

# Japan Society of Civil Engineers

**International Activities Committee** 

# Newsletter

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## **Civil engineering - Closest discipline to sustainability**

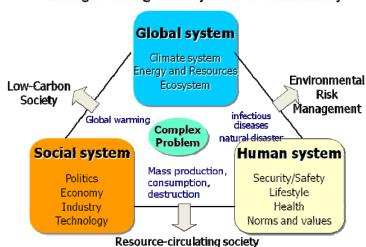


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The concept of sustainability is a key to any discussion of the science, technology, and economics of the 21st century, the Century of the Environment. Sustainability science is a rather new, transdisciplinary discipline destined to play a fundamental role in addressing critical global issues and developing visions that can lead to a sustainable global society.

Sustainability science concerns itself with global systems comprising resources, energy, and ecosystems that support human life; social systems comprising national economies, governments, industries, and technological structures; and human systems comprising individual lifestyles, health, security and safety, and human values. Given that today's global problems arise from the close interaction among these three systems, it is particularly crucial that sustainability science focus on the linkages among these systems.

### Linkages among three systems in sustainability



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