

WORKSHOP *fib* MODEL CODE 2020

Realization:



ASSOCIAÇÃO
BRASILEIRA DE
ENGENHARIA E
CONSULTORIA
ESTRUTURAL



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Prof. Technical University of Madrid, Spain

FHECOR ■ Ingenieros Consultores



STUCCHI

Brasil

DONIAK

Brasil

TOSCAS
USA

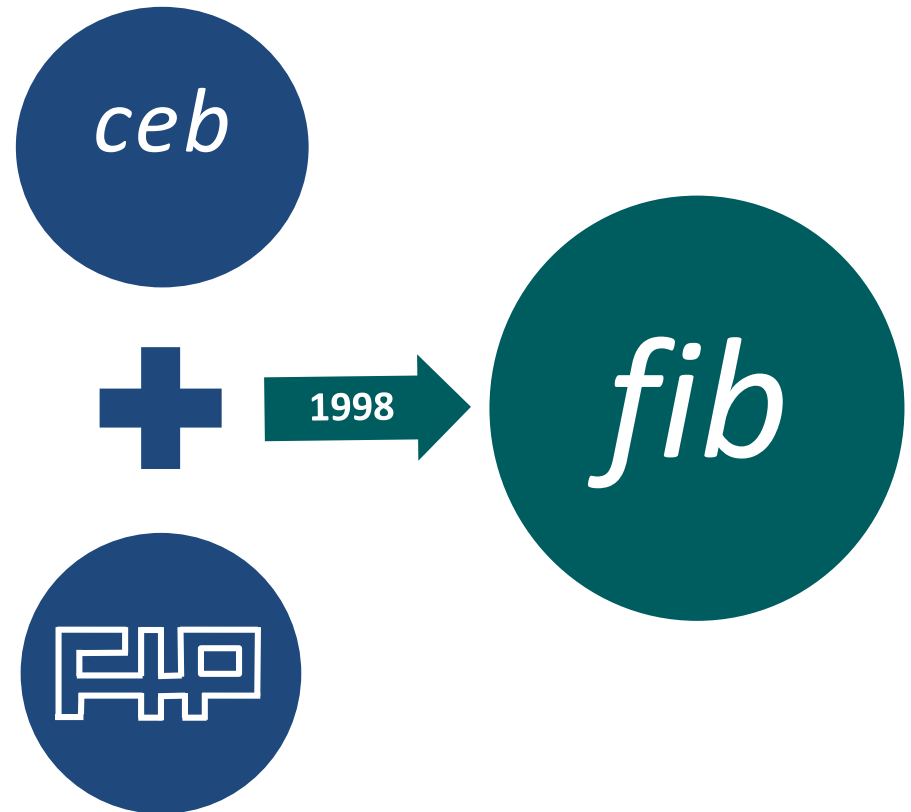
CREATION OF *fib*

**Euro-International
Committee for Concrete**
Comité euro-internationale du béton

1953

**International Federation
of Pre-stressing**
Fédération internationale
de la précontrainte

1952



BRASIL

**Euro-International
Committee for Concrete**
Comité euro-internationale du béton

1953

**International Federation
of Pre-stressing**
Fédération internationale
de la précontrainte

1952




1998



MISSION AND OBJECTIVES OF THE *fib*

“To develop at an international level the study of scientific and practical matters capable of advancing the technical, economic, aesthetic and environmental performance of concrete construction.” *Statutes of the fib*



Stimulation of research and synthesis of findings

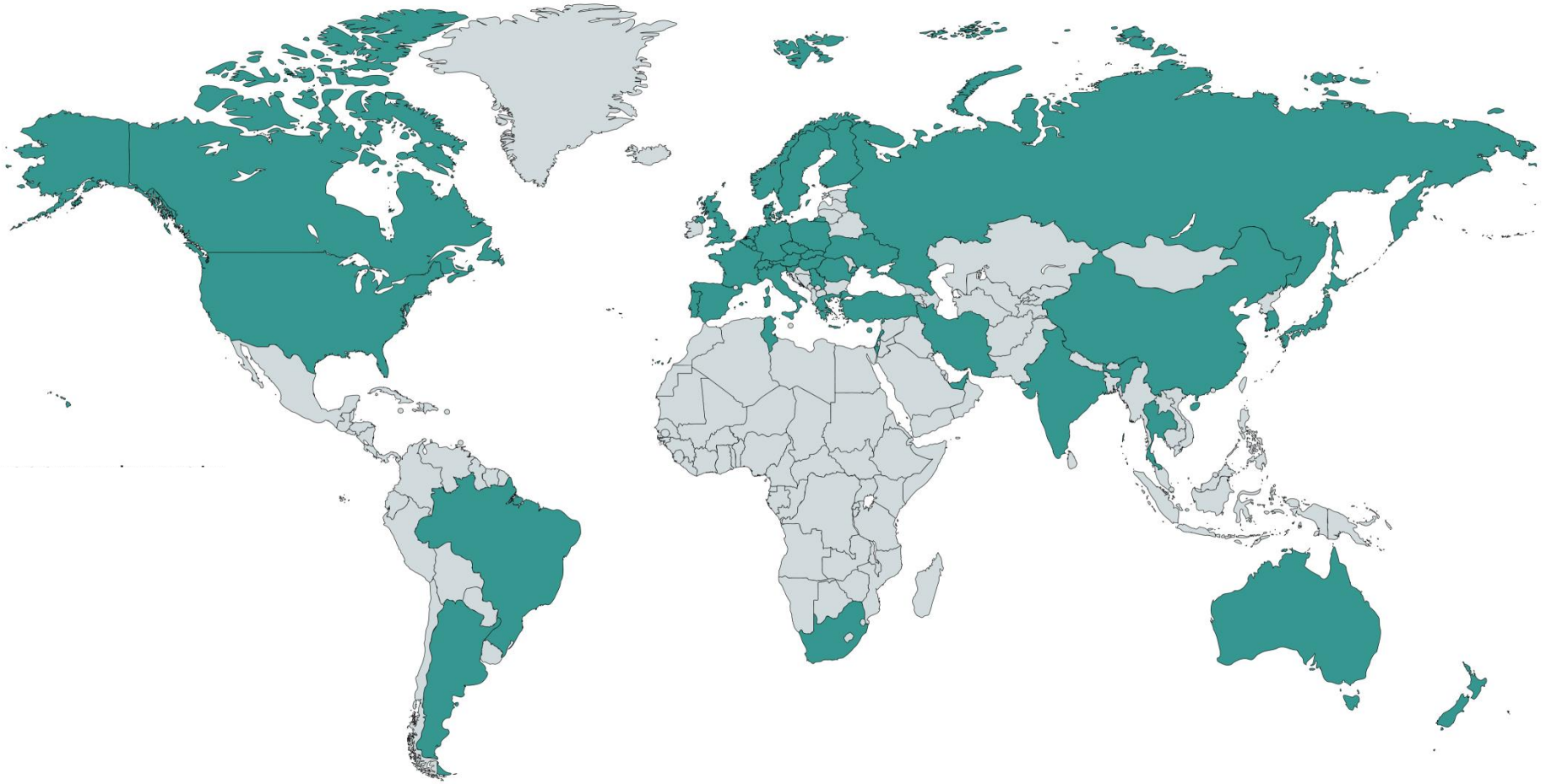
Transfer into design and construction practice

Dissemination by publications, conferences, etc.

Production of recommendations and codes

Dissemination of information to members

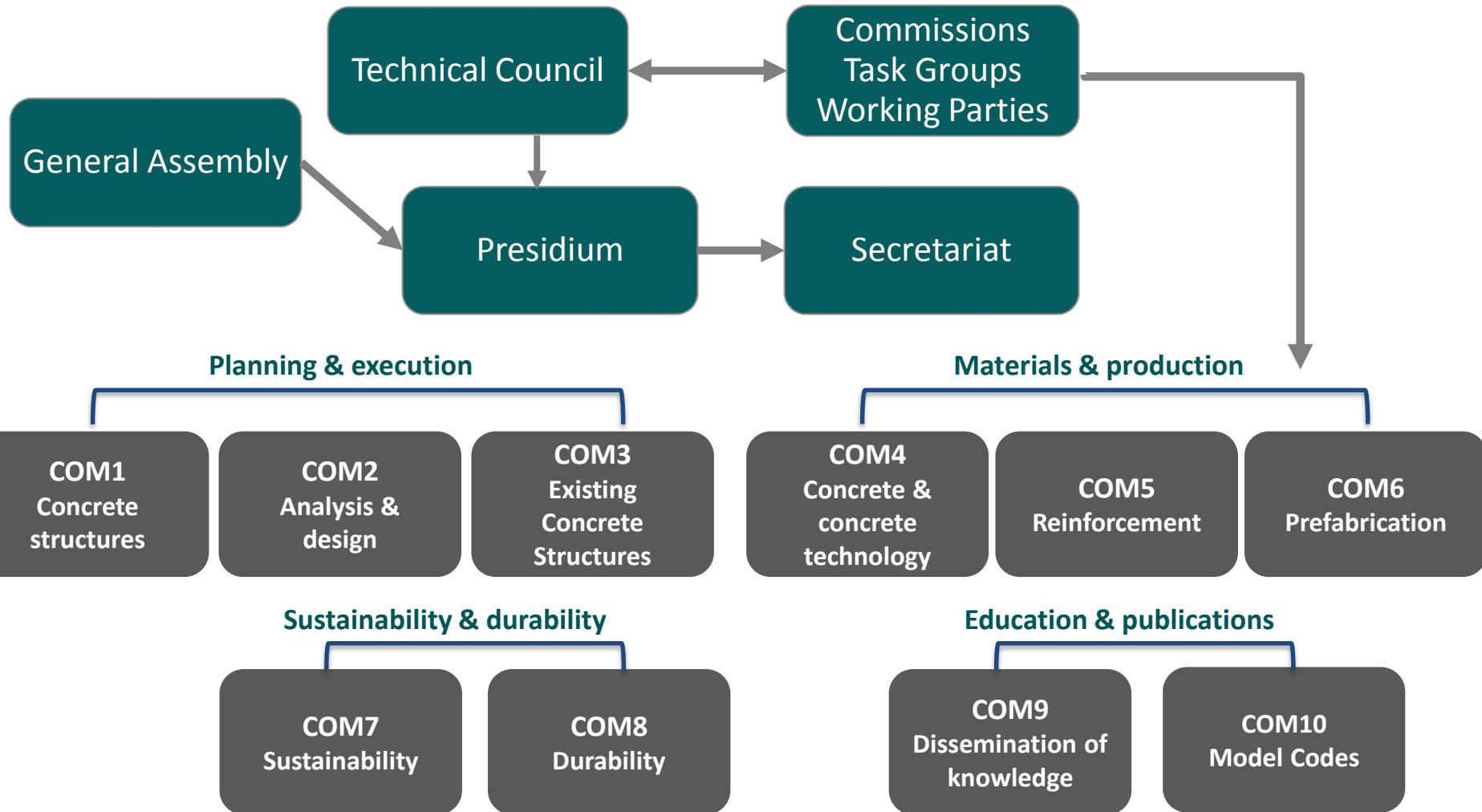
fib STATUTORY MEMBER COUNTRIES AS OF 2017



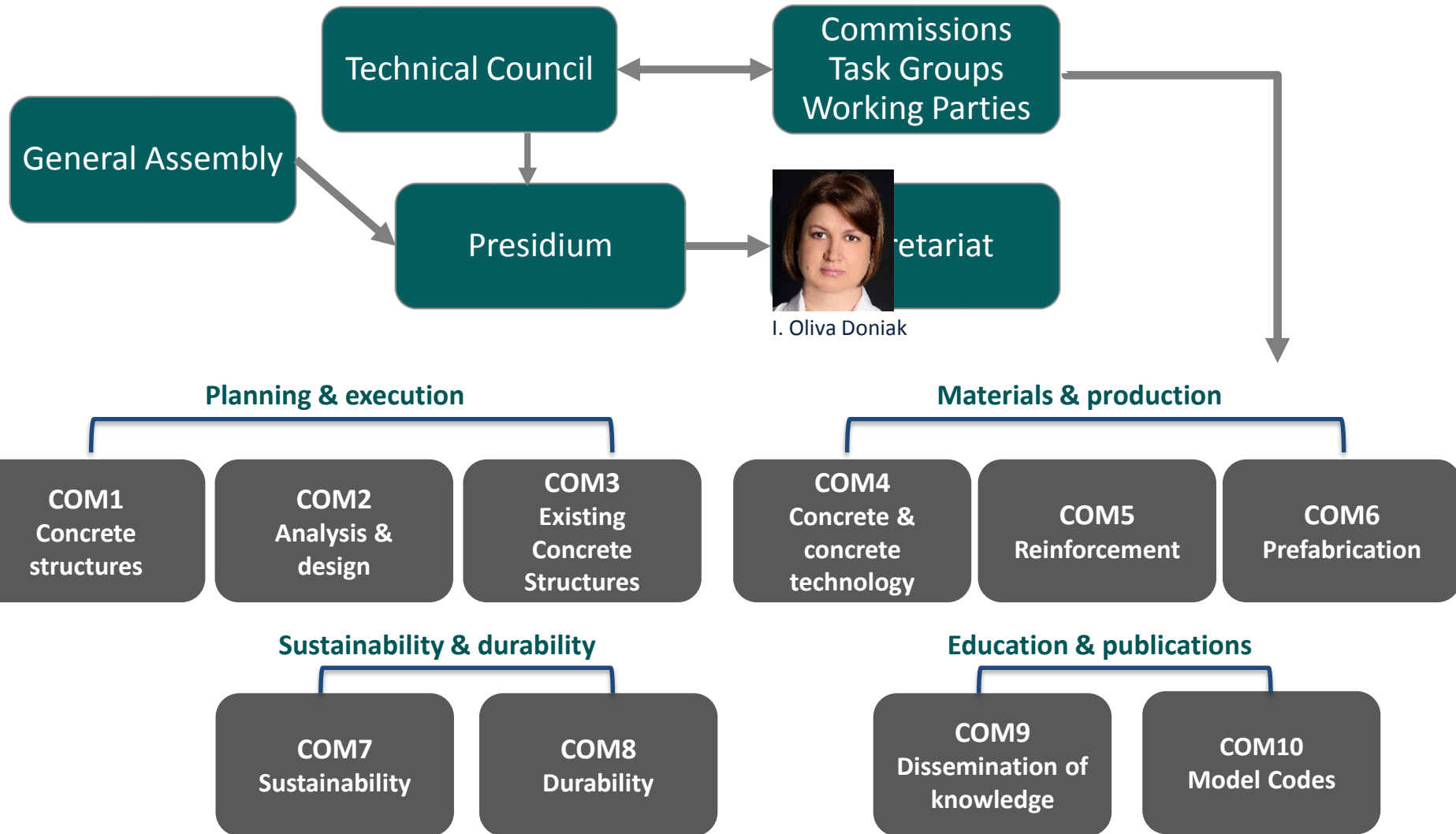
Created with mapchart.net ©

China - India - Australia – New Zealand - Iran - Turkey - Ukraine - Romania - Hungary - Slovakia - Poland – Czech Republic - Austria - Switzerland - Spain - Italy - Norway - Sweden - Finland - Canada – United States - Argentina – South Africa - Russia - Tunisia - Portugal - Thailand – Japan - Israel – Saudi Arabia - Germany - Belgium - Netherlands - Denmark – United Kingdom - Serbia - Greece - Slovenia - **Brazil** – South Korea - France - Luxembourg - Cyprus – Lebanon – UAE - USA

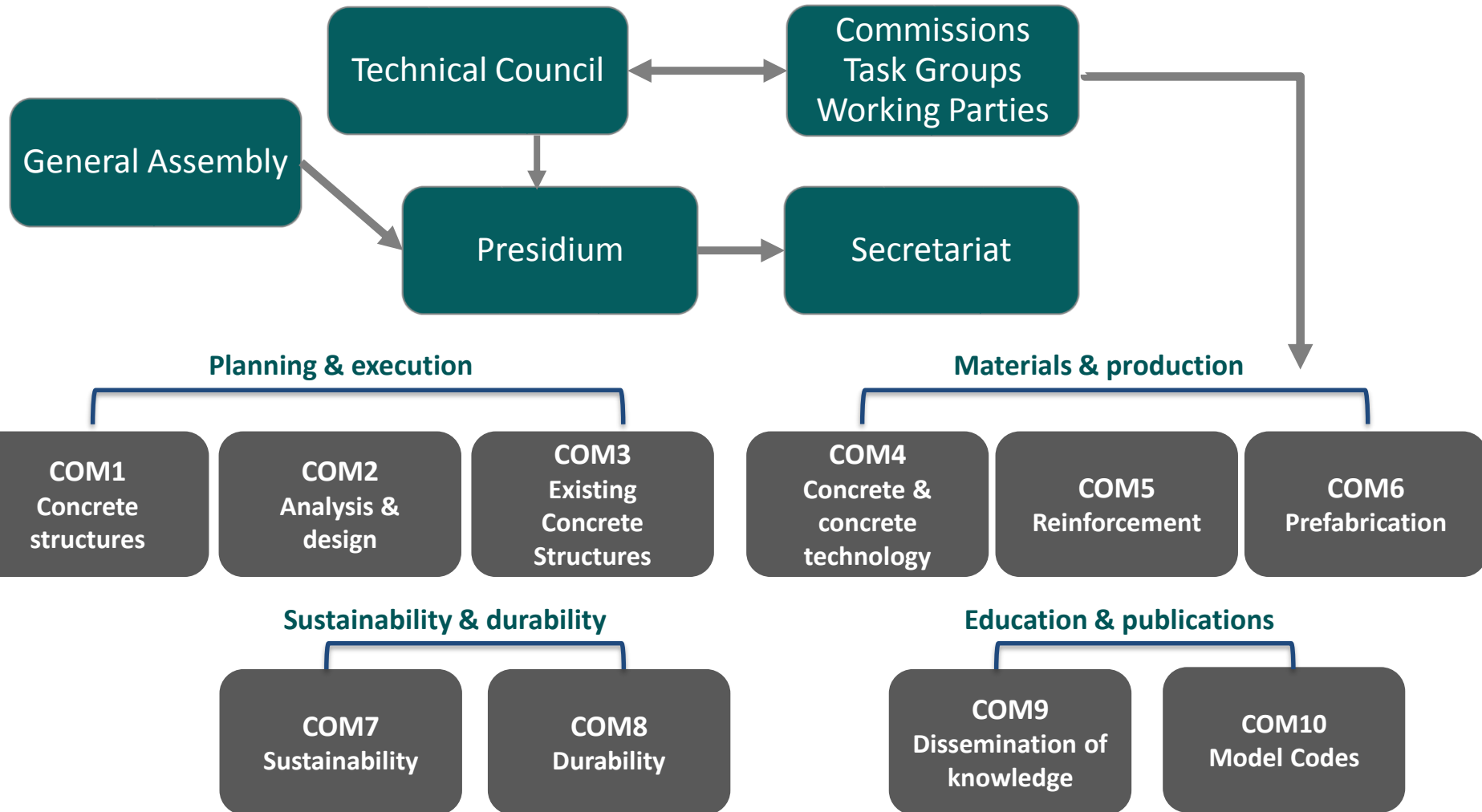
THE *fib*'s STRUCTURE



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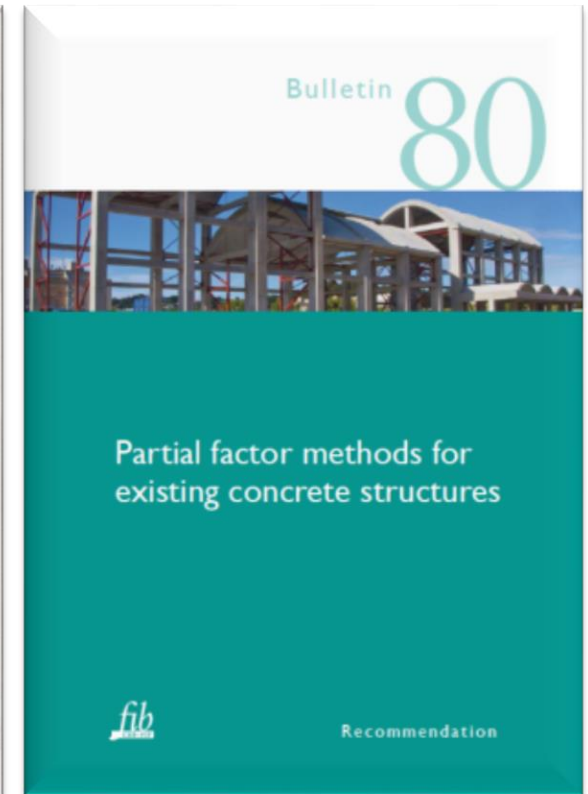
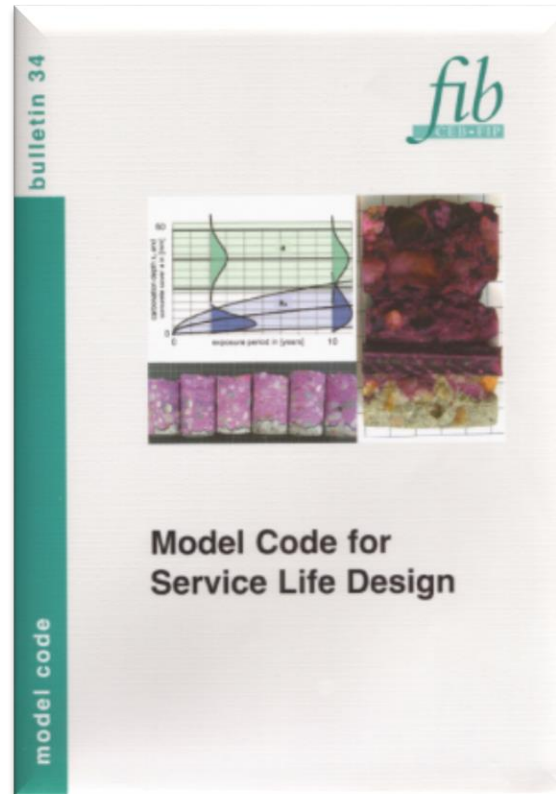


THE *fib*'s STRUCTURE

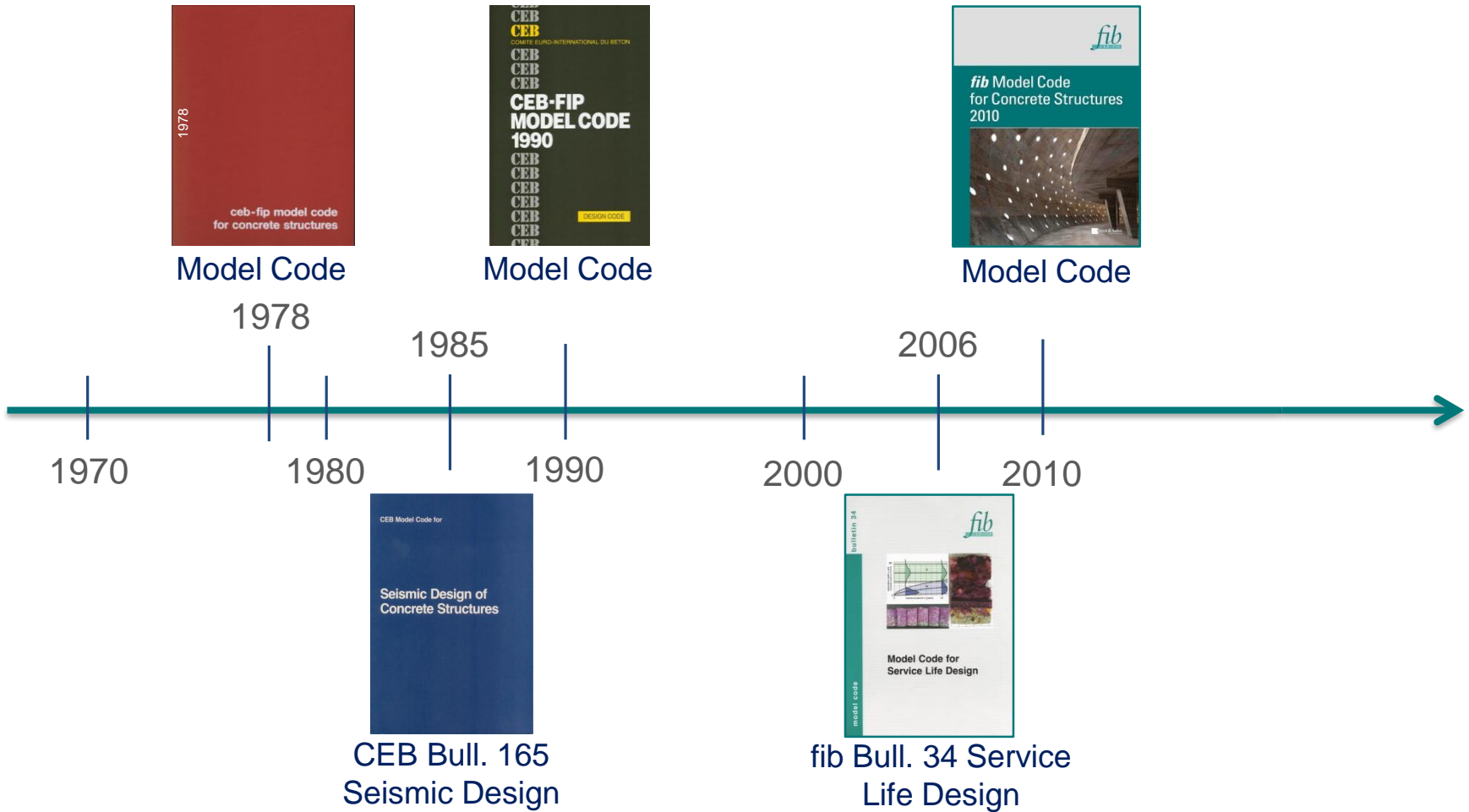


RESULTS OF COMMISSIONS AND TASK GROUPS ARE PUBLISHED AS *fib* BULLETINS

- Technical reports
- State-of-the-art reports
- Textbooks
- Manuals or guides
- Recommendations
- Model Codes

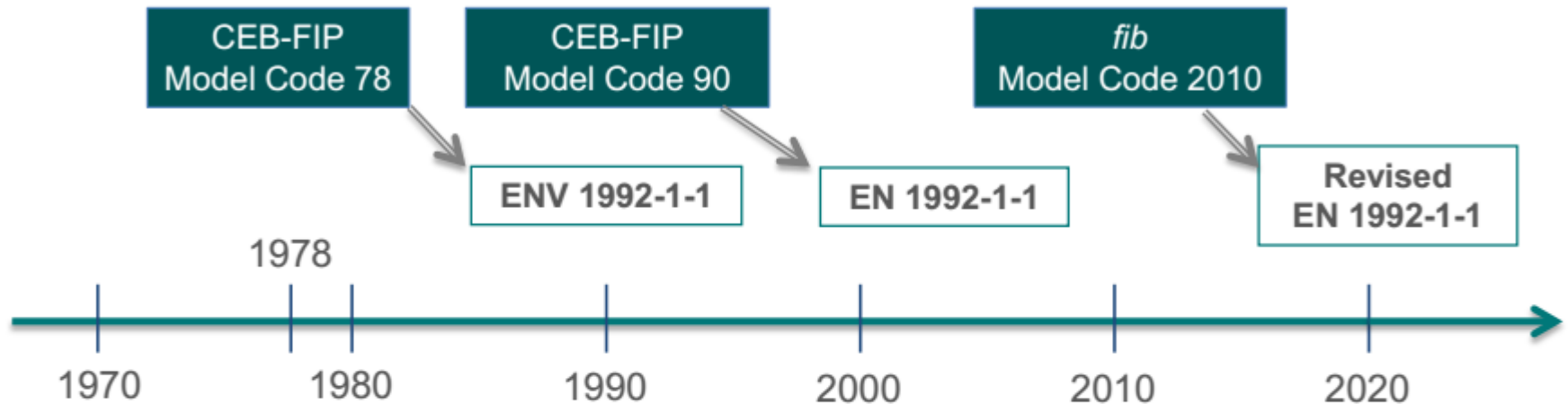


fib (CEB/FIP) MODEL CODES



IMPACT OF *fib* (CEB/FIP) MODEL CODES

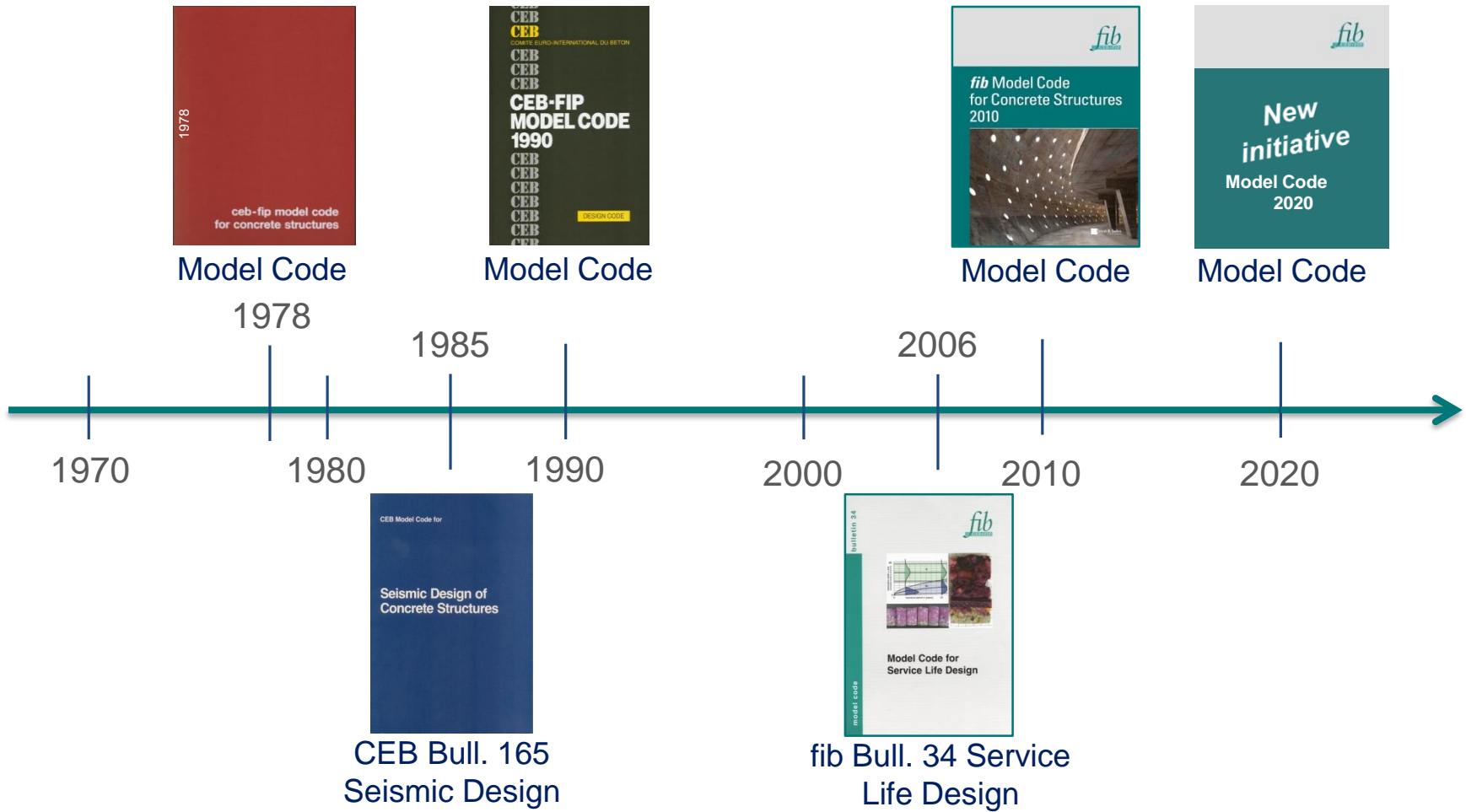
Strong influence on CEN Eurocodes (36 countries, 600 million people)



Pronounced influence on Asian and African Model Codes

**Model Codes are used as reference documents
both in research and in design**

fib EVOLUTION OF MODEL CODES



- MC 2020 will be a single, merged structural code for **new and existing structures**
- It will be an **operational** model code and **oriented towards practical needs**
- It has to present **more general and more rational models**, removing all heritage from previous empirical design rules (MC2010 was an important step forward, but further steps are possible, and needed)
- It will recognize the needs of engineering communities around the world. MC 2020 has to be a real **International Code**.

MC2020 Initiative – Global involvement



The *fib's* Structural Concrete Journal

Impact factor 2016: 1.424
6 issues from 2016



Upcoming *fib* Symposia and Congresses

2017: **Symposium.**
Maastricht. The Netherlands



fib symposium 2017



2018: **PhD Symposium**
Prague. Czech Republic



2018: **Congress.**
Melbourne. Australia



2019: **Symposium**
Krakow. Poland



2020: **Symposium**
Shanghai. China

fib Awards and honours

Freyssinet Medal

Recognizes outstanding technical contributions in the field of structural concrete

Medal of Merit

Recognizes outstanding contributions to structural concrete and to the *fib*

Honorary Life Members

Recognizes significant personal contributions to the work of the *fib*

Awards for Outstanding Concrete Structures

International recognition for concrete structures which demonstrate the versatility of concrete as a structural medium

Achievement Award for Young Engineers

Recognizes engineers younger than 40 years old

Staying informed about the *fib*

- *fib*-news
 - Quarterly newsletter published in the *fib*'s *Structural Concrete* journal
- e-newsletter
 - Sent by e-mail every 6 weeks

- Follow-us on social media

–  **LinkedIn**

– 



Website: www.fib-international.org
e-mail: info@fib-international.org

fib Young Engineers Group



Technical visit Madrid meeting

THE *fib's* WAY OF WORKING



COM10 – First Meeting. Lausanne, 15 October 2016 at the EPFL



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