

A full-page background image of an Arctic seascape. The sky is a deep blue with a bright sun at the top center, creating a lens flare. The water is a vibrant turquoise color with small, shimmering waves. Several large, white icebergs with blue-tinted edges are scattered across the water. A semi-transparent grey rectangle is centered over the image, containing the title and author information.

GOVERNING MARITIME TRANSPORTATION IN THE ARCTIC

Supriti Jaya Ghosh

Knauss Marine Policy Fellow '16

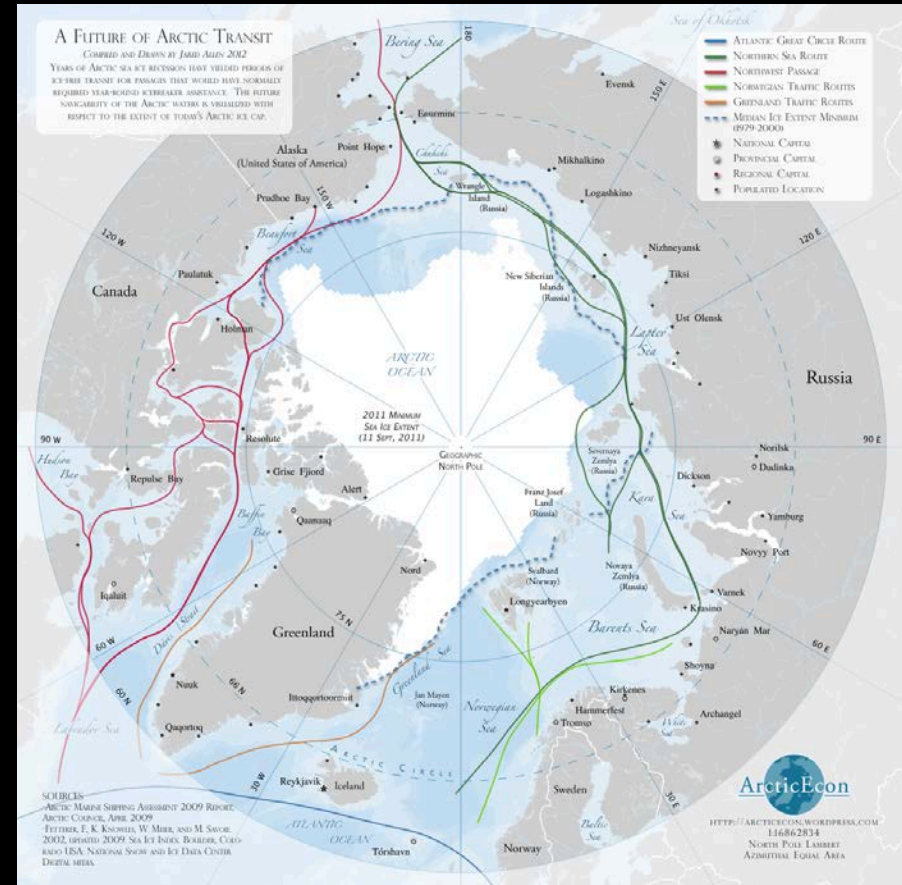
U.S Committee on the Marine Transportation System



Maritime Transportation



<http://euro-mad.dk/billeder/billederships-in-the-arctic-ice-0136032.jpg>



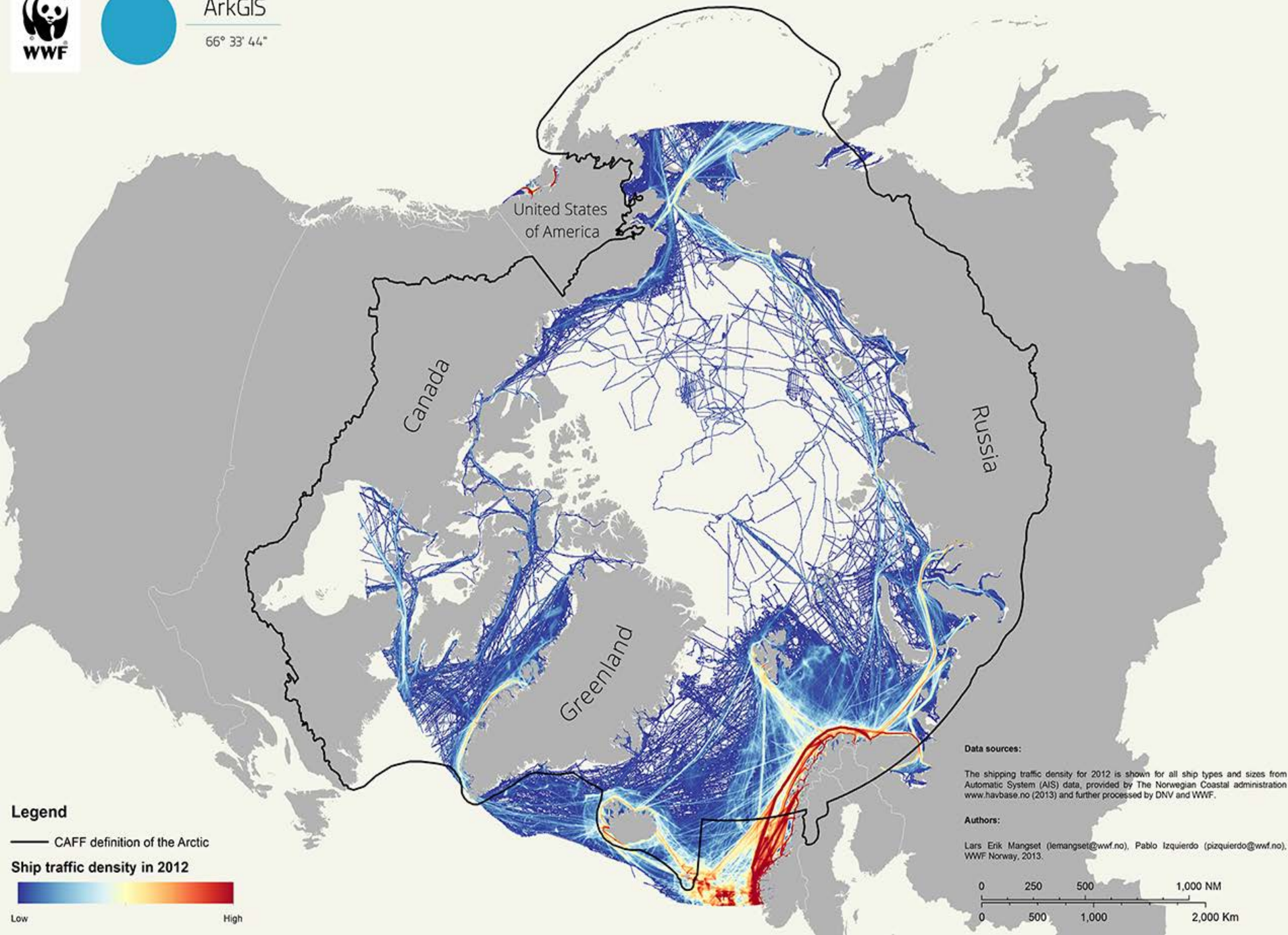
<https://arcticecon.files.wordpress.com/2012/10/a-future-of-arctic-transit.png>



ArkGIS

66° 33' 44"

http://ipolitics_assets.s3.amazonaws.com/wp-content/uploads/2013/01/Density-and-ice.jpg



Research Questions

How is maritime transportation governed in the Arctic?

Based on desirable qualities of global environmental governance, what are the successes and gaps in existing Arctic governance as related to the maritime transportation industry?

How can governance gaps be filled?

Defining Global Environmental Governance

A set of regulatory processes, mechanisms and organizations through which political actors influence environmental actions and outcomes.

– Lemos and Agrawal (2006)

Governance is the type of regulation typical of the cooperative state, where state and non-state actors participate in mixed public/private policy networks.

- Mayntz (2002)

Characteristics of Global Environmental Governance

1. Be situated in a globalized world
2. Be appropriate for local context
3. Be inclusive of non-state actors, especially industry
4. Produce knowledge
5. Provide sufficient infrastructure, including capacity for enforcement
6. Ensure environmental protection
7. Be flexible and adaptable

Situated in a Globalized World



http://www.marinelink.com/images/maritime/Alianca_Santos-8212.jpg

Inclusive of Non-State Actors



<http://www2.emersonprocess.com/SiteCollectionImages/News%20Images/maersk.jpg>

Infrastructure and Enforcement Capacity

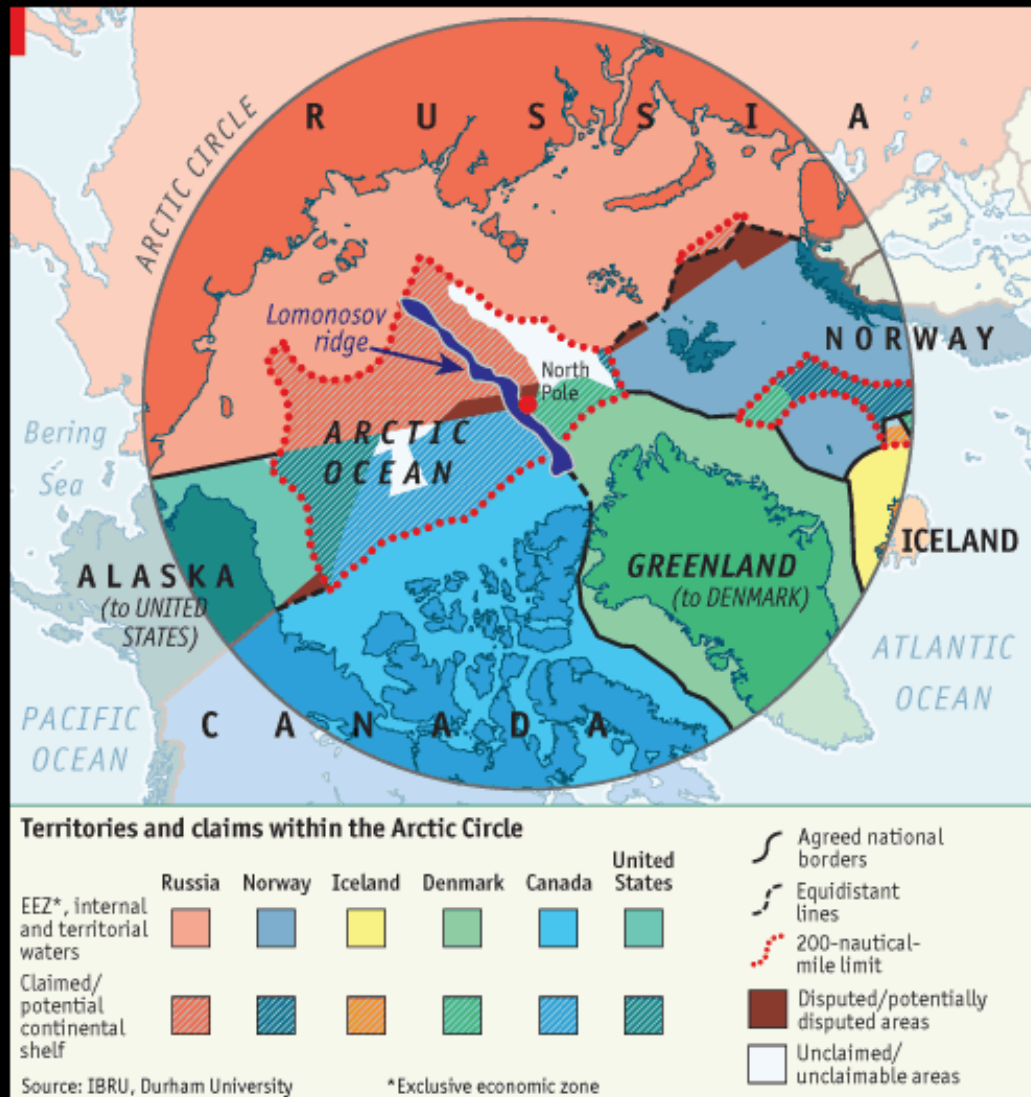


http://3.bp.blogspot.com/-b2exhW2ozmc/UzE2c4sq2ol/AAAAAAAAAwKc/VVNWU_yaY9o/s1600/Russian+Arctic+build+up.jpg



Governance Institutions

Law of the Sea



International Maritime Organization Polar Code

Safety at Sea



[Wikimedia.org/wiki/commons/c/c0/Selendang_Ay_u.jpg](https://commons.wikimedia.org/wiki/File:Selendang_Ay_u.jpg)

Environmental Protection



<http://www.grida.no/images/news/2010/walrus-560px.jpg>

Arctic Council



Permanent Participants



Permanent Observers



Evaluation of Arctic Governance

Successes and Gaps

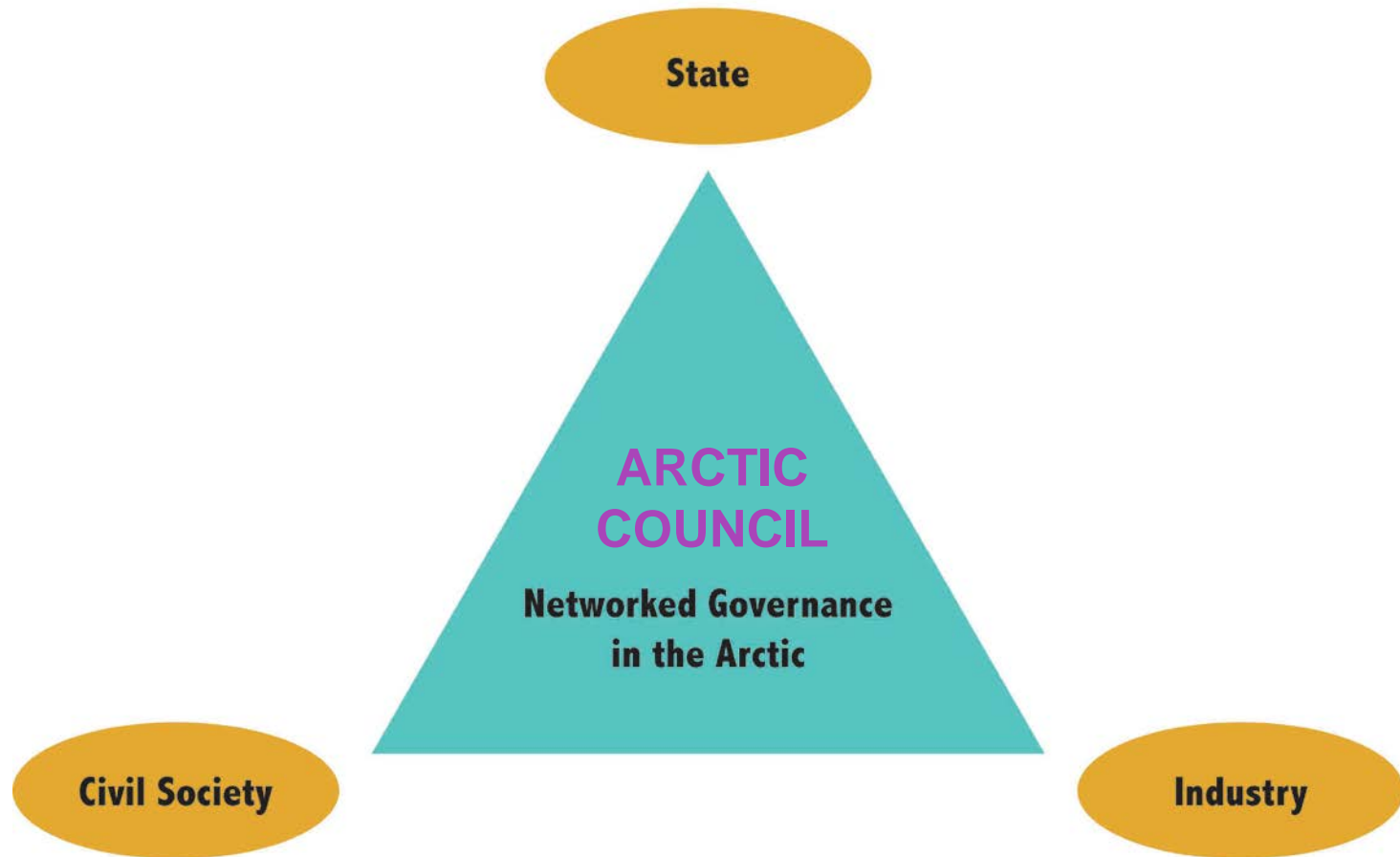
Characteristic	UNCLOS	IMO	Arctic Council	National Regimes	Industry
Situated in a Globalized World					
Appropriate for Local Context					
Inclusive of Non-State Actors					
Knowledge Production					
Adequate Infrastructure					
Environmental Protections					
Flexible and Adaptable					

Successful

Gap

Partially, or has the potential to be succesful

The Solution: Networked Governance





Thank you!

Dr. Lisa Campbell, Duke University

James Kraska, US Naval War College

John Kaltenstein, Friends of the Earth

Carl-Johan Hagman, Stena Line

Patrik Svahn, Stena Bulk