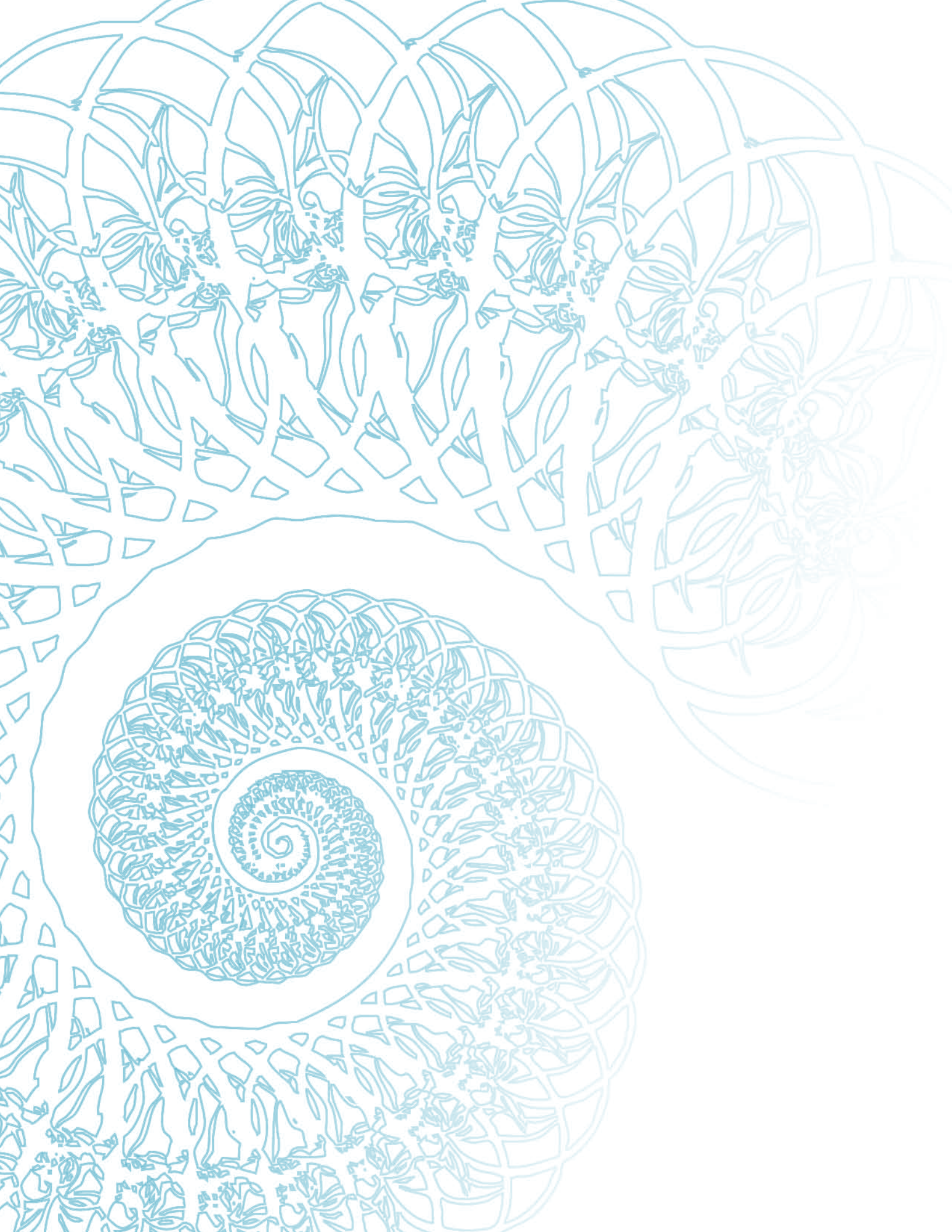


Acknowledgements

Appendix **A**





Appendix A

Acknowledgements

TIMSS is a major undertaking of IEA, and together with PIRLS (Progress in International Reading Literacy Study), comprises the core of IEA's regular cycle of studies. IEA has delegated responsibility for the overall direction and management of these two projects to the TIMSS & PIRLS International Study at Boston College. Headed by Michael O. Martin and Ina V.S. Mullis, the study center is located in the Lynch School of Education. In carrying out these two ambitious international studies, the TIMSS & PIRLS International Study Center works closely with the IEA Secretariat in Amsterdam, the IEA Data Processing and Research Center in Hamburg, Statistics Canada in Ottawa, and Educational Testing Service in Princeton, New Jersey. Especially important is close coordination with the National Research Coordinators designated by the participating countries to be responsible for the complex tasks involved in implementing the studies in their countries. In summary, it takes extreme dedication on the part of many individuals around the world to make TIMSS a success and the work of these individuals across all of the various activities involved is greatly appreciated.

With each new assessment cycle of a study, one of the most important tasks is to update the assessment frameworks. Updating the TIMSS assessment frameworks for 2011 began in September of 2008, and has involved extensive input and reviews by individuals at the TIMSS & PIRLS International Study Center, the IEA, the TIMSS 2011 National Research Coordinators, and the two TIMSS expert committees—the TIMSS 2011 Science and Mathematics Item Review Committee and the TIMSS 2011 Questionnaire Item

Review Committee. Of all the individuals around the world that it takes to make TIMSS a success, the intention here is to specifically acknowledge some of those persons who had particular responsibility and involvement in developing and producing the *TIMSS 2011 Assessment Frameworks*.

TIMSS 2011 Framework Development at the TIMSS & PIRLS International Study Center at Boston College

Ina V.S. Mullis, Executive Director, TIMSS & PIRLS

Michael O. Martin, Executive Director, TIMSS & PIRLS

Ebru Erberber, TIMSS Research Associate

Corinna Preuschoff, TIMSS Research Associate

Gabrielle Stanco, TIMSS Research Associate

Ryan Auster, TIMSS Graduate Assistant

Jiefang Hu, TIMSS Graduate Assistant

Karen Lam, TIMSS Graduate Assistant

TIMSS 2011 Development Coordinators and Consultants

The TIMSS Mathematics and Science Coordinators and Consultants worked with the TIMSS & PIRLS International Study Center in developing the TIMSS 2011 mathematics and science assessment frameworks objectives and preparing the respective chapters.

Graham J. Ruddock, Mathematics Coordinator
National Foundation for Educational Research, England

Christine Y. O'Sullivan, Science Coordinator
K-12 Consulting, Inc., United States

Berinderjeet Kaur, Mathematics Consultant
National Institute of Education, Singapore

Helen Lye, Science Consultant
Australian Council for Educational Research

TIMSS 2011 Framework Development at the International Association for the Evaluation of Educational Achievement (IEA)

The IEA provides overall support in coordinating TIMSS. The Secretariat, located in Amsterdam, has particular responsibility for membership, translation verification, and hiring the quality control monitors. The Data Processing and Research Center, located in Hamburg, is responsible for the accuracy and consistency of the TIMSS database within and across countries. The following persons participated in the reviews of the *TIMSS 2011 Assessment Frameworks*.

Hans Wagemaker, Executive Director, IEA

Barbara Malak, Director, IEA Membership Relations

Oliver Neuschmidt

Juliane Hencke, Co-Managers, TIMSS & PIRLS Data Processing

TIMSS 2011 Science and Mathematics Item Review Committee

The Science and Mathematics Item Review Committee (SMIRC) worked with staff from the International Study Center in developing all aspects of the frameworks and particularly the *TIMSS 2011 Mathematics Framework* and the *TIMSS 2011 Science Framework*. They made recommendations for the content and cognitive domains, as well as the topic areas and objectives.

Mathematics

Kiril Bankov
University of Sofia
Bulgaria

Christoph Selter
TU Dortmund Mathematics
Department
Germany

Karen Manriquez
Ministry of Education
Chile

Robert Garden
New Zealand

Fou-Lai Lin
National Taiwan Normal
University
Chinese Taipei

Liv Sissel Grønmo
University of Oslo, ILS
Norway

Khattab Mohammad Ahmad
Abulibdeh
National Center for Human
Resources Development
Jordan

Mary Lindquist
United States

Hung-Hsi Wu
University of California, Berkeley
United States

Science

Martina Kekule
Charles University in Prague
Czech Republic

Gabriela Noveanu
Institute for Educational Sciences
Romania

Jouni Viiri
University of Jyväskylä
Finland

Galina Kovaleva
Russian Academy of Education
Russian Federation

Saulė Vingelienė
Educational Development Centre
Lithuania

Maria Pilar Jimenez Aleixandre
Universidade de Santiago de
Compostela
Spain

Berenice Michels
National Institute for Curriculum
Development
The Netherlands

Wolfgang Dietrich
National Agency for Education
Sweden

Mariam Mohammad Ahmed
Evaluation Institute
Qatar

Gerry Wheeler
United States

TIMSS 2011 Questionnaire Item Review Committee

The TIMSS 2011 Questionnaire Item Review Committee (QIRC) is comprised of TIMSS 2011 National Research Coordinators who have special responsibility for participating in the development of the contextual framework and background questionnaires for TIMSS 2011.

Sue Thomson
Australian Council for
Educational Research
[Australia](#)

Josef Basl
Institute for Information on
Education
[Czech Republic](#)

Naima Hassan
National Center of Examinations
and Educational Evaluation
[Egypt](#)

Linda Sturman
National Foundation for
Educational Research
[England](#)

Wilfried Bos
University of Dortmund
[Germany](#)

Clara Rosaline Anumel
Ghana Education Service
[Ghana](#)

Frederick Leung
University of Hong Kong
[Hong Kong SAR](#)

Martina Meelissen
University of Twente
[The Netherlands](#)

Barbara Japelj Pavesic
Educational Research Institute
[Slovenia](#)

Patrick Gonzales
National Center for Education
Statistics
[United States](#)

TIMSS 2011 National Research Coordinators

The TIMSS 2011 National Research Coordinators (NRCs) work with the TIMSS project staff in various areas to ensure that the study is responsive to their concerns, both policy-oriented and practical, and are responsible for implementing the study in their countries. The TIMSS 2011 NRCs participated in a series of reviews of the *TIMSS 2011 Assessment Frameworks*.

Algeria

Samia Mezaib
Sous-directrice de l'Evaluation
Ministere de l'Education
Nationale

Armenia

Arsen Baghdasaryan
Yerevan State University

Australia

Sue Thomson
Australian Council for
Educational Research

Austria

Birgit Suchan
Bundesinstitut fuer
Bildungsforschung, Innovation
und Entwicklung des
Oesterreichischen Schulwesens
(BIFIE)

Azerbaijan

Ulviya Mikailova
Ministry of Education

Bahrain

Huda Al-Awadi
Counsellor for Research &
Studies-Minister Office
Ministry of Education

Bosnia and Herzegovina

Zaneta Dzumhur
Agency for Preschool, Primary
and Secondary Education

Botswana

Monamodi Kesamang
Botswana Examinations Council

Bulgaria

Marina Vasileva Mavrodieva
Center for Control and
Assessment of the Quality in
Education

Chile

Johanna Gubler Santander
Ministerio de Educacion

Chinese Taipei

Chen-yung Lin
National Taiwan Normal
University

Czech Republic

Vladislav Tomasek
Institute for Information on
Education

Denmark

Peter Allerup
The Danish University of
Education

Egypt

Naguib Khouzam
National Center of Examinations
and Educational Evaluation

England

Linda Sturman
National Foundation for
Educational Research

Finland

Pekka Kupari
Finnish Institute for Educational
Research
University of Jyväskylä

Georgia

Dito Patariaia
Mamuka Jibladze
National Examinations Center

Germany

Wilfried Bos
Center for School Development
Research
University of Dortmund

Ghana

Clara Rosaline Anumel
Inspectorate Division
Ghana Education Service

Honduras

Renan Rapalo Casteilanos
Secretaria de Educacion-
UPNFM

Hong Kong SAR

Frederick Leung
Faculty of Education
The University of Hong Kong

Hungary

Ildiko Szepesi
Educational Authority
Department of Assessment and
Evaluation

Indonesia

Burhanuddin Tola
Institute of Educational Research
and Development
Ministry of National Education

Iran, Islamic Republic of

Abdol'azim Karimi
Ministry of Education
Institute for Educational Research

Israel

Inbal Ron-Kaplan
National Authority for
Measurement and Evaluation in
Education (RAMA)
Ministry of Education

Italy

Elisa Caponera
Istituto Nazionale per la
Valutazione del Sistema
Educativo di Istruzione e di
Formazione (INVALSI)

Japan

Keiichi Nishimura
Yasushi Ogura
National Institute for Educational
Policy Research (NIER)

Jordan

Khattab Mohammad Ahmad
Abulibdeh
National Center for Human
Resources Development

Kazakhstan

Bazar Damitov
The National Centre for
Assessment of the Quality of
Education

Korea, Republic of

Kyunghee Kim
Korea Institute of Curriculum &
Evaluation

Kuwait

Marzoug Al-Ghounaim
Ministry of Education

Latvia

Andrejs Geske
Institute for Educational Research
University of Latvia

Lebanon

Leila Maliha Fayad
Educational Center for Research
& Development
Ministry of Education

Libya

Suleiman Mahmoud Khoja
Ministry for Higher Education

Lithuania

Aiste Elijo
National Examinations Center
Ministry of Education

Malaysia

Amir bin Salleh
Educational Planning & Research
Division
Ministry of Education

Malta

Raymond Camilleri
Ministry of Education

Mauritius

Kaviraj Sharma Sukon
Mauritius College of the Air

Mongolia

Regsuren Bat-Erdene
Ministry of Education

Morocco

Mohammed Sassi
Departement de l'Éducation
Nationale
Centre Nationale de l'Évaluation
et des Examens

The Netherlands

Martina Meelissen
Marjolein Drent
University of Twente

New Zealand

Robyn Caygill
Ministry of Education
Comparative Education Research
Unit

Norway

Liv Sissel Grønmo
University of Oslo, ILS

Oman

Zuwaina Saleh Al-maskari
Ministry of Education

Palestinian National Authority

Mohammed O. Matar Mustafa
Ministry of Education and Higher
Education, Assessment and
Evaluation Center

Poland

Krzysztof Konarzewski
Polish Academy of Sciences

Qatar

Abdulsattar Mohammed Nagi
Student Assessment Office

Romania

Gabriela Noveanu
Institute for Educational Sciences

Russian Federation

Galina Kovaleva
Russian Academy of Education

Saudi Arabia

Saleh Alshumrani
Ministry of Education

Scotland

Linda Sturman
National Foundation for
Educational Research

Serbia

Slobodanka Gasic Pavisic
Institute for Educational Research

Singapore

Pik Yen Lim
Ministry of Education

Slovak Republic

Paulina Korsnakova
NUCEM-National Institute
for Certified Educational
Measurements

Slovenia

Barbara Japelj Pavesic
Educational Research Institute

South Africa

Vijay Reddy
Human Sciences Research
Council (HSRC)

Spain

Jesus Dominguez Castillo
Ministerio de Educacion
Instituto de Evaluation

Sweden

Eva Lundgren
Skolverket

Syrian Arab Republic

Omar Abou Awn
Ministry of Education

Thailand

Precharn Dechsri
The Institute for the Promotion of
Teaching Science and Technology

Tunisia

Nejib Ayed
Centre National d'Innovation
Pedagogique et de Recherche en
Education

Turkey

Halil Rahman Acar
Educational Research &
Development Directorate
Ministry of National Education

Ukraine

Nataliia Prokopenko
Ministry of Education and
Science of Ukraine

United Arab Emirates

Nada Abu Baker Husain Ruban
Ministry of Education

United States

Patrick Gonzales
National Center for Education
Statistics

Yemen

Tawfiq Ahmad Al-Mekhlafy
Ministry of Education
Educational Research &
Development Centre

Benchmarking Participants

Alberta, Canada

Ping Yang
Alberta Education
Learner Assessment Branch

British Columbia, Canada

Britta Gundersen-Bryden
Ministry of Education

Dubai, UAE

Zulaikha Mohamed
Knowledge & Human
Development Authority
Government of Dubai

Ontario, Canada

Michael Kozlow
Education Quality and
Accountability Office

Quebec, Canada

Robert Marcotte
Direction de la sanction des
etudes

