South-East European initiatives for regional eInfrastructure sustainability

www.see-grid-sci.eu

BELIEF-EELA sustainability workshop, EGEE08, Istanbul

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The SEE-GRID-SCI initiative is co-funded by the European Commission under the FP7 Research Infrastructures contract no. 211338

Vision: converged communication and service infrastructure for SEE

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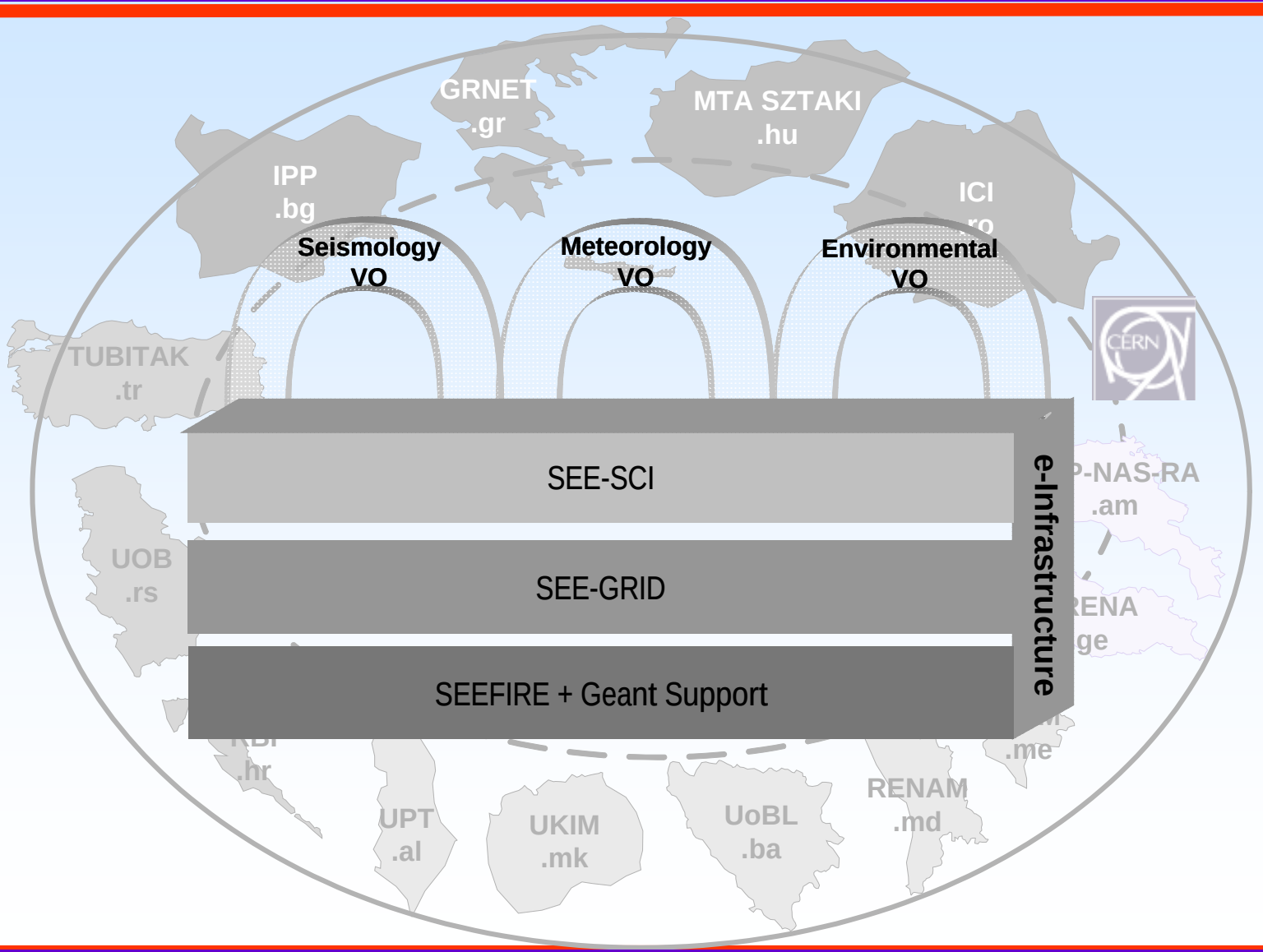
SEE-GRID eInfrastructure for regional eScience



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Path towards sustainability

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- **SEEREN1/2:** establishing the regional inter-NRN interconnectivity and GEANT links
- **SEEGRID1/2:** building the regional Grid infrastructure within and beyond EGEE
- **SEEFIRE:** studying the feasibility of long-term solutions for dark fiber backbone in the region
- **SEELIGHT:** implementation of the lambda facility in the region
- **BSI:** Caucasus region connections
- **SEE-GRID-SCI:** eInfrastructure for large-scale environmental science: meteorology, seismology, env. protection. Inclusion of Caucasus.
- **SEERA-EI:** regional programme managers collaboration towards common eInfrastructure vision and strategy

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Network Sustainability

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SEE-LIGHT: South-East European Lambda Network Facility for R&E

- Proposal for the deployment of an advanced regional network infrastructure (lambda network facility) for R&E, under the Hellenic Plan for the Economic Reconstruction of the Balkans (HiPERB).
- 4 countries committed, others in progress
- SEENet: a management body for SEELIGHT

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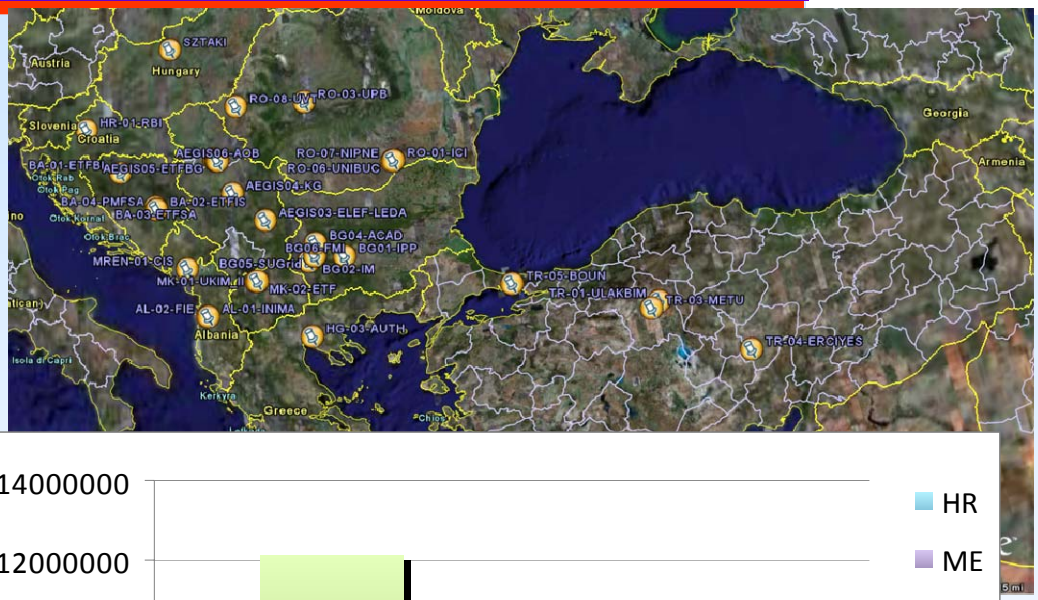
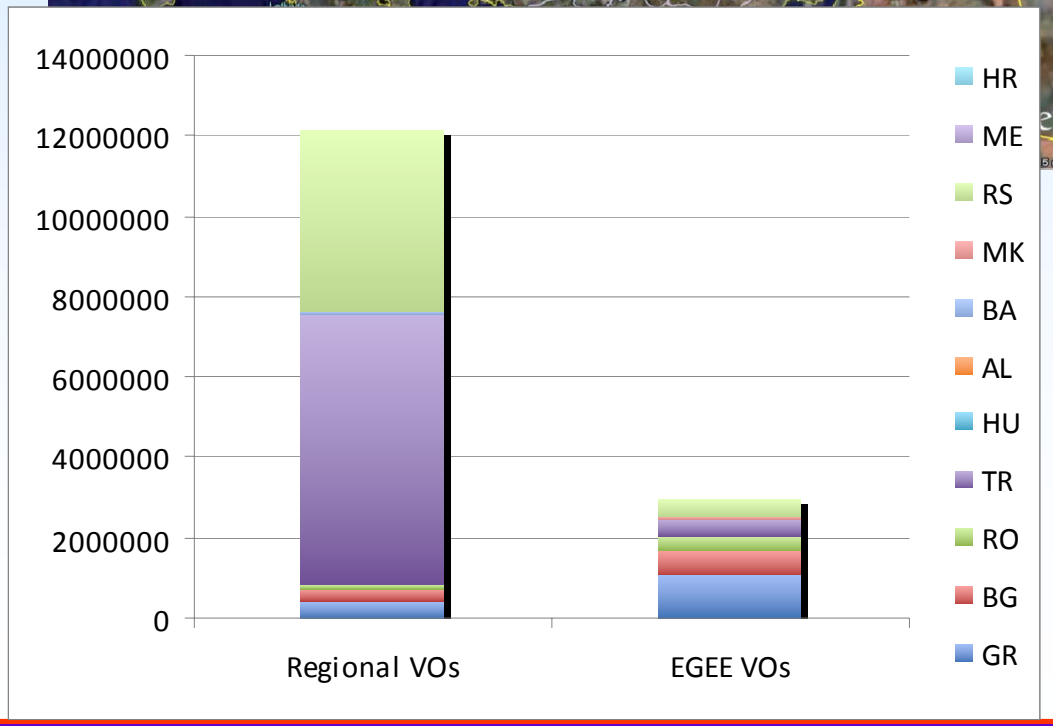
Grid Sustainability

- Large infrastructure built through 2 projects
- User community buy-in secured
- National structuring via NGIs
- Kick-off of national-level projects
- But regional dimension crucial in terms of joint operations and human network





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SEE-GRID-SCI: The project

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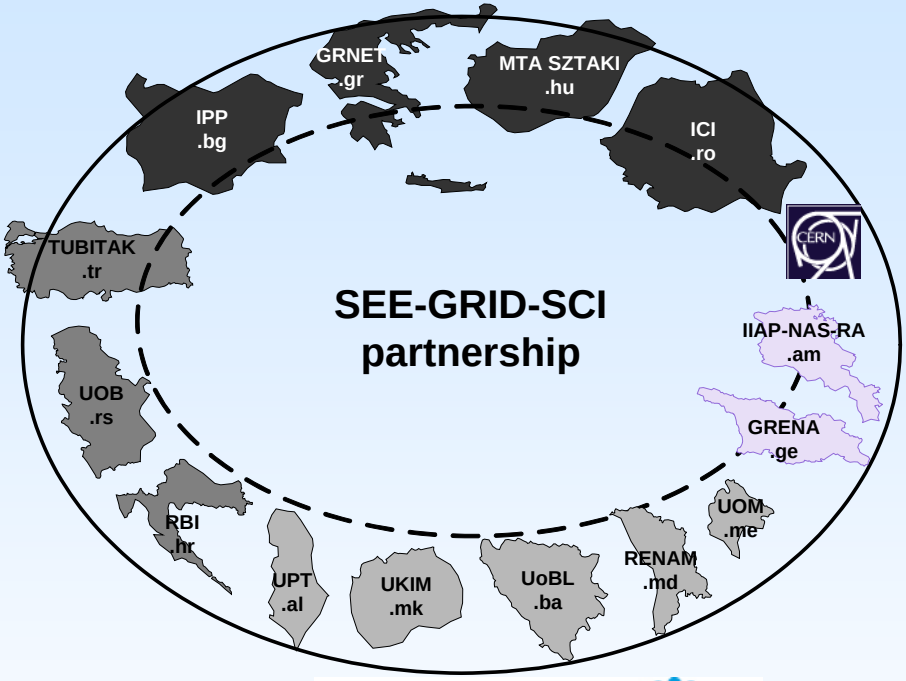
- **Contract n°:** RI-211338
- **Project type:** I3
- **Start date:** 01/05/2008
- **Duration:** 24 months
- **Total budget:**
- 3 214 690 €
- **Funding from the EC:**
- 2 500 000 €
- **Total funded effort, PMs:** 676.5
- **Web site:** www.see-grid-sci.eu



e-infrastructure

CAPACITIES

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SEE-GRID-SCI: Project objectives

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- Engaging international user communities (meteorology, seismology, environmental protection) and providing application-specific service extensions
- Providing infrastructure for new communities
- Consolidating actions towards long-term sustainability and European Grid Initiative inclusion
- Strengthening the regional and national human network

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SEE-GRID-SCI: Horizontal actions: NGIs

- Structuring NGIs in all countries in the region
  - Achieve stable and well-established organization and operations, as well as government recognition
  - Stimulate kick-off of national-level Grid projects
  - Secure membership of all non-EGEE countries in relevant European Grid bodies
- Provide active support for NGI establishment in other developing regions

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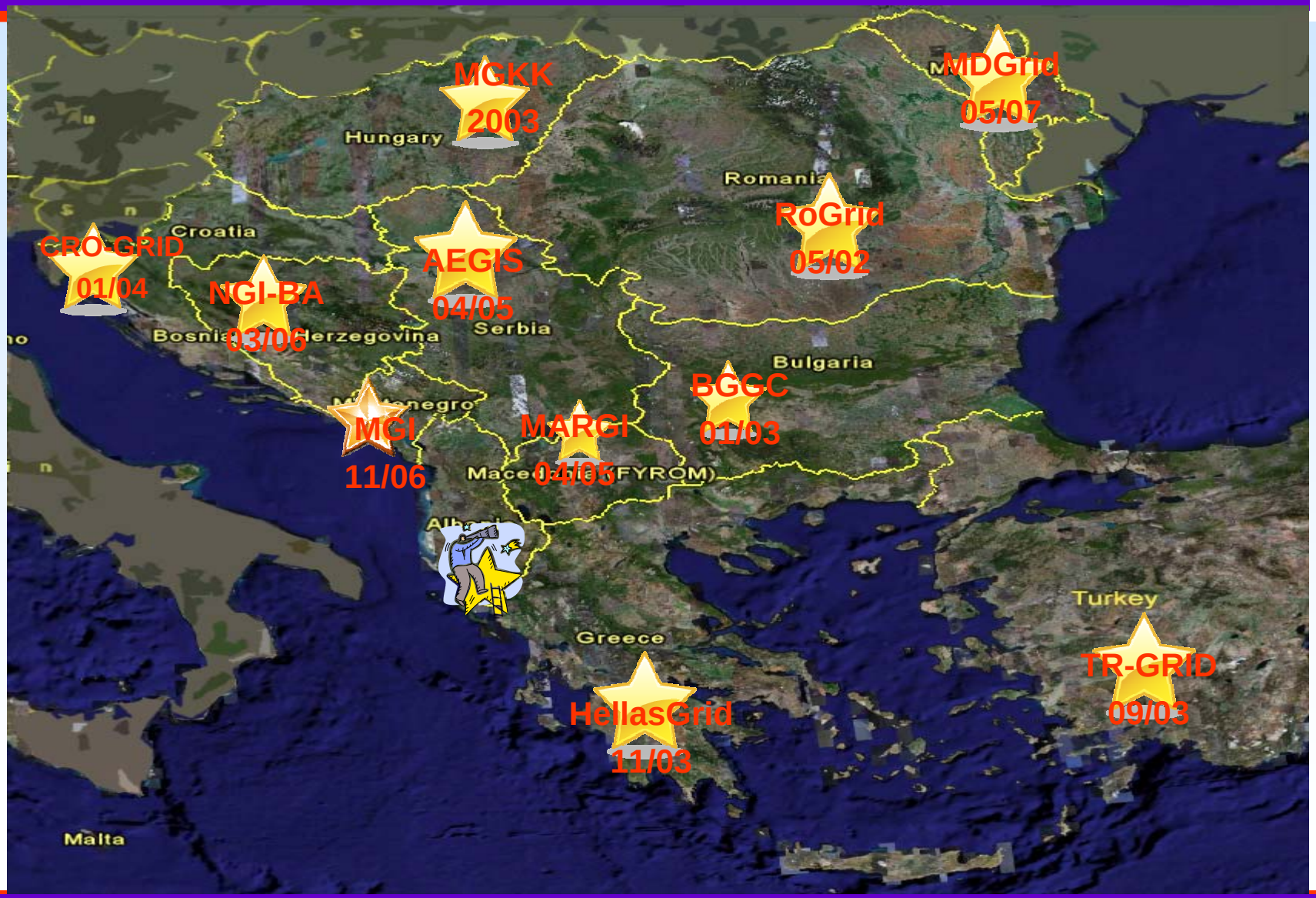
NGI status



Before SEE-GRID-2

During SEE-GRID-2

Planned for 2nd Year

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Political Sustainability: SEERA-EI

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- "INFRA-2008-3.1: ERA-NET supporting cooperation for research infrastructures in all S&T fields“
- Likely to start: 1 Jan 2009

- **Duration:** 36 months
- **Total budget:** 2 000 000 €
- **Funding from the EC:** 1 500 000 €
- **Total funded effort, PMs:** 451

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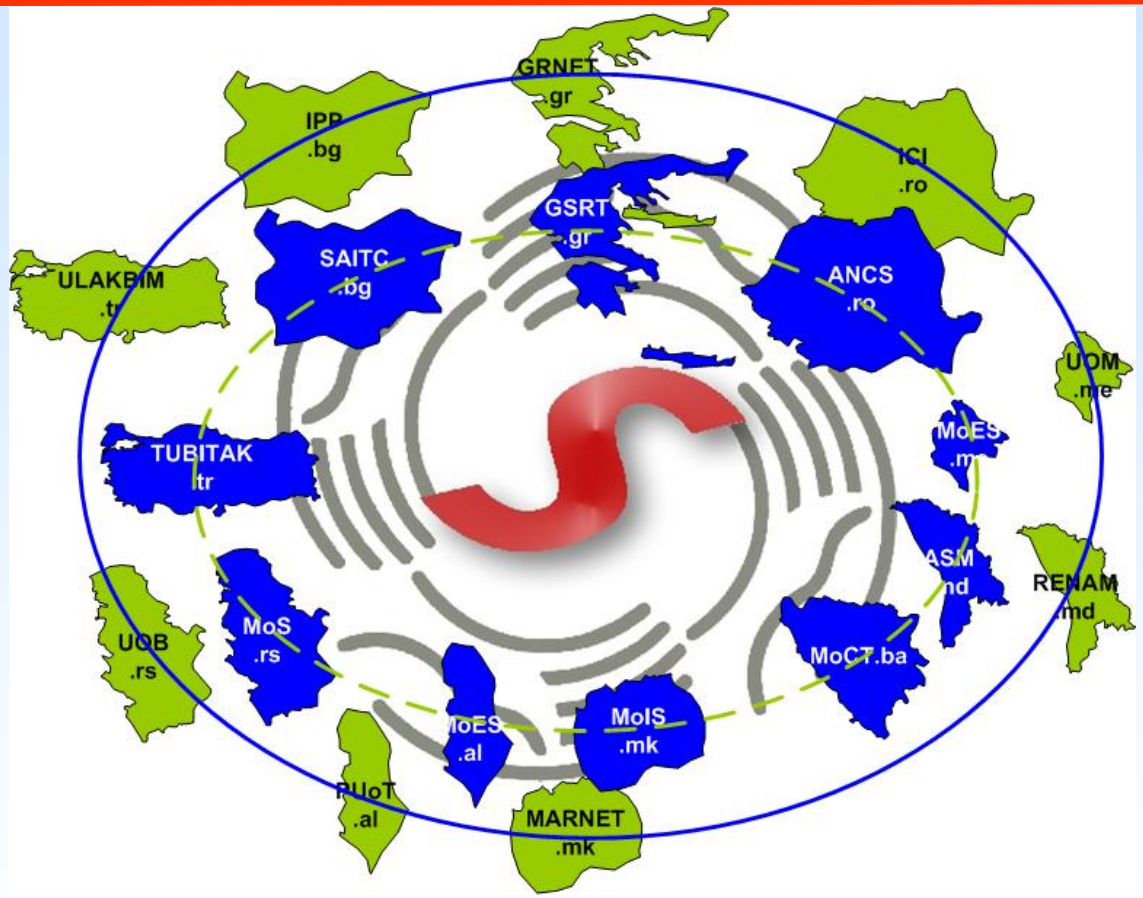
SEERA-EI: partnership



Ministry partners + eInfra partners as support

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SEERA-EI: objectives

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- Core Objective – Develop and strengthen the coordination and cooperation of national eInfrastructures programmes in the region of South-East Europe.

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SEERA-EI: objectives

- O1 - Enable common dialogue and exchange of information between national programme owners
- O2 – Analyse state of the art in national programmes
- O3 - Reduce fragmentation and improve coordination across SEE segment of ERA in field of RI, on the level of national programmes, and avoid creating niches of non-standardised programmes
- O4 - Facilitate efficient set-up and support for national eInfrastructure programmes, in coordination with common guidelines and regional vision
- O5 - Enable concrete cooperation of programme owners and common planning and development of join activities, both within project duration and beyond it in long term
- O6 - Formulate a common vision and strategy
- O7 – Establish a long-term platform for sustained dialogue between programme owners that will extend beyond project lifetime
- O8 – Enable information exchange with rest of ERA, carry out international collaboration activities, and contribute to EU policy on eInfrastructures

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Conslusions

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- South-East European initiatives managed to bring this unprivileged region to the level of Western European developments within a time span of 3 years
- An example of how a set of complementary and coordinated activities can achieve rapid development
- Setting the path towards sustainability
- National dimension is crucial: NRN, NGI
- Regional dimension as a driver and articulator

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