Appendix D

ACKNOWLEDGMENTS

TIMSS was truly a collaborative effort among hundreds of individuals around the world. Staff from the national research centers, the international management, advisors, and funding agencies worked closely to design and implement the most ambitious study of international comparative achievement ever undertaken. TIMSS would not have been possible without the tireless efforts of all involved. Below, the individuals and organizations are acknowledged for their contributions. Given that implementing TIMSS has spanned more than seven years and involved so many people and organizations, this list may not pay heed to all who contributed throughout the life of the project. Any omission is inadvertent. TIMSS also acknowledges the students, teachers, and school principals who contributed their time and effort to the study. This report would not be possible without them.

MANAGEMENT AND OPERATIONS

Since 1993, TIMSS has been directed by the International Study Center at Boston College in the United States. Prior to this, the study was coordinated by the International Coordinating Center at the University of British Columbia in Canada. Although the study was directed centrally by the International Study Center and its staff members implemented various parts of TIMSS, important activities also were carried out in centers around the world. The data were processed centrally by the IEA Data Processing Center in Hamburg, Germany. Statistics Canada was responsible for collecting and evaluating the sampling documentation from each country and for calculating the sampling weights. The Australian Council for Educational Research conducted the scaling of the achievement data.

INTERNATIONAL STUDY CENTER (1993-)

Albert E. Beaton, International Study Director
Michael O. Martin, Deputy International Study Director
Ina V.S. Mullis, Co-Deputy International Study Director
Eugenio J. Gonzalez, Director of Operations and Data Analysis
Dana L. Kelly, Research Associate
Teresa A. Smith, Research Associate
Maryellen Harmon, Performance Assessment Coordinator
Robert Jin, Computer Programmer
Ce Shen, Computer Programmer
William J. Crowley, Fiscal Administrator
Thomas M. Hoffmann, Art Director
Jonathan R. English, Systems Manager
José Rafael Nieto, Senior Production Specialist
Ann G.A. Tan, Conference Coordinator
Mary C. Howard, Office Supervisor
Cheryl L. Flaherty, Secretary
INTERNATIONAL STUDY CENTER (CONTINUED)

Diane Joyce, Secretary
Kathleen A. Haley, Graduate Assistant
Craig D. Hoyle, Graduate Assistant

INTERNATIONAL COORDINATING CENTER (1991-93)

David F. Robitaille, International Coordinator
Robert A. Garden, Deputy International Coordinator
Barry Anderson, Director of Operations
Beverley Maxwell, Director of Data Management

STATISTICS CANADA

Pierre Foy, Senior Methodologist
Suzelle Giroux, Senior Methodologist
Jean Dumais, Senior Methodologist
Nancy Darcovich, Senior Methodologist
Marc Joncas, Senior Methodologist
Laurie Reedman, Junior Methodologist
Claudio Perez, Junior Methodologist

IEA DATA PROCESSING CENTER

Michael Bruneforth, Senior Researcher
Jedidiah Harris, Research Assistant
Dirk Hastedt, Senior Researcher
Heiko Jungclaus, Senior Researcher
Svenja Moeller, Research Assistant
Knut Schwippert, Senior Researcher
Jockel Wolff, Research Assistant

AUSTRALIAN COUNCIL FOR EDUCATIONAL RESEARCH

Raymond J. Adams, Principal Research Fellow
Margaret Wu, Research Fellow
Nikolai Volodin, Research Fellow
David Roberts, Research Officer
Greg Macaskill, Research Officer
FUNDING AGENCIES

Funding for the International Study Center was provided by the National Center for Education Statistics of the U.S. Department of Education, the U.S. National Science Foundation, and the International Association for the Evaluation for Educational Achievement. Eugene Owen and Lois Peak of the National Center for Education Statistics and Larry Suter of the National Science Foundation each played a crucial role in making TIMSS possible and for ensuring the quality of the study. Funding for the International Coordinating Center was provided by the Applied Research Branch of the Strategic Policy Group of the Canadian Ministry of Human Resources Development. This initial source of funding was vital to initiate the TIMSS project. Tjeerd Plomp, Chair of the IEA and of the TIMSS Steering Committee, has been a constant source of support throughout TIMSS. It should be noted that each country provided its own funding for the implementation of the study at the national level.

NATIONAL RESEARCH COORDINATORS

The TIMSS National Research Coordinators and their staff had the enormous task of implementing the TIMSS design in their countries. This required obtaining funding for the project; participating in the development of the instruments and procedures; conducting field tests; participating in and conducting training sessions; translating the instruments and procedural manuals into the local language; selecting the sample of schools and students; working with the schools to arrange for the testing; arranging for data collection, coding, and data entry; preparing the data files for submission to the IEA Data Processing Center; contributing to the development of the international reports; and preparing national reports. The way in which the national centers operated and the resources that were available varied considerably across the TIMSS countries. In some countries, the tasks were conducted centrally, while in others, various components were subcontracted to other organizations. In some countries, resources were more than adequate, while in others, the national centers were operating with limited resources. Of course, across the life of the project, some NRCs have changed. This list attempts to include all past NRCs who served for a significant period of time as well as all the present NRCs. All of the TIMSS National Research Coordinators and their staff members are to be commended for their professionalism and their dedication in conducting all aspects of TIMSS.

Argentina
Carlos Mansilla
Universidad del Chaco
Av. Italia 350
3500 Resistencia
Chaco, Argentina

Australia
Jan Lokan
Raymond Adams *
Australian Council for Educational Research
19 Prospect Hill
Private Bag 55
Camberwell, Victoria 3124
Australia

* Past National Research Coordinator.
Austria
Guenter Haider
Austrian IEA Research Centre
Universität Salzburg
Akademiestraße 26/2
A-5020 Salzburg, Austria

Belgium (Flemish)
Christiane Brusselmans-Dehairs
Rijksuniversiteit Ghent
Vakgroep Onderwijskunde &
The Ministry of Education
Henri Dunantlaan 2
B-9000 Ghent, Belgium

Belgium (French)
Georges Henry
Christian Monseur
Université de Liège
B32 Sart-Tilman
4000 Liège 1, Belgium

Bulgaria
Kiril Bankov
Foundation for Research, Communication,
Education and Informatics
Tzarigradsko Shausse 125, Bl. 5
1113 Sofia, Bulgaria

Canada
Alan Taylor
Applied Research & Evaluation Services
University of British Columbia
2125 Main Mall
Vancouver, B.C. V6T 1Z4
Canada

Colombia
Carlos Jairo Diaz
Universidad del Valle
Facultad de Ciencias
Multitaller de Materiales Didacticos
Ciudad Universitaria Meléndez
Apartado Aereo 25360
Cali, Colombia

Cyprus
Constantinos Papanastasiou
Department of Education
University of Cyprus
Kallipoleos 75
P.O. Box 537
Nicosia 133, Cyprus

Czech Republic
Jana Strakova
Vladislav Tomasek
Institute for Information on Education
Senovazne Nam. 26
111 21 Praha 1, Czech Republic

Denmark
Peter Weng
Peter Allerup
Borge Prien*
The Danish National Institute for
Educational Research
28 Hermodsgade
Dk-2200 Copenhagen N, Denmark

England
Wendy Keys
Derek Foxman*
National Foundation for
Educational Research
The Mere, Upton Park
Slough, Berkshire SL1 2DQ
England

France
Anne Servant
Ministère de l’Education
Nationale 142, rue du Bac
75007 Paris, France
Josette Le Coq*
Centre International d’Etudes
Pédagogiques (CIEP)
1 Avenue Léon Journault
93211 Sèvres, France

Germany
Rainer Lehmann
Humboldt-Universitaet zu Berlin
Institut Fuer Allgemeine
Erziehungswissenschaft
Geschwister-Scholl-Str. 6
10099 Berlin, Germany
Juergen Baumert
Max-Planck Institute for Human
Development and Education
Lentzeallee 94
14191 Berlin, Germany
Manfred Lehrke
Universität Kiel
IPN Olshausen Str. 62
24098 Kiel, Germany
Greece
Georgia Kontogiannopoulou-Polydorides
Department of Education (Nipiagogon)
University of Athens
Navarinou 13A, Neochimio
Athens 10680, Greece

Joseph Solomon
Department of Education
University of Patras
Patras 26500, Greece

Hong Kong
Frederick Leung
Nancy Law
The University of Hong Kong
Department of Curriculum Studies
Pokfulam Road, Hong Kong

Hungary
Péter Vári
National Institute of Public Education
Centre for Evaluation Studies
Dorottya U. 8, P.O. Box 120
1051 Budapest, Hungary

Iceland
Einar Gudmundsson
Institute for Educational Research
Department of Educational Testing and Measurement
Surdgata 39
101 Reykjavik, Iceland

Indonesia
Jahja Umar
Ministry of Education and Culture
Examination Development Center
Jalan Gunung Sahari - 4
Jakarta 10000, Indonesia

Ireland
Deirdre Stuart
Michael Martin*
Educational Research Centre
St. Patrick’s College
Drumcondra
Dublin 9, Ireland

Israel
Pinchas Tamir
The Hebrew University
Israel Science Teaching Center
Jerusalem 91904, Israel

Ruth Zuzovsky
Tel Aviv university
School of Education
Ramat Aviv
PO Box 39040
Tel Aviv 69978, Israel

Italy
Anna Maria Caputo
Ministero della Pubblica Istruzione
Centro Europeo dell’Educazione
Villa Falconieri
00044 Frascati, Italy

Japan
Masao Miyake
Eizo Nagasaki
National Institute for Educational Research
6-5-22 Shimomeguro
Meguro-Ku, Tokyo 153, Japan

Korea
Jingyu Kim
Hyung Im*
National Board of Educational Evaluation
Evaluation Research Division
Chungdam-2 Dong 15-1, Kangnam-Ku
Seoul 135-102, Korea

Kuwait
Mansour Hussein
Ministry of Education
P. O. Box 7
Safat 13001, Kuwait

Latvia
Andrejs Geske
University of Latvia
Faculty of Education & Psychology
Jurmalas Gavte 74/76, Rm. 204a
Riga, Lv-1083, Latvia

Lithuania
Algirdas Zabulionis
University of Vilnius
Faculty of Mathematics
Naugarduko 24
2006 Vilnius, Lithuania
Mexico
Fernando Córdova Calderón
Director de Evaluación de Políticas y Sistemas Educativos
Netzahualcóyotl #127 2ndo Piso
Colonia Centro
Mexico 1, D.F., Mexico

Netherlands
Wilmad Kuiper
Anja Knuver
Klaas Bos
University of Twente
Faculty of Educational Science and Technology
Department of Curriculum
P.O. Box 217
7500 AE Enschede, Netherlands

New Zealand
Megan Chamberlain
Hans Wagemaker
Steve May
Ministry of Education
Research and International Section
P.O. Box 1666
45-47 Pipitea Street
Wellington, New Zealand

Norway
Svein Lie
University of Oslo
SLS Postboks 1099
Blindern 0316
Oslo 3, Norway
Gard Brekke
Alf Andersensv 13
3670 Notodden, Norway

Portugal
Gertrudes Amaro
Ministerio da Educação
Instituto de Inovação Educacional
Rua Artilhares Um 105
1070 Lisboa, Portugal

Romania
Gabriela Noveanu
Institute for Educational Sciences
Evaluation and Forecasting Division
Str. Stirbei Voda 37
70732-Bucharest, Romania

Russian Federation
Galina Kovalyova
The Russian Academy of Education
Institute of General Secondary School
Ul. Pogodinskaya 8
Moscow 119905, Russian Federation

Scotland
Brian Semple
Scottish Office, Education & Industry Department
Victoria Quay
Edinburgh, E86 6QQ
Scotland

Singapore
Chan Siew Eng
Research and Evaluation Branch
Block A Belvedere Building
Ministry of Education
Kay Siang Road
Singapore 248922

Slovak Republic
Maria Berova
Vladimir Burjan*
SPU-National Institute for Education
Pluhova 8
P.O. Box 26
830 00 Bratislava
Slovak Republic

Slovenia
Marjan Setinc
Pedagoski Institut Pri Univerzi v Ljubljana
Gerbiceva 62, P.O. Box 76
61111 Ljubljana, Slovenia

Philippines
Milagros Ibe
University of the Philippines
Institute for Science and Mathematics Education Development
Diliman, Quezon City
Philippines
Ester Ogena
Science Education Institute
Department of Science and Technology
Bicutan, Taqigu
Metro Manila 1604, Philippines

Slovenia
Marjan Setinc
Pedagoski Institut Pri Univerzi v Ljubljana
Gerbiceva 62, P.O. Box 76
61111 Ljubljana, Slovenia
The International Study Center was supported in its work by several advisory committees. The International Steering Committee provided guidance to the International Study Director on policy issues and general direction of the study. The TIMSS Technical Advisory Committee provided guidance on issues related to design, sampling, instrument construction, analysis, and reporting, ensuring that the TIMSS methodologies and procedures were technically sound. The Subject Matter Advisory Committee ensured that current thinking in mathematics and science education were addressed by TIMSS, and was instrumental in the development of the TIMSS tests. The Free-Response Item Coding Committee developed the coding rubrics for the free-response items. The Performance Assessment Committee worked with the Performance Assessment Coordinator to develop the TIMSS performance assessment. The Quality Assurance Committee helped to develop the quality assurance program.

**INTERNATIONAL STEERING COMMITTEE**

Tjeerd Plomp (Chair), the Netherlands  
Lars Ingelstam, Sweden  
Daniel Levine, United States  
Senta Raizen, United States  
David Robitaille, Canada  
Toshio Sawada, Japan  
Benny Suprapto Brotosiswojo, Indonesia  
William Schmidt, United States
TECHNICAL ADVISORY COMMITTEE

Raymond Adams, Australia
Pierre Foy, Canada
Andreas Schleicher, Germany
William Schmidt, United States
Trevor Williams, United States

SAMPLING REFEREE

Keith Rust, United States

SUBJECT AREA COORDINATORS

Robert Garden, New Zealand (Mathematics)
Graham Orpwood, Canada (Science)

SPECIAL MATHEMATICS CONSULTANT

Chancey Jones

SUBJECT MATTER ADVISORY COMMITTEE

Svein Lie (Chair), Norway
Antoine Bodin, France
Peter Fensham, Australia
Robert Garden, New Zealand
Geoffrey Howson, England
Curtis McKnight, United States
Graham Orpwood, Canada
Senta Raizen, United States
David Robitaille, Canada
Pinchas Tamir, Israel
Alan Taylor, Canada
Ken Travers, United States
Theo Wubbels, the Netherlands
**Free-Response Item Coding Committee**

Svein Lie (Chair), Norway  
Vladimir Burjan, Slovak Republic  
Kjell Gisselberg, Sweden  
Galina Kovalyova, Russian Federation  
Nancy Law, Hong Kong  
Josette Le Coq, France  
Jan Lokan, Australia  
Curtis McKnight, United States  
Graham Orpwood, Canada  
Senta Raizen, United States  
Alan Taylor, Canada  
Peter Weng, Denmark  
Algirdas Zabulionis, Lithuania

**Performance Assessment Committee**

Derek Foxman, England  
Robert Garden, New Zealand  
Per Morten Kind, Norway  
Svein Lie, Norway  
Jan Lokan, Australia  
Graham Orpwood, Canada

**Quality Control Committee**

Jules Goodison, United States  
Hans Pelgrum, The Netherlands  
Ken Ross, Australia

**Editorial Committee**

David F. Robitaille (Chair), Canada  
Albert Beaton, International Study Director  
Paul Black, England  
Svein Lie, Norway  
Rev. Ben Nebres, Philippines  
Judith Torney-Purta, United States  
Ken Travers, United States  
Theo Wubbels, the Netherlands
Art Direction, Layout, and Cover design by Thomas Hoffmann

Table production by José R. Nieto