



Maritime Networks in Space and Time



International Workshop
ERC "World Seastems"

More than 80% of world trade volumes occur by sea nowadays. Despite this enormous importance, little is known about the precise distribution and configuration of maritime flows. This international workshop on maritime flows and networks wishes to gather worldwide scholars and experts from all scientific and disciplinary backgrounds to introduce and discuss their researches on various related issues. This is a multi-disciplinary event which will investigate how maritime flows and networks of any kind can be analyzed in order to answer major industry and wider societal challenges.

Contributions will deal with themes such as:

- ancient and contemporary shipping routes and corridors;
- regionalisation and globalisation dynamics in world maritime trade;
- global production networks and logistics/supply/value/commodity chains;
- multimodal transportation, hinterlands and the land-sea interface;
- port systems, centrality, hubs, maritime ranges and forelands;
- port-city relationships, merchants and intermediaries, urban systems, global cities;
- network security, congestion, disruption, vulnerability, and optimisation;
- network design and routing, port choice and shipping line competition;
- technological change in shipping and port operations, time and cost factors;
- climate change, bioinvasions and environmental sustainability;
- mobility, migrations, cultural exchanges, knowledge diffusion, tourism, voyages and discoveries.

The originality of the workshop is to put a strong emphasis on the methodological aspects across a wide spectrum:

- theories, concepts, models applicable to transport networks;
- database building from historical and other documents (AIS, schedules, movements...);
- network analysis from graph theory to complex systems;
- visualization and modeling of flow matrices;
- spatial analysis and statistics, cartography, Geographical Information Systems (GIS);
- simulation, agent-based models, forecast.

It is intended that this workshop will lead to a **book publication**, based on a selection of best papers following the workshop itself. Young scholars as well as confirmed experts are all welcome, from both social and natural sciences (i.e. archeology, history, geography, economics, engineering, computer science, physics, mathematics, geomatics...).



January 15th:
March 15th:
March 30th:
Late June:

Key dates

call for contributions posted online
deadline for abstract submission
acceptance of abstract
workshop (to be confirmed)

Organisers

César DUCRUET, PhD, Research Fellow (CNRS)
Nora MAREÍ, PhD, Post-Doc (CNRS)
Sébastien HAULE, Msc (CNRS)



Workshop venue

ISC, Paris (to be confirmed)

Partner institutions

European Research Council (ERC)
Centre National de la Recherche Scientifique (CNRS)
UMR 8504 Géographie-Cités
Paris & Ile-de-France Institute of Complex Systems

Link to the ERC StG project "World Seastems"
http://cordis.europa.eu/projects/rcn/107041_en.html

