Greenland Rising

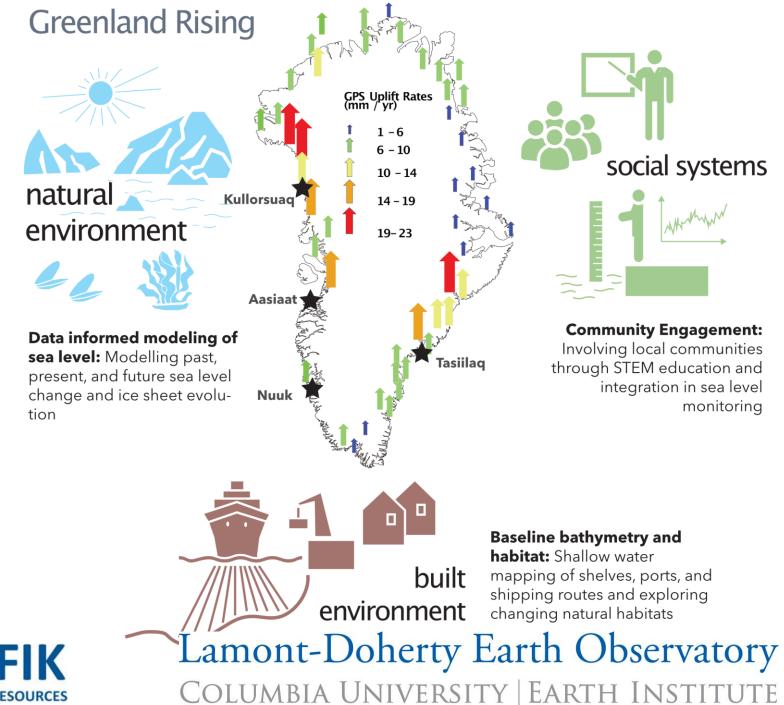
Sea level changes & communities 2019-2024

Robin Bell, Jacky Austermann, David Blockley, Casey Brayton, Ninni Jeremiassen, Jonny Kingslake, Diana Krawczyk, Pilunnguaq Kristensen, Frank Nitsche, Maatalii Okalik, Guy Paxman, Jane Plesner, Dave Porter, Marina Reimer, Aqqaluk Sørensen, Kirsty Tinto, Margie Turrin, Karl Zinglersen



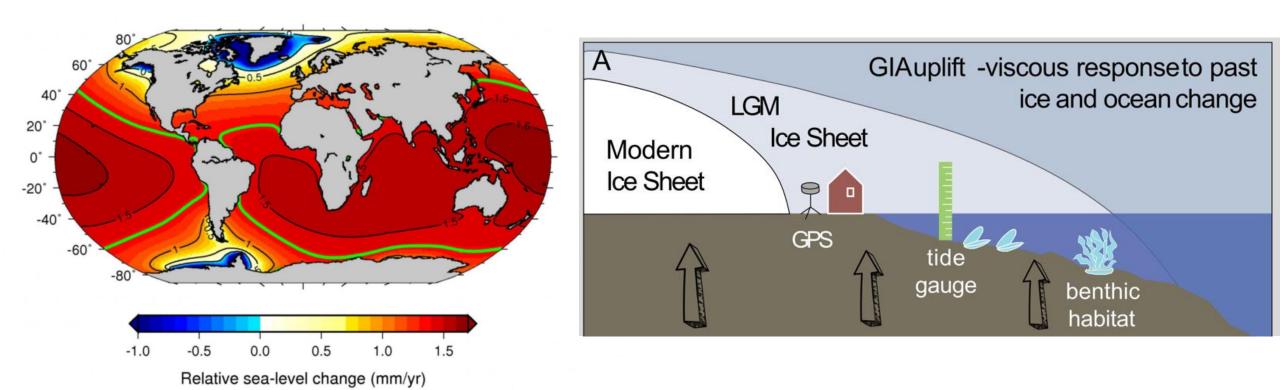


Award #1928146



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GRØNLANDS NATURINSTITUT GREENLAND INSTITUTE OF NATURAL RESOURCES

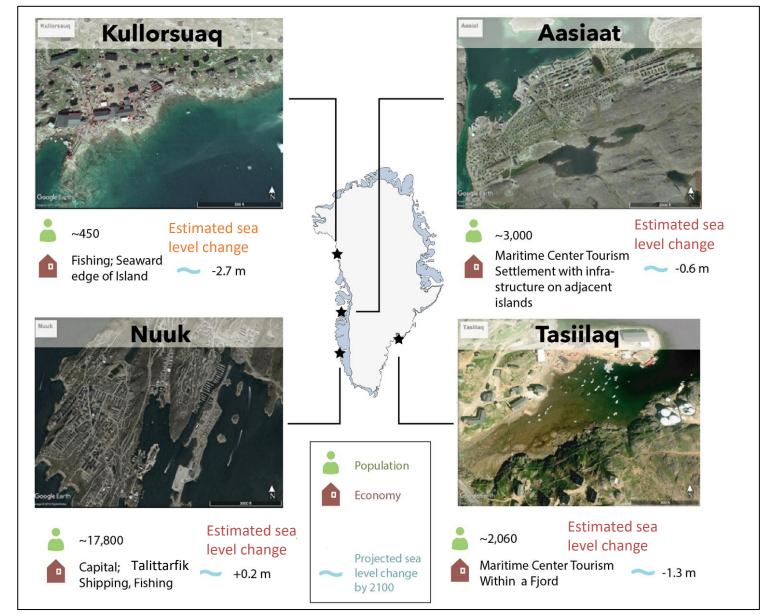




Bamber, J. and Riva, R.: The sea level fingerprint of recent ice mass fluxes, The Cryosphere, 4, 621–627, https://doi.org/10.5194/tc-4-621-2010, 2010.



These are four communities we are working in, each is being affected differently.





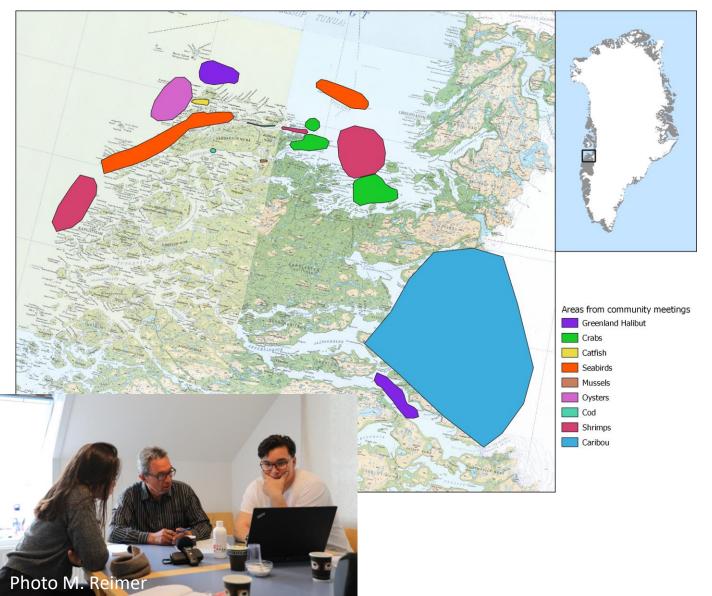
Gathering Community Input

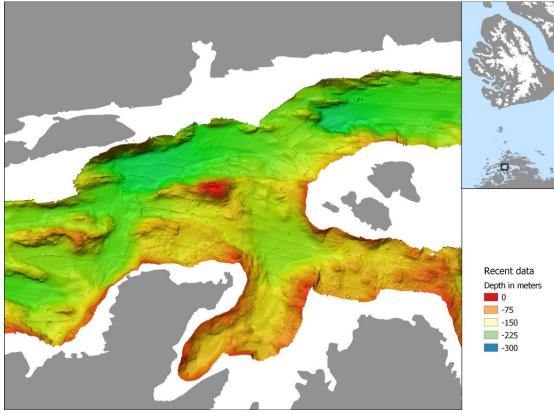
Organized & Held:
Community meetings with municipal groups,
ministries of housing & infrastructure, community hunting & fishing groups, boat clubs and others.

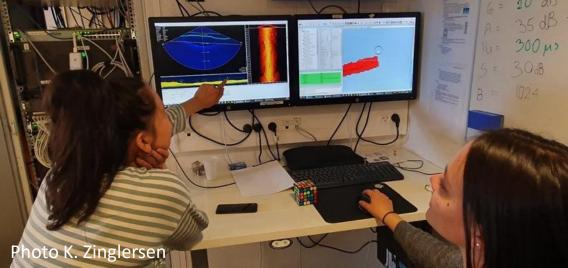
- Spoke the local language
- Trusted community members
- Shared life experiences



Community designed bathymetry surveys







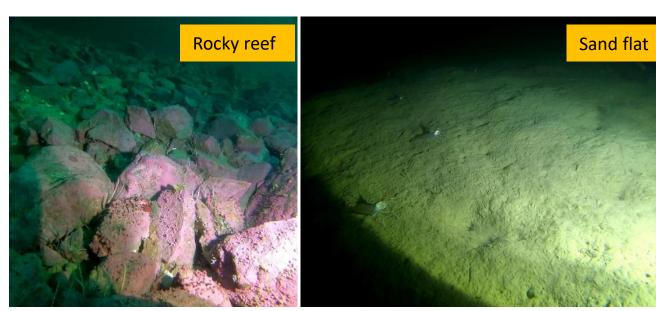
Ground truthing





Drop video camera system being deployed.

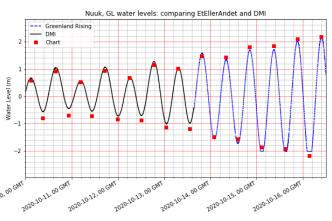
Photo: David Blockley



Tide Gauges









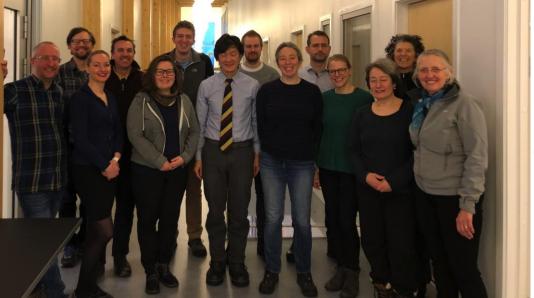




Students Experiment with 3D Models & Create Time Lapse Videos



Aqqaluk Sørensen discussed simple physics concepts. Students used 3 D models of Greenland topography as a based. Marina Reimer showed them how to set up experiments and do time laps photography with their cell phones.







The full project team

Jacky Austermann, Robin Bell, David Blockley, Casey Brayton, Jonny Kingslake, Diana Krawczyk, Frank Nitsche, Guy Paxman, Dave Porter, Marina Reimer, Aqqaluk Sørensen, Kirsty Tinto, Margie Turrin, Karl Zinglersen. Students: Maatali Okalik, Ninni Jeremiassen, Jane Petersen, Per la Cour, Pilunnguaq Kristensen

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