# Appendix F

# **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

William J. Crowley, Fiscal Administrator

Thomas M. Hoffmann, Art Director

Debora Galanti, Art Director (former)

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 Leanne Teixeira, Secretary (former) Kelvin D. Gregory, Graduate Assistant 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

APPENDIX F

# **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

<sup>\*</sup> 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 Universite 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 Kontongiannopoulou-Polydorides Joseph Solomon University of Athens Department of Education Ippokratous Str. 35 106 80 Athens, Greece

# **Hong Kong**

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

# Hungary

Péter Vari 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

### Iran, Islamic Republic

Ali Reza Kiamanesh Ministry of Education Center for Educational Research Iranshahr Shomali Avenue Teheran 15875, Iran

#### **Israel**

Pinchas Tamir The Hebrew University Israel Science Teaching Center Jerusalem 91904, 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 Gatve 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 Politicas y Sistemas Educativos Netzahualcoyotl #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**

Hans Wagemaker Steve May Ministry of Education Research Section 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

# **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, Taquig Metro Manila 1604, Philippines

#### **Portugal**

Gertrudes Amaro Ministerio da Educacao Instituto de Inovação Educacional Rua Artilharia 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

# **South Africa**

Derek Gray Human Sciences Research Council 134 Pretorius Street Private Bag X41 Pretoria 0001, South Africa

### Spain

José Antonio Lopez Varona Instituto Nacional de Calidad y Evaluación C/San Fernando del Jarama No. 14 28071 Madrid, Spain

# Sweden

Ingemar Wedman Anna Hofslagare Kjell Gisselberg\* Umeå University Department of Educational Measurement S-901 87 Umeå, Sweden

#### **Switzerland**

Erich Ramseier Amt Für Bildungsforschung der Erziehungsdirektion des Kantons Bern Sulgeneck Straße 70 Ch-3005 Bern, Switzerland

#### **Thailand**

Suwaporn Semheng Institute for the Promotion of Teaching Science and Technology 924 Sukhumvit Road Bangkok 10110, Thailand

#### **United States**

William Schmidt Michigan State University Department of Educational Psychology 463 Erikson Hall East Lansing, MI 48824-1034 United States

# TIMSS ADVISORY COMMITTEES

The International Study Center was supported in its work by several advisory committees. 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 APPENDIX F

# 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

Cover Design by Thomas Hoffmann