



**IGCP Scientific Board  
Scientific Review of NEW Project Proposals**

**SHORT TITLE OF PROJECT:** Crustal Architecture and Images

<b>Project Leader(s)</b> (and their Countries)	The proposal lists 15 members of the Working Group, and it is not clear who, apart from proposer Bruce Goleby, Australia, and Project Business Manager D.M. Finlayson, Australia, will be Project Leaders.
<b>Proposed Duration of Project</b>	5 years
<b>IGCP Funding Requested</b>	15.000 \$USD
<b>Proposed External Funds</b>	\$USD
<b>Project Theme Category</b> (select only one category)	<input type="checkbox"/> Geoscience and Water <input type="checkbox"/> Geohazards <input type="checkbox"/> Earth Resources <input type="checkbox"/> Global Change and the Evolution of Life <input checked="" type="checkbox"/> Deep Earth <input type="checkbox"/> Other topic
<b>EVALUATION SCORE LEGEND TO BE USED AS APPROPRIATE BELOW:</b>	1 = Poor - Strongly Disagree 2 = Low - Disagree 3 = Average - Neutral 4 = High - Agree 5 = Excellent - Strongly Agree
<b>Scientific Achievements:</b> The project will clearly generate new and/or exciting scientific achievements, results, scientific ideas, and/or data.	Comments: The project seeks to understand the influence of crustal architecture and tectonic processes on landscapes, surface geology and natural hazards, mainly based on seismic imaging techniques. It is extremely broad in that it seeks to understand major geological processes in the outer 50-70 km of the Earth.
Evaluation Score:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5
<b>Project Objectives:</b> The scientific objectives are aligned with IGCP, UNESCO and IUGS, and they provide a basis for future research?	Comments: The scientific objectives are extremely broad and are therefore aligned with IGCP, UNESCO and IUGS. This is a successor project to IGCP 474.
Evaluation Score:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5

<p><b>Project Participation:</b> The proposal identifies the number, the geographic distribution and types of scientific disciplines that will contribute meeting IGCP standards. (e.g. participation of developing countries)</p>	<p>Comments: Most Working Group members come from developed countries such as Australia, USA, Canada, Spain, Netherlands, Russia, Japan, New Zealand, Finland, and only one definite member from China is listed.</p>
<p>Evaluation Score:</p>	<p><input type="checkbox"/> 1   <input type="checkbox"/> 2   <input type="checkbox"/> 3   x <input type="checkbox"/> 4   <input type="checkbox"/> 5</p>
<p><b>Project Meetings:</b> The proposal identifies future meetings, workshops, conferences, short courses and other capacity building.</p>	<p>Comments: The project will organize and sponsor deep seismic profiling meetings at IUGG 2008 (Norway) and 2011 (Australia) and at IGC 2012 (Australia). Seismic imaging specialist technical meetings will also be arranged. These meetings appear to focus on seismic imaging and are not really multidisciplinary.</p>
<p>Evaluation Score:</p>	<p><input type="checkbox"/> 1   <input type="checkbox"/> 2   <input type="checkbox"/> 3   <input type="checkbox"/> 4   x <input type="checkbox"/> 5</p>
<p><b>Project Collaboration:</b> The proposal identifies plans for collaboration with other IGCP projects.</p>	<p>Comments: This is a successor project to IGCP 474, but no collaboration with other IGCP Projects.</p>
<p>Evaluation Score:</p>	<p><input type="checkbox"/> 1   <input type="checkbox"/> 2   x <input type="checkbox"/> 3   <input type="checkbox"/> 4   <input type="checkbox"/> 5</p>
<p><b>Project Work Plan:</b> The work plan and schedule for the next year is appropriate and feasible.</p>	<p>Comments: The work plan is excellent and the development of a web site is the main target of the project. The symposia appear to be too narrow in focus (only seismic profiling and imaging) and are not truly multidisciplinary.</p>
<p>Evaluation Score:</p>	<p><input type="checkbox"/> 1   <input type="checkbox"/> 2   <input type="checkbox"/> 3   x <input type="checkbox"/> 4   <input type="checkbox"/> 5</p>
<p><b>Project Communication:</b> The proposal identifies plans for future scientific publications (e.g. peer-reviewed journals), informal publications (e.g. abstracts, guidebooks, textbooks) and others (e.g. internet access to data bases, TV programs, exhibits, public briefings for decision makers)).</p>	<p>Comments: Project communication will be at a very high level with this group. The communication is by meeting of the working group at geophysical conferences. Publication will presumably be in conference volumes and internet, journals.</p>
<p>Evaluation Score:</p>	<p><input type="checkbox"/> 1   <input type="checkbox"/> 2   <input type="checkbox"/> 3   <input type="checkbox"/> 4   x <input type="checkbox"/> 5</p>
<p><b>Project Website:</b> The proposal provides a clear plan for the project website including ongoing maintenance of the site?</p>	<p>Comments: Development of a website is the main purpose of the project, and the proposal provides a clear and convincing plan for the website and its management.</p>
<p>Evaluation Score:</p>	<p><input type="checkbox"/> 1   <input type="checkbox"/> 2   <input type="checkbox"/> 3   <input type="checkbox"/> 4   x <input type="checkbox"/> 5</p>

<b>IGCP Funding:</b> The requested funding is appropriate and adequately justified.	Comments: The money requested is quite high relative to other IGCP projects. Website development is part of the research activities and should be funded from external sources.
Evaluation Score:	<input type="checkbox"/> 1 <input type="checkbox"/> 2   x <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
<b>External Funds:</b> The extent of external funding is appropriate and sufficient?	Comments: No information is provided on external funding. It is noted that Geoscience Australia will host and maintain the website.
Evaluation Score:	<input type="checkbox"/> 1 <input type="checkbox"/> 2   x <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
<b>Societal Relevance:</b> The benefits to society are clear, well-founded and justified.	Comments: The proposed database will provide an excellent point from which to launch many possible projects of society benefit. For example, in the mining industry, in geological risk, or in land use assessment.
Evaluation Score:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3   x <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5

**RECOMMENDATIONS ON THE BASIS OF THE ABOVE ASSESSMENT:**

**Overall Score:**    1    2    3   x  4    5

**Project should be (select only one):**

- x  Accepted and Financially Supported
- Provisionally be accepted for one year without funding
- Revised and resubmitted next year based on comments (see below)
- Rejected and not supported

**Comments/Conditions:** This is an excellent proposal, and the working Group is scientifically highly distinguished, the project has extremely broad aims. However, some suggestions are given by reviewers:

There is no plan to show how these data are to be integrated into tectonic models;

There is almost no participation of scientists from developing countries;

It is not made specifically clear what the advances for science will be by having these database.\_\_\_\_\_

**Name of Proposal Reviewer:** Theme group 5 Deep Earth\_\_\_\_\_

**Date:** 12 Feb. 2008\_\_\_\_\_