTRUCTURES FOR RESEARCH AND TECHNOLOGY

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Activity type

**Private for-profit entities  
(excluding Higher or  
Secondary Education  
Establishments)**

EU contribution

**€ 649 418**

[Website](#)

[Contact the organisation](#)

Administrative Contact

**Ognjen Prnjat (Dr.)**

## Participants (15)

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### UNIVERSITETI POLITEKNIK I TIRANES

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EU contribution

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Activity type

**Higher or Secondary  
Education Establishments**

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### INSTITUTE FOR INFORMATICS AND AUTOMATION PROBLEMS OF THE NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF ARMENIA

Armenia

EU contribution

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Activity type

**Research Organisations**



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EU contribution

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## UNIVERZITET U BANJOJ LUCI

Bosnia and Herzegovina

EU contribution

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## UNIVERZITET U BANJOJ LUCI ELEKTROTEHNICKI FAKULTET

Bosnia and Herzegovina

EU contribution

€ 0

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**Higher or Secondary  
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## INSTITUTE FOR PARALLEL PROCESSING OF THE BULGARIAN ACADEMY OF SCIENCES

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EU contribution

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## INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGIES

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## **GEORGIAN RESEARCH AND EDUCATIONAL NETWORKING ASSOCIATION**

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## **NEMZETI INFORMACIOS INFRASTRUKTURA FEJLESZTESI IRODA**

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EU contribution

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Activity type

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## **RESEARCH AND EDUCATIONAL NETWORKING ASSOCIATION OF MOLDOVA**

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EU contribution

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## JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA

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EU contribution

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## Ss. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE

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EU contribution

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## "INSTITUTUL NATIONAL DE CERCETARE -DEZVOLTARE PENTRU FIZICA SI INGINERIE NUCLEARA ""HORIA HULUBEI"" (IFIN-HH)"

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EU contribution

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**INSTITUT 7A FIZIKI**



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## **TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU**

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