

ANNOUNCEMENT

INTAS Calls 2004

INTAS, the International Association for the promotion of cooperation with scientists from the New Independent States of the former Soviet Union (NIS¹), promotes joint scientific activities between the INTAS Members² and the NIS in all exact and natural sciences, economics, human and social sciences.

INTAS Calls in 2004:

1. **INTAS Thematic Call for Proposals for Research Projects and Networks on Information Technology**
2. **INTAS Thematic Call for Proposals for Research Projects and Networks on Position Sensitive Detectors**
3. **INTAS Thematic Call for Proposals for Research Projects and Networks on Transforming Societies: East and West**
4. **INTAS Collaborative Call with Airbus³ for Proposals for Research Projects in the field of Aeronautics**
5. **INTAS Collaborative Call with Kazakhstan for Proposals for Research Projects on Management of Man-made Pollution**
6. **INTAS Collaborative Call with Uzbekistan for Proposals for Research Projects on Sustainable Development through the Use of Local Natural Resources and New Technologies**
7. **INTAS Call for Applications for INTAS Young Scientist Fellowships 2004**
8. **INTAS Call for Applications for INTAS Innovation Grants 2004**

Deadline for Calls 1. -8.: Friday, 03 September 2004, at 13.00 (Brussels local time)

For the INTAS 2004 Calls for Applications for Summer School Support, for Proposals for Infrastructure Actions and for Proposals for INTAS Strategic Scientific Workshops, with closing dates on 30 April and 31 October 2004, please consult the separate announcement for the INTAS Calls for Accompanying Measures 2003 - 2006.

¹ Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan.

² Austria, Belgium, Bulgaria, Republic of Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg, Malta*, The Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, the United Kingdom, Turkey, the European Community.*The INTAS membership of Malta is approved; funding will be made available upon completion of the accession procedure to join INTAS.

³ Airbus S.A.S., a *Société par Actions Simplifiée* incorporated under the laws of France, registered under the number 383 474 814 RCS Toulouse, with its Head Office at 1 Rond-Point Maurice Bellonte, 31707 Blagnac Cedex, France,

The conditions of each of the calls are provided in the specific call announcements on the INTAS website and in the INTAS information package/general rules for each of the activities; namely for calls for research project and network proposals, for applications for young scientist fellowships and for applications for innovation grants. Proposals or applications must meet all eligibility criteria specified in the call, must be in English and complete and arrive at INTAS before the deadline.

ATTENTION: WHEN SUBMITTING THE PROPOSAL PLEASE CAREFULLY VERIFY THAT YOU SUBMIT TO THE CORRECT CALL TO WHICH YOU WANT TO APPLY. THERE WILL BE NO TRANSFER FROM ONE CALL TO ANOTHER BY INTAS.

The selection of proposals will be carried out by INTAS (for collaborative calls in cooperation with the co-funding organisations) with the support of independent experts in a peer review evaluation, based on the evaluation criteria specified in the general rules outlined in the INTAS information package.

FUNDING BY INTAS IS SUBJECT TO THE AVAILABILITY OF APPROPRIATIONS BY THE EUROPEAN COMMUNITIES' FRAMEWORK PROGRAMME.

An information package for each of the actions can be obtained via:

Internet address: <http://www.intas.be>, Section "Funding Opportunities"
If you experience problems in downloading the information package please contact the
INTAS Secretariat at e-mail: infopack@intas.be

INTAS Thematic Call on Information Technology 2004

Indicative budget: € 1 million

Conditions for proposals for research projects and networks:

Scope: The proposal must contain research aims to develop and to propose new formal methodologies and paradigms to represent, manage and use knowledge and information within infrastructures where information is mobile and distributed over different media, computers and networks. From the socio-economic point of view the objectives of proposals shall be relevant for the societies in both the INTAS Members and the NIS, based on the mutual benefit.

It must target one or more of the following topics:

New foundations, methodologies and paradigms for information management

Within this topic proposals must refer to new, well founded, theoretical approaches to handle information, including the ability to deal with knowledge that may be incomplete, uncertain and changing, in environments that may be unstructured, evolutionary, adaptive or learning.

Audio, video and sensorial information handling

Within this topic proposals must refer to problems of acquisition, representation, reasoning, retrieval and discovery of knowledge, when knowledge takes the form of graphics, images, sounds, signals or coming from sensors.

The **Project Consortium** must comprise at least two teams from different NIS and two teams from two different INTAS Members, with a coordinator from one of the INTAS Members. The **Network Consortium** must comprise at least three teams from three different NIS and three teams from three different INTAS Members, with a coordinator from one of the INTAS Members. Proposals involving one or more teams from the following NIS countries are especially encouraged: Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

The **maximum allowable funding** per project or network is € 100,000 subject to the scientific content, the duration and the number of NIS teams involved. In projects no more than **25%**, in networks no more than **50%** of the total INTAS grant is available to teams from the INTAS Members.

The **project or network duration** is 18 or 24 months.

INTAS Thematic Call on Position Sensitive Detectors (PSD) 2004

Indicative budget: € 800,000

Conditions for proposals for research projects and networks:

Scope: The call aims at triggering new developments in the field of Position Sensitive Detectors (PSD). The research and development that are envisaged should have an important impact on the experimental accessibility towards addressing scientific questions in other disciplines than only physics, for instance astronomy, engineering, space science, chemistry, medicine, biology, archaeology.

It must target the following topic:

Proposals must concern **Position Sensitive Detectors** and clearly demonstrate that the project will be **innovative**, involving advanced or novel methodologies/technologies, and improving performances and/or the scope of applications. The proposal must describe a project which is **interdisciplinary** in its approach and/or its applications.

The **Project Consortium** must comprise at least two teams from different NIS and two teams from two different INTAS Members, with a coordinator from one of the INTAS Members. The **Network Consortium** must comprise at least three teams from three different NIS and three teams from three different INTAS Members, with a coordinator from one of the INTAS Members. Proposals involving one or more teams from the following NIS countries are especially encouraged: Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

The **maximum allowable funding** per project or network is € 100,000 subject to the scientific content, the duration and the number of NIS teams involved. In projects no more than **25%**, in networks no more than **50%** of the total INTAS grant is available to teams from the INTAS Members.

The **project or network duration** is 18 or 24 months.

INTAS Thematic Call on Transforming Societies: East and West 2004

Indicative budget: € 1.5 million

Conditions for proposals for research projects and networks:

Scope: The proposal must contain research on the economic, social, and political transformations in Europe and the NIS and address social, economic, and political issues of Europe-wide concern. Research should combine different disciplines so as to bring different perspectives of economic, social and human sciences to bear on the development of realistic policy options. Proposals must address topics relevant to the current policy concerns in Europe and the NIS but also have a sound theoretical basis. Purely theoretical research, which has no policy relevance and which is either hypothesis-generating or testing, or applied projects without scientific content will not be supported. Multi- and interdisciplinary proposals are especially encouraged.

It must target one or more of the following topics:

- Economic growth and transformation in transition countries, implications for European integration
- Emergence of new states in central, eastern and south-eastern Europe and related problems
- Migration and citizenship; identities in transformation, including culture and language
- Regional, including cross-border, cooperation on issues of security and sustainable development

The **Project Consortium** must comprise at least two teams from different NIS and two teams from two different INTAS Members, with a coordinator from one of the INTAS Members. The **Network Consortium** must comprise at least three teams from three different NIS and three teams from three different INTAS Members, with a coordinator from one of the INTAS Members. Proposals involving one or more teams from the following NIS countries are especially encouraged: Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

The **maximum allowable funding** per project or network is € 100,000 subject to the scientific content, the duration and the number of NIS teams involved. In projects no more than **25%**, in networks no more than **50%** of the total INTAS grant is available to teams from the INTAS Members.

The **project or network duration** is 18 or 24 months.

Airbus-INTAS Collaborative Call

Indicative budget: € 1 million

Conditions for proposals for research projects:

Scope: The project proposal must contain innovative experimental and/or theoretical **research in the field of aeronautics**, a subject related to Flight Performance, Material & Structures and for Manufacturing.

It must target one or more of the following topics:

Flight performance

- Flow control to suppress skin friction drag and to suppress separations at low/transonic speeds
- Dynamics of wake vortex systems
- Management (and prediction) of unsteady loads on aircraft components (nacelle, wing, tail, fuselage, landing gear)
- Adaptive flight control concepts for optimal performance and the management of human or atmospheric uncertainty
- Wind tunnel methodologies
- Loads, aerodynamics and aeroelastics simplified high lift systems of unconventional configurations
- Airframe noise reduction technology
- Engines, nacelles and power units technologies and impact of emission

Materials

- Development of replacements for hazardous materials e.g. Cd, Cr6+
- Nano-technologies - including nano-tubes and nano-coatings
- Novel material forms - composite and metallic
- Hybrid materials - fibre metal laminates

Structures

- Novel design, analysis and manufacturing techniques for integral structures and for composite structures
- Manufacturing process simulation techniques
- Virtual structural test technique development and modelling
- Structural health monitoring
- Novel design, analysis and manufacturing techniques for improved lifting surface performance

The **Consortium** must comprise at least two teams from different NIS organisations and two teams from two different INTAS Members, with a coordinator from one of the INTAS Members.

The **maximum allowable funding** per project is € 120,000 subject to the scientific content, the duration of the project and the number of NIS teams involved. No more than **25%** of the total project grant is available to teams from the INTAS Members.

The **project duration** is 12, 18 or 24 months.

Kazakhstan-INTAS Collaborative Call

Indicative budget: € 1.5 million

Conditions for proposals for research projects:

Scope: The project proposal must contain innovative experimental and/or theoretical **research in the field of management of man-made pollution in all scientific fields**. From the socio- economic point of view the objectives of proposals shall explore and contribute to the development of innovative and cost-effective technological approaches and policy instruments that could promote reduction and prevention of the industrial pollution, improvement of the ecological conditions of the country and amelioration of the public health situation.

It must target one or more of the following topics:

Engineering and Technology

Technological aspects of environmental management, including innovative approaches to recycling of industrial wastes as well as to preventing and reducing surface- and groundwater pollution.

Environment

Monitoring, remediation strategies and scenarios, and control of pollution in regions contaminated by industrial/radioactive/agricultural waste products, including contaminated foodstuffs. The development of environment-friendly measures, e.g. through biotechnological methods, cropping patterns and processing of crops, management of life-stock, waste water treatment, etc.

Life sciences

Assessment of the possible health consequences derived from environmental pollution through epidemiological, ontological and nutritional studies. Development of behavioural approaches and nutritional patterns to limit the intake of pollutants.

Socio-economic research

Address social and economic consequences of the environmental pollution, existing policies and practices of the use of natural resources and public perceptions of the environment; institutions and policy instruments that could be applied to promote the environmental quality in the contaminated regions and improvement in public health.

The **Consortium** must comprise at least two teams from different NIS, including at least one from Kazakhstan, and two teams from two different INTAS Members, with a coordinator from one of the INTAS Members.

The **maximum allowable funding** per project is € 150,000 subject to the scientific content, the duration of the project and the number of NIS teams involved.

The research team(s) from Kazakhstan shall play an important role in the consortium and must receive no less than **50%** but no more than 80 % of the funding earmarked for the NIS teams; no more than **25%** of the total project grant is available to teams from the INTAS Members.

The **project duration** is 24, 30 or 36 months.

Uzbekistan-INTAS Collaborative Call

Indicative budget: € 1 million

Conditions for proposals for research projects:

Scope: The project proposal must contain innovative experimental and/or theoretical research dealing with the **sustainable development through the use of local natural resources and new technologies**. The subject areas considered in this Collaborative Call include improving agricultural practices and plant amelioration, fighting local diseases through the development of drugs out of naturally occurring products and using available natural resources for developing new materials. Analogous problems and opportunities exist in the neighbouring countries and the potential for regional cooperation will be stimulated.

It must target one or more of the following topics:

Agriculture

- Improvement of draught resistance and salt resistance of plants and crops through biotechnological approaches
- Development and use of fertiliser produced from available substrates for improving the nutritional balance of soils
- Physiopathology of major industrial crops

Public Health

- Development of vaccines and drugs for treatment of local diseases
- Use of biological compounds derived from local plant and animal substrates

New Materials

- Development of insulation materials for housing and construction using available raw materials, e.g. basalt fibres
- Development of new steel alloys and steel technologies using mineral ores containing Molybdenum, Tungsten, etc.

The **Consortium** must comprise at least two teams from different NIS, including at least one from Uzbekistan, and two teams from two different INTAS Members, with a coordinator from one of the INTAS members.

The **maximum allowable funding** per project is € 150,000 subject to the scientific content, the duration of the project and the number of NIS teams involved.

The research team(s) from Uzbekistan shall play an important role in the consortium and must receive no less than 50 % but no more than 80 % of the funding earmarked for the NIS teams; no more than **25%** of the total project grant is available to teams from the INTAS Members.

The **project duration** is 24, 30 or 36 months.

Indicative Timetable for the INTAS Thematic Calls and the Collaborative Calls for Proposals for Research Projects and Networks 2004:

Announcement:	1 April 2004
Deadline for submission:	3 September 2004, at 13.00 (Brussels local time with INTAS)
Results of selection:	December 2004
Earliest start of the research project or network:	1 March 2005

INTAS Call for Applications for INTAS Young Scientist Fellowships 2004

INTAS provides **PhD fellowships and postdoctoral fellowships** to enable NIS scientists to carry out a research project at their NIS institution, with a European supervising partner, that must include two working and training visits at the European supervisor's institute. Fellowships can be carried out in all scientific fields. The budget made available by INTAS for young scientist fellowships in 2004 amounts to **€ 2.5 million**. Applications from young scientists from Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan and Uzbekistan are especially encouraged and INTAS has therefore earmarked a part of the budget for fellows from these countries.

PhD fellowship: NIS scientists eligible for the INTAS fellowship must be **35 years of age or less** at the submission deadline and must be a **citizen and permanent resident** of one of the **NIS countries**. The young scientist must already be registered as working towards a PhD at a NIS scientific institution (equivalent to studying for a candidate degree in the NIS) and will work for at least another two years towards the PhD degree. S/he must be recommended by a NIS supervisor and an INTAS supervisor who is prepared to host the fellow at his INTAS institute during his/her working visits. The duration of the fellowship must be **two years** and include two visits to an INTAS organisation to carry out research. The visits can be to the same INTAS organisation or to two different INTAS organisations. The total duration of the 2 visits abroad must be between 4 and 8 months for the 2-year fellowship, with a minimum duration of 1 month for a single visit. The maximum allowable funding for a PhD fellowship is **up to € 16,400 for the two years**. This will include a monthly individual grant of **€ 300** whilst in the NIS, travel costs and a monthly living allowance of up to **€ 1,200** whilst working in an INTAS Member state.

Postdoctoral fellowship: NIS scientists eligible for the INTAS fellowship must be **35 years of age or less** at the submission deadline and must be a **citizen and permanent resident** of one of the **NIS countries**. Fellows (i.e. those who hold a doctoral or candidate degree) working at a NIS scientific organisation may apply for a fellowship to continue their research according to a work programme of high scientific quality. The young scientist must hold a research position in the NIS institute and must have published at least three scientific publications. S/he must be recommended by a NIS supervisor and an INTAS supervisor who is prepared to host the fellow at his INTAS institute during his/her working visits. The duration of the fellowship must be **two years** including two visits to an INTAS organisation to carry out research. The visits can be to the same INTAS organisation or to two different INTAS organisations. The total duration of the 2 visits abroad must be between 4 and 8 months for the 2-year fellowship, with a minimum duration of 1 month for a single visit. The maximum allowable funding is **up to € 20,400 for the two years**. This will include a monthly individual grant of **€ 400** whilst in the NIS, travel costs and a monthly living allowance of up to **€ 1,500** whilst working in an INTAS Member state.

Applicants will only be granted one Young Scientist fellowship from INTAS; having received one they become ineligible to apply for further INTAS Young Scientist fellowships, irrespective of type.

Indicative Timetable for the INTAS Call for YS Fellowships 2003:

Announcement:	1 April 2004
Deadline for submission:	3 September 2004 at 13.00 (Brussels local time with INTAS)
Results of selection:	December 2004
Earliest start of the fellowships:	March 2005

INTAS Call for Applications for Innovation Grants 2004

INTAS support for innovations shall promote the further development and marketing of INTAS research results. It shall encourage researchers to enable the exploitation of their innovations and to bring them to the market in the INTAS Members and the NIS. Therefore, the most promising results leading to innovative products, technologies, services and strategies of a significant economic and/or social value will receive financial support in order to link the scientists with potential users. The budget made available by INTAS in 2004 for innovation grants amounts to **€ 500,000**.

INTAS innovation grant: Consortia, seeking to enable the exploitation of research results generated in INTAS research projects, networks or YS fellowships may apply for an innovation grant. The application must contain an innovation (new product, service, technology or strategy) that is appropriate for exploitation and appropriate activities leading to its use. The consortium must include at least one contractor from the NIS and one from an INTAS Member and include one of the main authors of the innovation. In the application the potential use of the proposed innovation and its users must be clearly identified. The maximum allowable funding per innovation grant is **€ 25,000**. Not more than **25%** of the total grant may be used for INTAS contractors. Allowable costs are partner search, marketing and legal protection including related professional support in these activities and travel. The duration of an INTAS innovation grant is 12, 18 or 24 months. Prolongations of INTAS research projects in order to complete research tasks are not eligible for an innovation grant. **In the INTAS Call for Applications for Innovation Grants 2004 results achieved within an INTAS research project, network or YS fellowship completed in the years 2002, 2003 or until the Call deadline in 2004 are eligible.** (Projects are regarded as completed if the final report has arrived at INTAS by the deadline for submission of applications.)

Indicative Timetable for the INTAS Call for Innovation Grants 2004:

Announcement:	1 April 2004
Deadline for Submission:	3 September 2004 at 13.00 (Brussels local time with INTAS)
Results of Selection:	December 2004
Earliest Start of the Innovation Grant:	March 2005