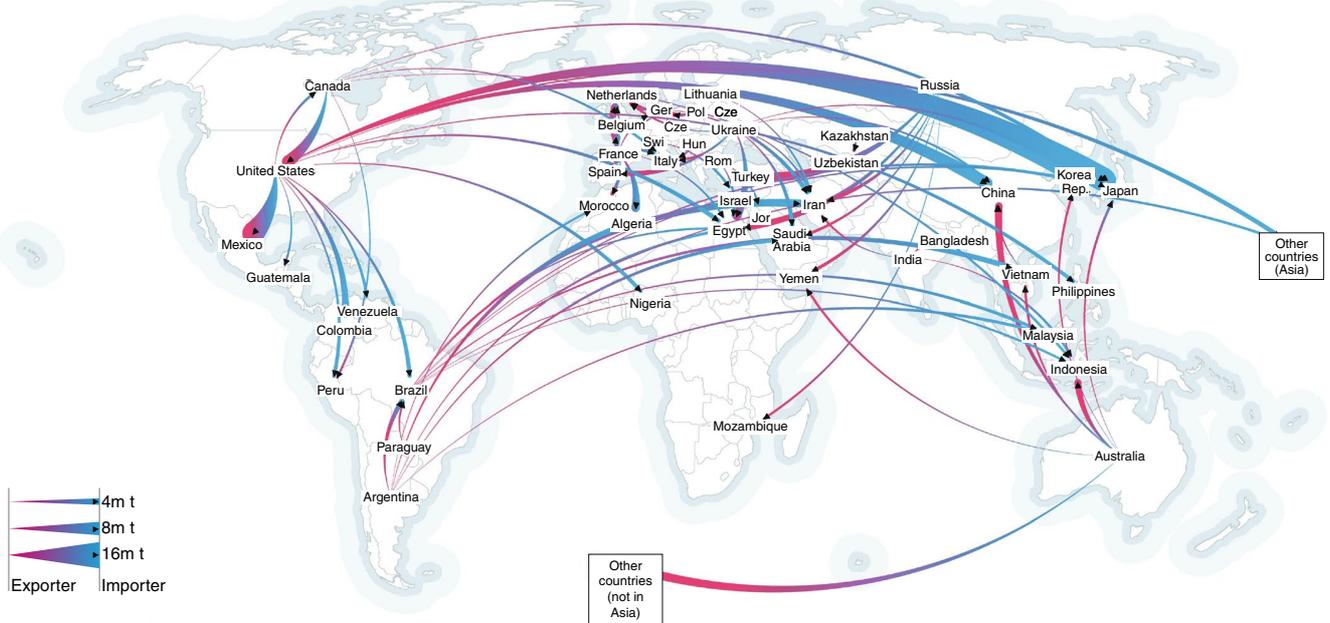


All countries exporting cereals to all countries, in 2014 by value (US\$)



Impact of globalization on the resilience and sustainability of natural resources: a complex system approach



Prof. Paolo D'Odorico,
University of California, Berkeley

A central question in sustainability science is to what extent natural resources can be used without compromising their future availability and ability to regenerate themselves. Fisheries, forests, rangelands or agricultural land can be used sustainably only if harvested at rates not exceeding a critical level. Beyond that threshold, these systems may shift to a degraded (overexploited) state in which resources remain depleted and cannot recover. In this talk, we will give an overview of some recent results in sustainability science obtained through a complex system approach, based on dynamical systems and network science. We will present different models accounting for the effect of globalization on natural resources, with particular applications on the Global Food-Energy-Water Nexus

Friday, April 30th, 5 pm. Zoom ID: 891 5222 4288

<https://unipd.zoom.us/j/89152224288>