

横木 裕宗 (Hiromune Yokoki)

所属 (Domain) 都市システム工学領域 (Domain of Urban and Civil Engineering)

・ 博士後期課程社会インフラシステム科学専攻 (Major in Society's Infrastructure Systems Science)

● 研究テーマ (Research theme)

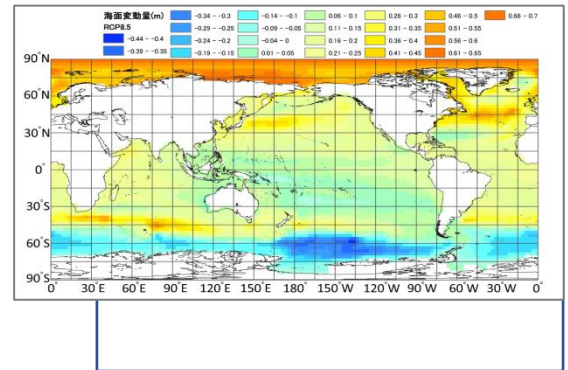
① 地球環境変化, 特に気候変動に対する影響評価と適応策

(Impacts and adaptation assessments on coastal areas with sea level rise and climate change)

① 地球温暖化・気候変動の沿岸域への影響の予測とその対策に関する研究を行っています。例えば影響として海面上昇をみると(図), 地球全体では高低差があり, 沿岸域によってとるべき対策が異なってくることは容易に想像できます。我々の研究室では, これらの影響や対策の方策や費用などを予測する研究を行っています。

We are dealing with the research topics relevant to impact assessments on coastal zones due to projected sea level rises as well as climate change, and adaptation evaluations against them. A sample result of the distribution of future sea

level changes on the globe, which was derived from a general circulation model (GCM) is shown on the figure. It shows that the distribution of sea level changes is quite uneven, and that implies that adaptation options and costs to be taken on the coasts would differ on coast by coast. One of our research targets is to develop an appropriate method to estimate the impacts as well as adaptation options and costs.



キーワード (Keyword)

気候変動 (Climate change) 海面上昇 (Sea level rise) 適応策 (Adaptation) 影響と適応の経済評価 (Economic evaluation of impacts and adaptations)

専門分野 (Specialized Field)

気候変動の影響評価と適応策 (Impact assessments and adaptations on climate change issues)

共同研究可能技術 (Possible Technology of Cooperative research)

統計的手法を用いた影響・適応評価 (Statistical analyses on impact and adaptation assessments)

関連論文・特許情報 website

<https://info.ibaraki.ac.jp/Profiles/6/0000538/profile.html>

(Related articles・patent information)

研究設備 (Research Facility)

数値計算環境 (Computer systems)

研究室URL (Lab. URL)

<http://gcenv.eng.ibaraki.ac.jp/gcenvHP/index.html>

E-mail

Hiromune.yokoki.hy@vc.ibaraki.ac.jp