

Title	Basic research to establish a virtuous cycle between basin-wide flood management and the behavior of businesses and investors
Background & Needs	<p>With the growing public awareness of ESG management, more companies listed on the Tokyo Stock Exchange's Prime section or endorsing the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD) have begun to include an assessment of future climate change impacts in their financial information disclosures.</p> <p>Since companies need to assess physical impacts due to flooding for this impact assessment, there is a growing corporate need for assessment methods. In these circumstances, disseminating quantitative risk assessment methods should encourage companies to differentiate themselves from others in the content and amount of their commitment to flood management, which will consequently create a mechanism to competitively promote flood management in the private sector.</p> <p>Such changes in the awareness and behavior of private companies and investors can also be a major driving force in advancing the national project of basin-wide flood management. In order to discuss how to make it happen, it is necessary to clarify the changes in the attitude and behavior of companies and investors and the overall effect of such changes in advancing basin-wide flood management.</p>
Goals	<p>To promote technological development and plan and implement effective measures aiming at achieving basin-wide flood management by accumulating the above-mentioned insights. Resulting technologies and measures will help the private sector change their mindset toward flood management from "management cost" to "corporate value," thereby creating a virtuous cycle, in which corporate efforts and communities' disaster preparedness and awareness reciprocally strengthen each other.</p> <p>This virtuous cycle will also help the private sector step up its flood management and society as a whole improve its resilience and sustainability and rebuild a "flood-conscious society." As a result, it will contribute to achieving basin-wide flood management, in which various entities in river basins, including residents and companies, act voluntarily based on mutual understanding.</p>

	<p>企業等</p> <p>➢ 自ら水災害リスクを定量的に評価</p> <p>想定損失額</p> <p>TCFD 情報開示</p> <p>事前防災対策強化</p> <p>かさ上げ、止水壁 等</p> <p>事業継続計画</p> <p>かさ上げ、止水壁 等</p> <p>好循環</p> <p>モチベーション</p> <p>評価、投資、融資</p> <p>投資家、金融機関</p> <p>企業によるリスク評価と開示、事前防災対策強化の好循環のイメージ</p>
<p>Method &amp; Outcomes</p>	<p>We will conduct research and development according to the following steps:</p> <ol style="list-style-type: none"> <li>1. Collection of information on recent behavioral changes in businesses and investors.</li> <li>2. Development of methods to evaluate corporate activities from the perspective of basin-wide flood management.</li> <li>3. Identification and discussion of necessary measures and technical issues in the future.</li> </ol>
<p>Collaborators</p>	<p>None</p>
<p>Duration</p>	<p>FY2023-FY2025</p>
<p>Researchers</p>	<p>Chief Researcher: KURIBAYASHI Daisuke, Senior Researcher: NAITO Kensuke</p>