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# IAFSS Workshop to Define a Fire Safety Mission for Europe

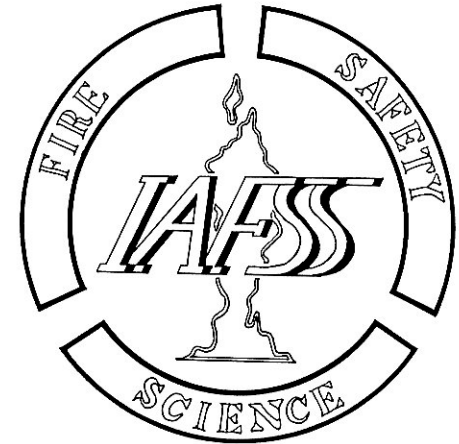
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# IAFSS - International Association of Fire Safety Science

- Founded in conjunction with the 1st International Symposium on Fire Safety Science, USA, 1985.
- **MISSION:** To globally promote research, education, dialog and cooperation in fire safety science
- Independent charity
- > 500 members , > 40 countries
- Recently developed first position paper –  
**IAFSS Agenda 2030 for a Fire Safe World**





# ISO TC 92 – A horizontal committee

- All aspects of fire safety
- Objectives:
  - Fire safety engineering, design and evaluation methods
  - The performance under fire conditions of materials, products, elements of structure, structures and systems and their contents
  - Characterisation of occupant performance and behaviour
  - Fire Vocabulary and Fire Statistics
- Recent new areas are e.g. large outdoor fires, tunnels and safety of fire fighters.



# The Fire Problem...

- WHO – 180 000 burn deaths annually, vast majority in low and middle-income countries but situation in developed countries is also troubling
- Europe – 3 500 killed in fires annually, at least 70 000 injured
- Developed countries – cost of fire >1% GDP
- US – total annual cost of fire close to 2% GDP

# Societal Challenges

- that fire research can help address

- ✓ Climate change, resiliency and sustainability
- ✓ Population growth, urbanization and globalization



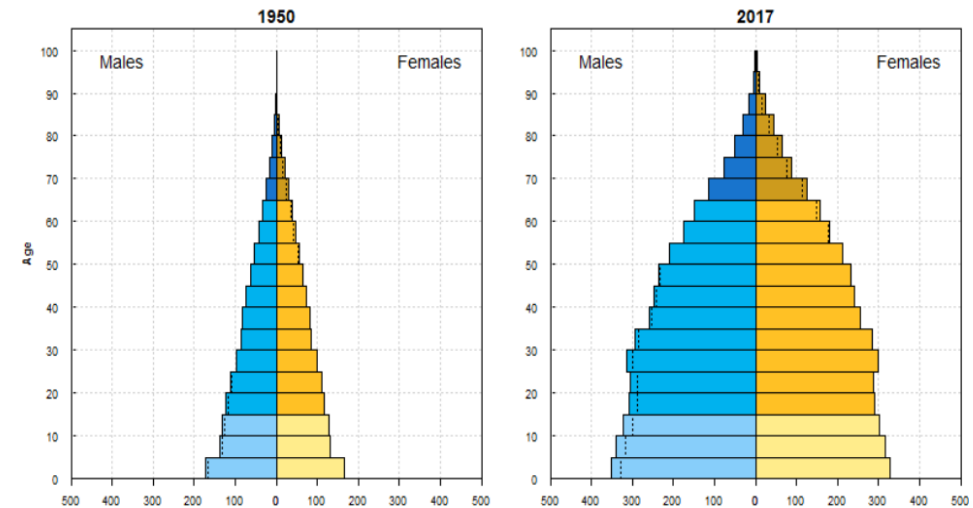
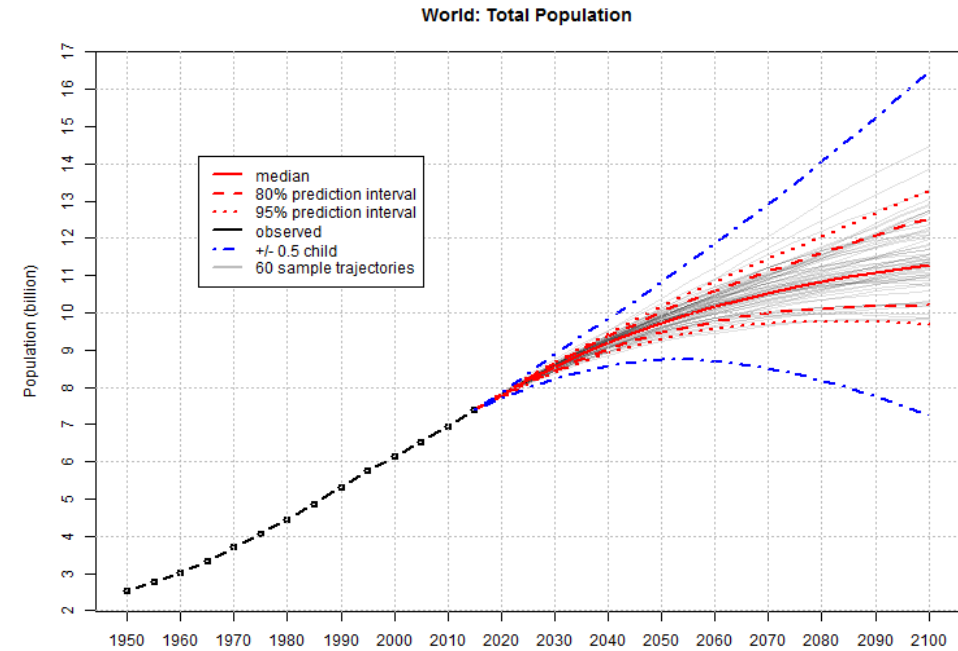
A hand holding a small globe with various scenes of nature, urban life, and renewable energy. The globe shows wind turbines, houses, trees, a city skyline, a rainbow, flowers, a fish, and birds. The background is a blue sky with white clouds.

# Climate change, resiliency and sustainability

- Forest Fires and Wildland-Urban Interface
- Societal Resilience
- Fire Safety and Sustainability
- Cross cutting topics
  - New Technology, Artificial Intelligence (AI) and Big Data
  - Higher Education

# Population growth, urbanization and globalization

- Globally-Consistent Regulations, Standards, and Guidelines
- Tall Buildings and Urban Development
- Cross cutting topic
  - New Technology, Artificial Intelligence (AI) and Big Data
  - Higher Education



Source: UN Dept of Economic and Social Affairs. Population Division, 2017



# Fire Safety Mission for Europe

- Fire is truly multi-disciplinary, horizontal in nature
- Costly, both in terms of property and human suffering
- Addressable, through a bold vision
- IAFSS invites ALL stakeholders to participate in important dialogue
- Start by framing – where are we coming from and where are we headed? Stakeholder perspectives and finally work together to begin defining a Fire Safety Mission for Horizon Europe!

