



International Council on Systems Engineering

*A better world through a systems approach*

# INCOSE SE WG Proposal to WFEO

Ralf Hartmann, INCOSE President



**International Council on Systems Engineering**

*A better world through a systems approach*

**VISION:**

To unite and advance the global systems community

**MISSION:**

INCOSE fosters systems engineering knowledge exchange, application, education, and research.

We are dedicated to being the world's trusted authority and forum for the practice, science, and art of systems engineering.

# What *is* INCOSE?

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization that promotes international collaboration in systems engineering practice, education, and research.

**INCOSE is the *largest* global systems engineering network!**



# Products, Conferences and Events

## Systems Engineering Vision 2035



## Guides



## INSIGHT Magazine



## Annual International Symposium



## Annual International Workshop



## Regional Events



## INCOSE Handbook



## Members Newsletter



## Systems Engineering



## Europe, Middle East, Africa (EMEA) Workshop and Systems Engineering Conference



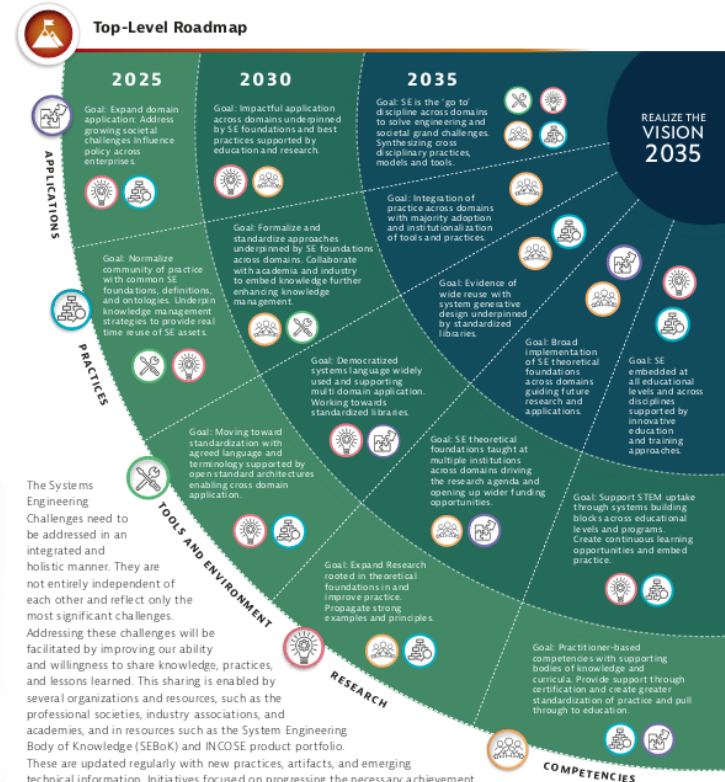
## Virtual Community Events & Webinars



## Working Groups & Initiative Events and Meetings



# Systems Engineering Vision 2035



# WFEO-INCOSE Systems Engineering Working Group

Presented by Dr. Garima Bhatia

# Introduction to Systems Engineering

## What is Systems Engineering?

*"Systems Engineering (SE) is a transdisciplinary and integrative approach to enable the successful realization, use, and retirement of engineered systems, using systems principles and concepts, and scientific, technological, and management methods."*



# Why a SEWG?

- The United Nations Sustainability Goals are a System of Systems (SOS) problem
- Systems Engineering is equipped to efficiently deal with SoS-related concerns
- Embedding a SEWG within WFEO that can integrate with WFEO committees can help effectively tackle sustainability goal achievement-related challenges



# INCOSE – WFEO Collaboration: A Systems Engineering Working Group (SEWG)

- Proposed in October 2024
- Goals of WG:
  - Enhance interdisciplinary collaboration
  - Address global challenges
  - Support WFEO's strategic goals
  - Bridge gaps between knowledge and practice
  - Promote global standards
  - Expand WFEO's global influence



World Federation of Engineering Organizations  
Fédération Mondiale des Organisations d'Ingénieurs

# Proposed Plan for 2025

- Engage WFEO members into the WG
- Webinar (awareness of SE concepts and principles for non-SE domains/sectors)
- Sub-committee connection, e.g. application of SE in Energy Domain
- Present at the GEC 2025