



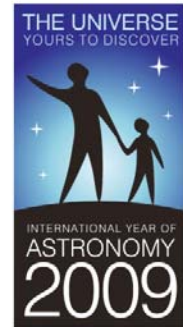
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Developing Astronomy Globally
Cornerstone Project
International Year of Astronomy 2009



Partners for the International Year of Astronomy 2009



Appendix: Application form:

Country	Pakistan
Number of Galileoscopes required	200
Brief summary of planned usage (more details on implementation below)	The Galileoscopes will be distributed amongst educational institutions and organizations such as planetaria, science museums, amateur astronomical and science societies all over Pakistan. It is expected that distribution of the Galileoscopes would go hand in hand with special astronomy nights, quiz competitions, lectures and festivals which would be held to give the Galileoscopes and help foster the spirit of astronomy and popular science.. Distribution Partners in this proposal are actively engaged in promoting astronomy in Pakistan and the distribution of free Galileoscopes shall catalyze the generation of interest at the grassroots and institutional level.
Name of SPOC	Mr. Ghulam Murtaza
Contact Details of SPOC (email, fax, phone)	Phone: +92 21 469 0765 / + 92 301336 8750 Fax: +92 21 469 4941 Email: gmurtaza65@hotmail.com
Delivery address for Galiloscopes	School of Science and Engineering, LUMS, Sector U, DHA, Lahore Cantt 54792, Pakistan
Would transport costs be provided?	No
If part of costs can be provided or an arrangement can be made, please explain.	It is possible. The Partners in this proposal expect to mobilize the necessary resources as successful awardees under this grant to provide part of the costs. Administrators of the Galileoscope donation program would be regularly apprised of progress towards this objective.
Comment on a possible bulk delivery plan to the region.	Pakistan and China share excellent trade relations and multiple avenues for bulk shipping are available. It is advised that Galileoscopes be air-freighted into Pakistan to minimize risks during haulage. It is also possible to book space aboard a container destined for Pakistan from China.

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<p>Estimate the cost of transport for your request (coming from China).</p>	<p>2000 US Dollars for carriage of approximately 300 Kilograms of weight dispatched from Shanghai to Pakistan via air (*preferred option)</p> <p>1800 US Dollars for carriage of approximately 300 Kilograms of weight dispatched from Shanghai to Pakistan as loose cargo via sea</p>		
<p>Other comments on Transport:</p>	<p>(1) The Government of the Punjab and China share strong trade and diplomatic relations with each other. It is possible that the Ambassador of China to Pakistan may permit the Galileoscopes arriving here through the diplomatic pouch used by the missions, or at the very least to facilitate the arrival by absorbing the cost of delivery, or help us avoid levies, if any. This request is pending with the Honourable Chief Minister of the Government of the Punjab.</p> <p>(2) In country transport costs would be borne by the Partners to this Proposal or met through local resource mobilization</p>		
<p>Major partners/organisations in your country who will receive Galileoscopes or assist with project implementation (in the case of large numbers of recipients such as schools, just a broad description of the usage and an estimate of the number of recipients would be enough)</p>	<p>Partners</p> <p>(1) PROMOTION PARTNERS</p> <p>(a) Government of the Punjab</p> <p>(b) National Museum of Science & Technology, Ministry of Education</p> <p>(c) Pakistan International Airlines Planetaria</p> <p>(2) DISTRIBUTION PARTNERS</p> <p>(a) Space and Upper Atmosphere Research Commission (SUPARCO)</p>	<p>Contact person</p> <p>(a) HE Mian Mohammad Shahbaz Sharif, Chief Minister through the Director General, Public Relations</p> <p>(b) Dr. Anwar Rashid, Director, NMST</p> <p>(c) Shehzad Malik Manager, PIA Planetarium</p> <p>(a) Mr. Ghulam Murtaza, IYA SPoC</p>	<p>Planned usage/role</p> <p>(a) Facilitation and public endorsement of Galileoscope distribution</p> <p>(b) Promotion of Galileoscope product and principles with on-site display</p> <p>(c) Promotion of Galileoscopes at PIA Planetaria in Lahore and Karachi</p> <p>Distribution of Galileoscopes amongst targeted beneficiaries in the province of Sindh, Punjab, NWFP,</p>

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	(b) Khwarizmi Science Society	(b) Dr. Saadat Anwar Siddiqi, President	FATA and Baluchistan and the Federal Capital of Islamabad on the basis of population ratio as notified by the Federal Bureau of Statistics
	(c) The Society of the Sun	(c) Hassaan Ghazali, Executive Director	

Overall implementation plan with dates and activities (please try to provide the reader with an overall idea of what will happen when; also, please include what the future usage will be beyond IYA2009 and what technical support/maintenance would be available)	IMPLEMENTATION PLAN
	<p>The Partners in this project share the vision of distributing Galileoscopes in as many districts of Pakistan as are possible. This objective shall be met by spreading the story and spirit of the Galileoscope in the educational, scientific and cultural circles of Pakistan. This will help in generating interest in astronomy and will help foster a spirit of global celebration of the International Year of Astronomy. It is hoped that an injection of free Galileoscopes would create give the impetus to place a substantial order at a later stage</p> <p>Workload shall be shared between Promotion and Distribution partners to get the widest possible outreach for the Galileoscopes without any repeat beneficiaries. The Distribution Partners already administer public astronomy programs in their own right and it is expected that the strengths of all partners combined shall allow for synergies in the implementation of the project</p> <p>For example, the Khwarizmi Science Society plans to spare some Galileoscopes for using at astronomical gatherings. Their astronomical gatherings have attracted thousands of participants (http://khwarizmi.shutterfly.com/) so people at these evenings would be provided with Galileoscopes to look through. KSS has started these Falakayati Melas (astrofests) early this year to commemorate IYA but after seeing an overwhelming response plans to continue these events in coming years. So Galileoscopes will benefit the Pakistani population for many years.</p> <p>Implementation monitoring and coordination shall be carried out by the IYA SPoC who shall maintain close liaison with other Distribution Partners. Distribution Partners shall carry out promotional activities to the extent that is reasonably possible and shall, from time to time, rely on, or may complement the activities of the promotional partners to achieve project objectives</p> <p>Galileoscopes received shall be shared amongst the Distribution Partners</p>

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	<p>in the following ratio for onward distribution</p> <p>(a) Space and Upper Atmosphere Research Commission: 40% (b) Khawrzimi Science Society: 30% (c) The Society of the Sun: 30%</p> <p>These shall be distributed amongst the following:</p> <ul style="list-style-type: none"> • Public and Private Sector Educational Institutions all over Pakistan • Associations of persons such as amateur astronomy groups, science clubs, etc • High profile endorsers such as public leaders, celebrities, scientists, science journalists <table border="1"> <thead> <tr> <th>Date</th> <th>Activity</th> </tr> </thead> <tbody> <tr> <td rowspan="3">July – August, 2009</td> <td>Submission of proposal and presumed successful award notification</td> </tr> <tr> <td>Finalized arrangements for transportation</td> </tr> <tr> <td>Execution of Implementation Agreement</td> </tr> <tr> <td rowspan="2">August – September, 2009</td> <td>Estimated Delivery of Galileoscopes</td> </tr> <tr> <td>Galileoscope promotion kick-off with joint press conference of Partners and initiation of campaign in print and electronic media</td> </tr> <tr> <td rowspan="3">September – December, 2009</td> <td>Display of Galileoscope at highly visible sites such as the National Museum of Science & Technology, Lahore Museum, Central office of the Khwarzimi Science Society, Mohatta Palace, the PIA Planetarium in Lahore and Karachi.</td> </tr> <tr> <td>Promotion and distribution of Galileoscopes at the Falakayati Melas (astrofests), Starpeace events, through the Galileo Teacher Training Program and other public events</td> </tr> <tr> <td>Holding of special public lectures, competitions, quizzes and other modes of public engagement to distribute Galileoscopes amongst public and private Schools all over Pakistan</td> </tr> <tr> <td>January – April, 2010</td> <td>Evaluation of Galileoscope donation project through survey responses of beneficiaries</td> </tr> </tbody> </table>	Date	Activity	July – August, 2009	Submission of proposal and presumed successful award notification	Finalized arrangements for transportation	Execution of Implementation Agreement	August – September, 2009	Estimated Delivery of Galileoscopes	Galileoscope promotion kick-off with joint press conference of Partners and initiation of campaign in print and electronic media	September – December, 2009	Display of Galileoscope at highly visible sites such as the National Museum of Science & Technology, Lahore Museum, Central office of the Khwarzimi Science Society, Mohatta Palace, the PIA Planetarium in Lahore and Karachi.	Promotion and distribution of Galileoscopes at the Falakayati Melas (astrofests), Starpeace events, through the Galileo Teacher Training Program and other public events	Holding of special public lectures, competitions, quizzes and other modes of public engagement to distribute Galileoscopes amongst public and private Schools all over Pakistan	January – April, 2010	Evaluation of Galileoscope donation project through survey responses of beneficiaries
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<p>Expected deliverables that can be used to measure the success of the project (at the end of the day what would you need to see to consider the project a success)</p>	<ul style="list-style-type: none"> • Number of people who attend the astrofests, star parties. • Number of schools and colleges who become a part of the outreach campaign. • Number of specialized astronomy departments in universities and research organizations who collaborate with the applicants and use the telescopes. • Number of collaborating science societies and amateur clubs. • Press coverage in the national media. (television, newspaper and magazine) 															

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	<ul style="list-style-type: none"> • Sponsorship by local businesses and multi-national brands seeking to play a role in community service and social responsibility. • Publication of brochures and newspaper reports on astronomy • Increased requests for the Galileoscope from members of the public and private sector • Increased access to the theory and practice of astronomy in educational institutions and special groups all over Pakistan • Improved awareness of the principles behind the Galileoscopes and other telescopes. • Greater media attention towards astronomy and international efforts carried out throughout the IYA • Wider appreciation for astronomical instruments amongst the public
Extra motivation (optional)	It is submitted that Pakistan is facing serious political, military and socio-economic problems. The efforts of the Distribution Partners have resulted in a novel way for Pakistanis to appreciate the Universe in such difficult circumstances. The Galileoscopes would catalyze our efforts and help propel awareness and interest in astronomy.
Country survey completed?	Yes
References	<ul style="list-style-type: none"> • Mike Simmons, Chairperson 100 Hours of Astronomy; msimm@ucla.edu • Rosa Doran, Chair, Galileo Teacher Training Program; rosa.doran@gmail.com • Dr. Abdullah Sadiq, Dean of Air University, Islamabad; asadiqr@gmail.com • Dr. N.M Butt, Ex-Chairman Pakistan Science Foundation; currently Scientist Emeritus PINSTECH; nmbutt36@yahoo.com • Dr. Pervez Hoodbhoy, Chairman of Physics, Quaid-e-Azam University, Islamabad; hoodbhoy@lns.mit.edu • Dr. Mujahid Kamran, Vice Chancellor University of the Punjab, Lahore; kamran_m51@yahoo.com

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