

UPDATE ON WANO

Zack T. Pate

Chairman

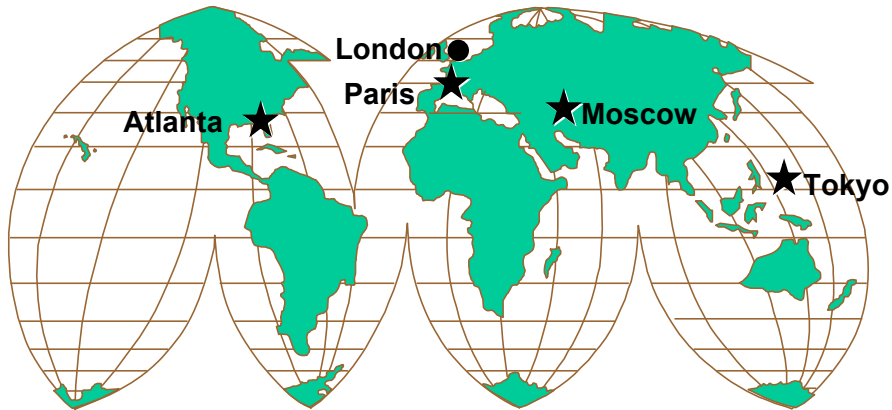
World Association of Nuclear Operators

WANO Mission



To maximize the
safety and reliability of
the operation of
nuclear power plants
worldwide

WANO Organization



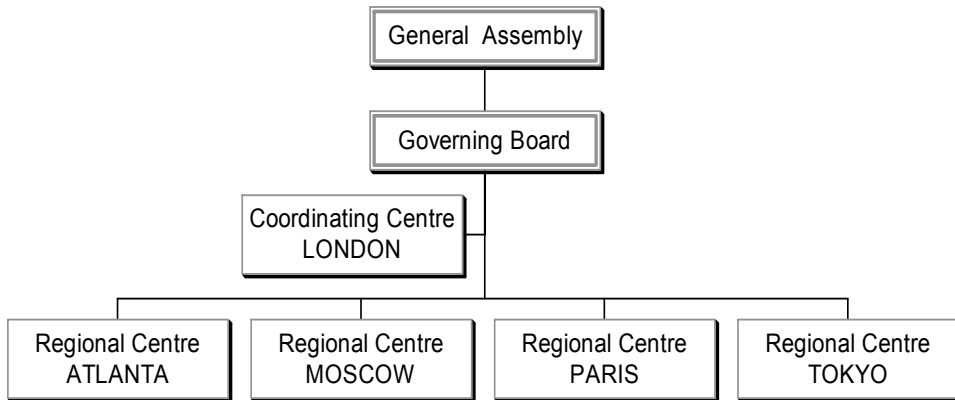
Coordinating Center● **Regional Centers**



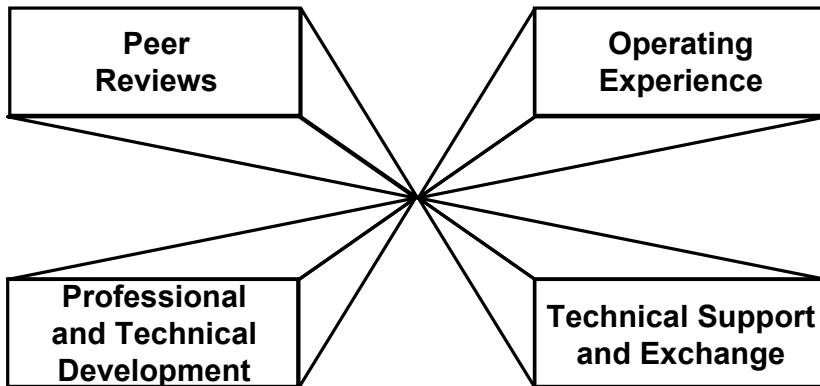
WANO Chronology

- October 1987 Planning Meeting in Paris
- May 1989 Inaugural Meeting in Moscow
 - Lord Walter Marshall elected Chairman
- April 1993 Biennial General Meeting in Paris
 - Rémy Carle elected Chairman
- May 1997 Biennial General Meeting in Prague
 - Zack Pate elected Chairman
- July 2002 45th Governing Board Meeting in Kiev
 - Hajimu Maeda will succeed Zack Pate as Chairman following meeting

WANO Structure



WANO Programs



WANO Atlanta Center Member Countries

- Brazil
- Canada
- India
- Mexico
- Pakistan
- Romania
- Slovenia
- United States

WANO Moscow Center Member Countries

- Armenia
- Bulgaria
- Cuba
- Czech Republic
- Finland
- Hungary
- Iran
- Kazakhstan
- Lithuania
- Poland
- Russia
- Slovak Republic
- Ukraine

WANO Paris Center Member Countries

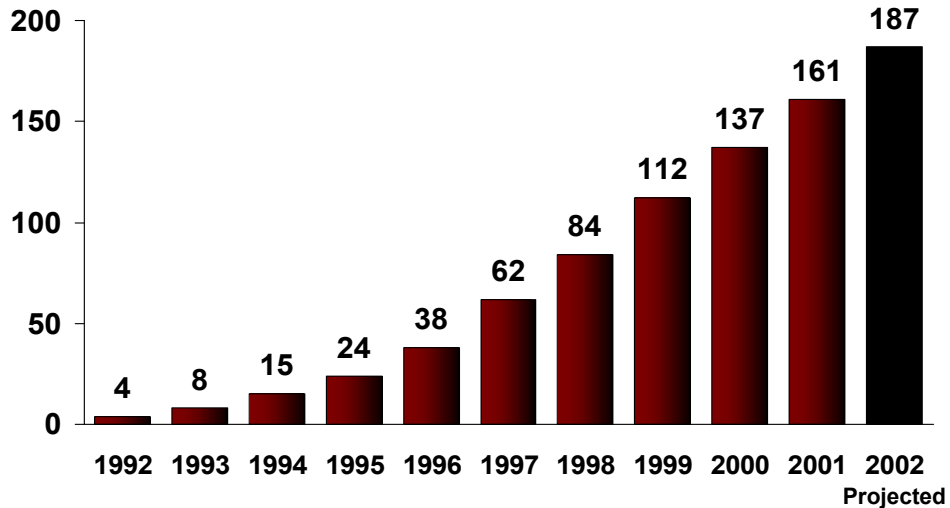
- Argentina
- Belgium
- Brazil
- China
- Finland
- France
- Germany
- Netherlands
- South Africa
- Spain
- Sweden
- Switzerland
- United Kingdom

WANO Tokyo Center Member Countries

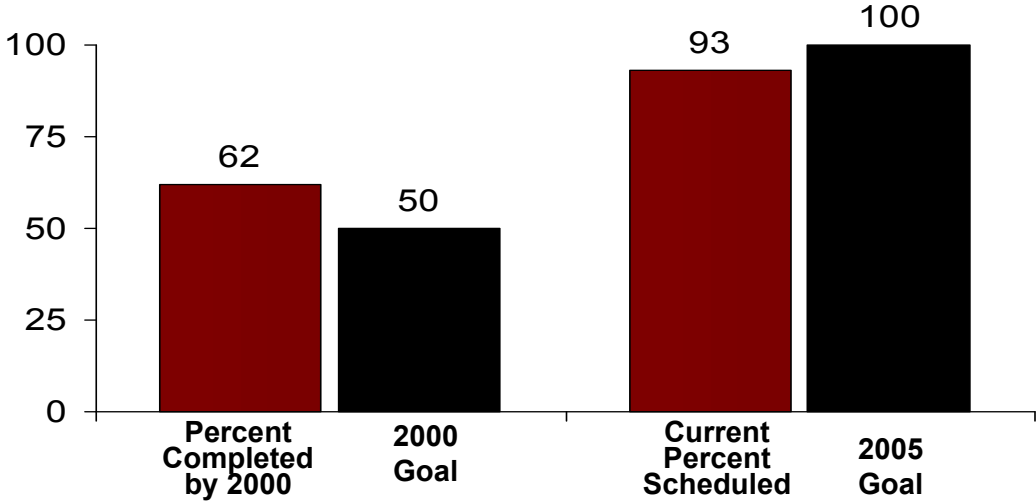
- China
- India
- Japan
- Korea
- Pakistan
- Taiwan

Peer Review History

Cumulative

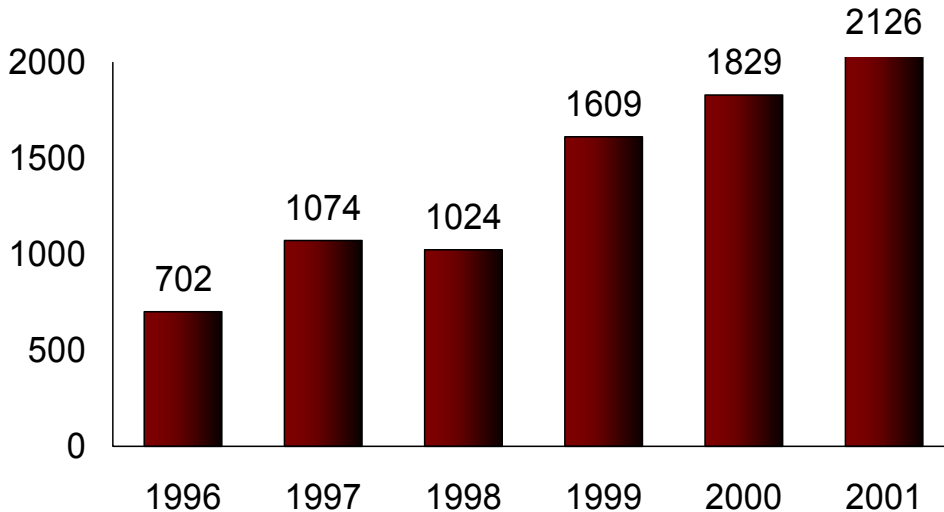


Peer Review Goals



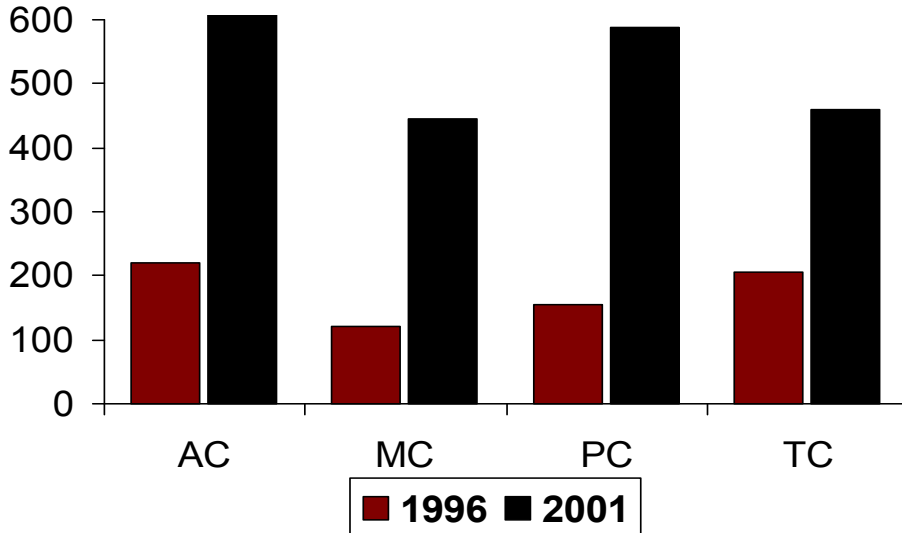
Member Participation

WANO Workshops and Seminars



Member Participation

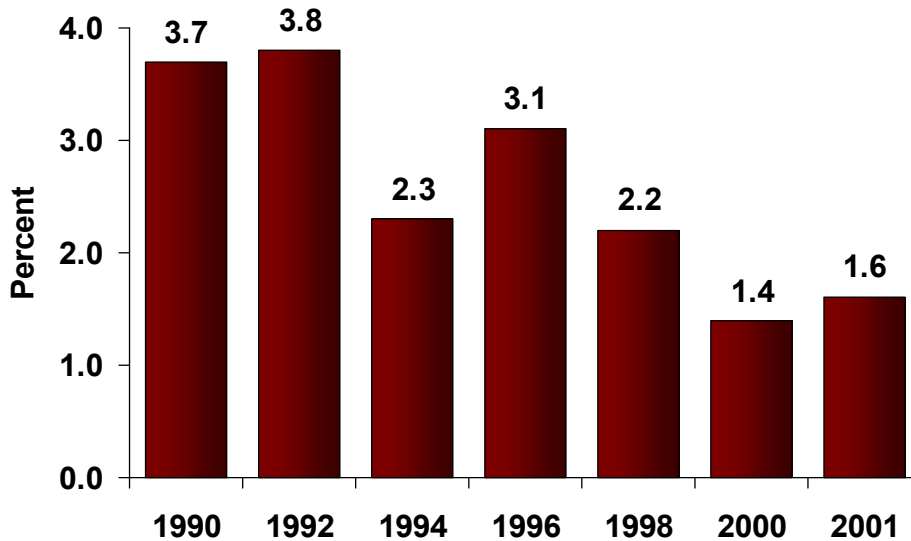
WANO Workshops and Seminars



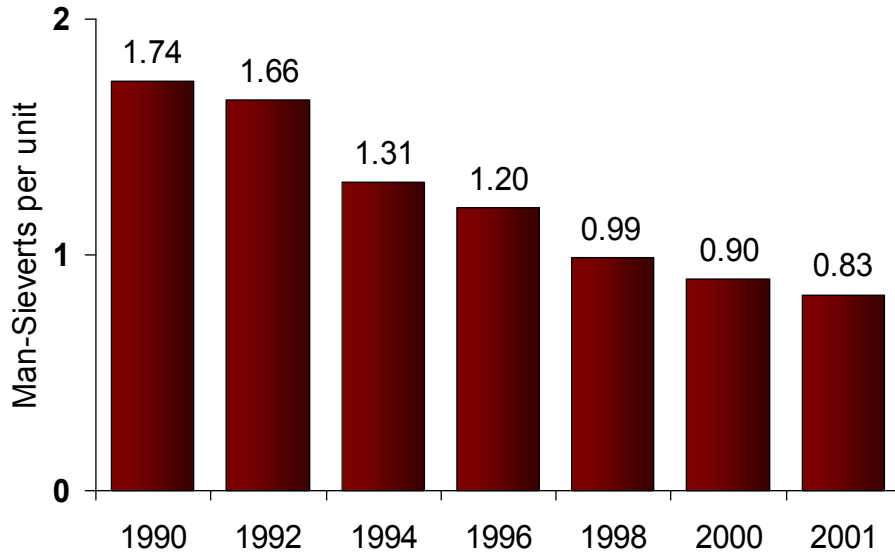
Participation

- Organizations in 32 countries own and operate the world's 440 commercial nuclear power plants. All these organizations are members of WANO.
- At its recent WANO Biennial General Meeting in Seoul, South Korea, all 32 countries were represented by more than 300 delegates.

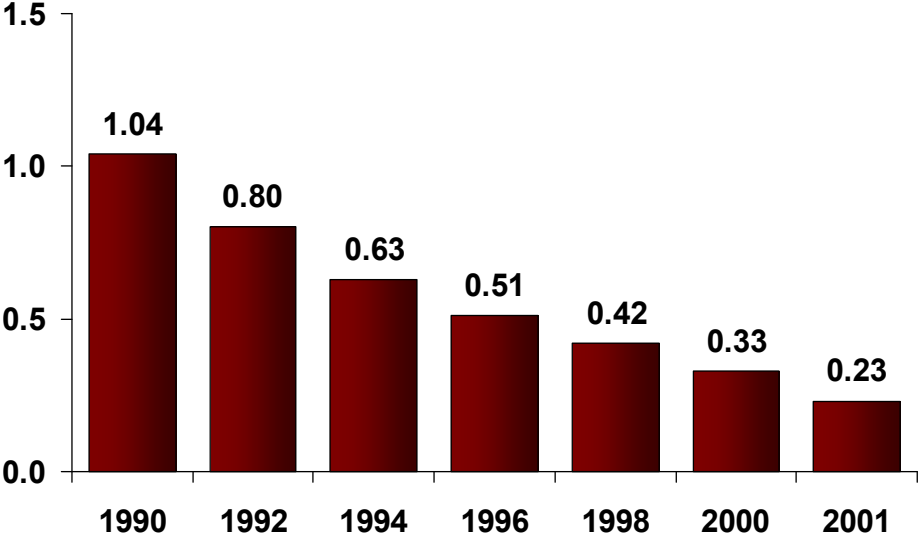
Unplanned Capability Loss Factor



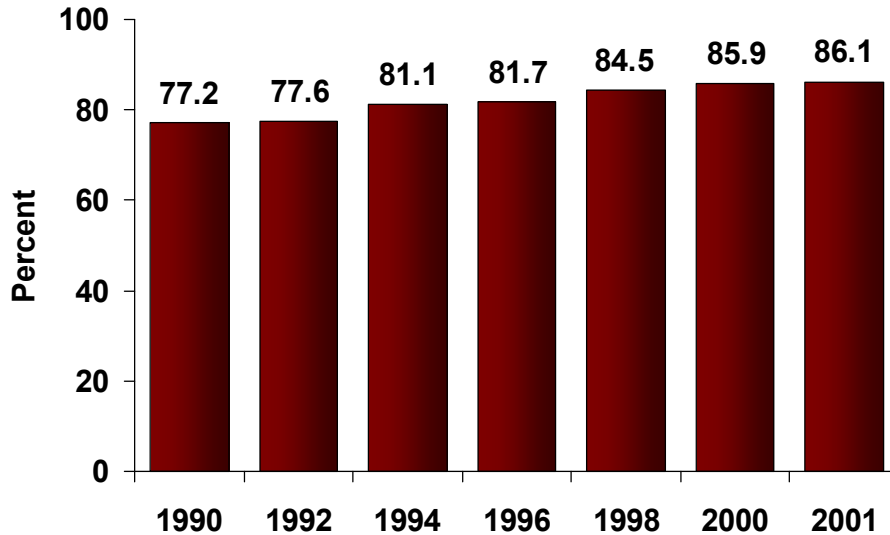
Collective Radiation Exposure



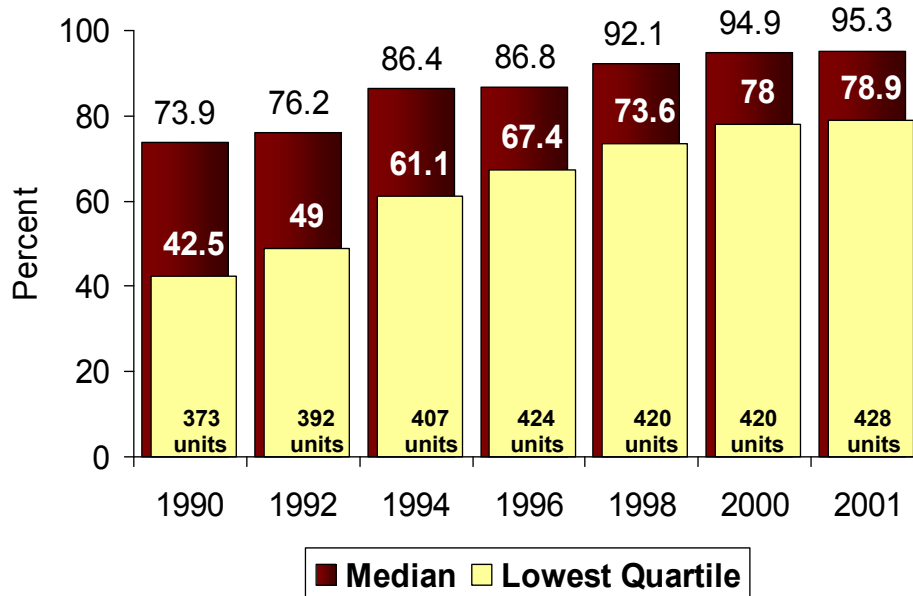
Industrial Safety Accident Rate



Unit Capability Factor



Index of Worldwide Performance



WANO Challenges

- Encouraging and achieving a greater level of participation by some members --- especially for the very small number of members whose participation is minimal;
- Continuing to improve the resources for some regional centers, as well as the experience level of some regional staff positions; and
- Continuing to improve the quality of our programs.