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*Panel 3.5: Science and Practice in Creating Sustainability*

**Enhancing Cooperation by Science Diplomacy: The Arctic Model**

Climate change which is clearly visible in the Arctic Region is one of the biggest problems that the world is facing. The Arctic Ocean could be ice-free as early as 2040. The melting of ice brings risks such as sea level rise but also opportunities such as opening of new shipping routes and energy resources on both regional and global levels. Climate change problems in the Arctic can only be solved through scientific cooperation, and this serves as a means for deepening cooperation in other fields through the so-called science diplomacy. As an example, the Arctic Council which is separated from military relationship and focused on environmental protection and sustainable development that requires scientific cooperation helped to keep the region in low tension despite the relations between the Arctic Countries and Russia after the Ukrainian crisis. This research reflects that the Arctic could serve as a model for enhancing cooperation and confidence-building measures in other areas.