Support to policies and international cooperation for e-infrastructures

Proposals will address part (a) or (b), but not both:

(a) Research and Innovation Actions for **International Co-operation on high-end e-infrastructure requirements**

Together with other countries in the world, European Member States are leading partners in the construction of the forthcoming Square Kilometre Array (SKA) radio telescope. SKA will generate huge amounts of data and a significant part will be made available online. Efficient processing and computation of the large volume of data are significant challenges and global co-operation is essential. SKA has the potential to drive innovation in query and knowledge creation on large databases, high performance computing, and communications and networking technologies.

Proposals bringing together key international partners should address all of the following aspects:

- Define and test the high-speed networking e-infrastructure archi

Fostering targeted international co-operation is essential to promote e-infrastructure interoperation at global level allowing European communities to link with third countries, contribute to standardisation activities in international fora, to align strategic developments and share best practices. To optimise e-infrastructure investments in Europe it is essential to coordinate European, national and/or regional policies and programmes for e-infrastructures in order to develop complementarities and promote cooperation between e-infrastructures and related EU policies.
(a) Research and Innovation Actions for International Co-operation on high-end e-infrastructure requirements: The impact of successful proposals will lead to the improvement of co-operation on e-infrastructures with European partners that are joining efforts in major research infrastructure undertakings. It will help the identification of benefits of joint technology development, standardisation and sharing risks.

(b) Coordination and Support Actions for International Co-operation and Policy Development:

International Co-operation on e-infrastructure supporting major societal challenges: will exploit the potential for further economic and educational co-operation between Europe and third countries. It will also improve the identification of areas for further co-operation on scientific development and innovation. The actions will provide mechanisms to

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