

# BRIN-KONEKSI Joint Call

## Indonesia's Bioeconomy: Maximising Sustainable Marine Biodiversity Utilisation 2024

The following topic map identifies priority topics for the Government of Indonesia on the issue of bioeconomy. Only those topics which fall within these categories will be eligible. The research focus provides examples of the type of research that will be funded. Close alignment with the example research focus is recommended.

The Secretariat welcomes research project applications in the following areas:

Topic	Example of research focus
Biodiversity utilisation for food	<ul style="list-style-type: none"><li>• Research to <b>identify</b> and <b>develop</b> technology and practices for deriving marine products for development as sustainable food resources and assessing the <b>impacts</b> and <b>mechanism</b> or resources use on communities and ecosystems</li><li>• Research to <b>identify</b> and <b>develop</b> sustainable technology for processing potential marine biodiversity for food</li><li>• Research to <b>identify</b> and <b>develop</b> technology for sustainable food packaging, storage and distribution using materials from marine biodiversity</li><li>• Research to <b>identify</b> and <b>develop</b> ways for optimisation technologies and data to support food security and resilience through utilisation of marine biodiversity</li></ul>
Biodiversity utilisation for health	<ul style="list-style-type: none"><li>• Research to <b>identify, explore</b> and <b>develop</b> potential compounds in marine biota for pharmaceutical development and sustainable impacts on communities and ecosystems</li><li>• Research to <b>identify, explore</b> and <b>utilise</b> marine biodiversity for vaccine development and treating a range of illness, including infectious disease, cancer and degenerative disease</li></ul>
Biodiversity utilisation for energy	<ul style="list-style-type: none"><li>• Research to <b>identify, explore</b> and <b>utilise</b> marine biota (microalgae, macroalgae, plankton, phytoplankton) to produce biofuels (biodiesel and bioethanol), biogas, hydrogen and marine bioremediation with sustainable impacts on communities and ecosystems</li><li>• Research for monitoring and surveillance technologies to test the viability of renewable energy derived from marine biodiversity in rural and remote areas</li></ul>