

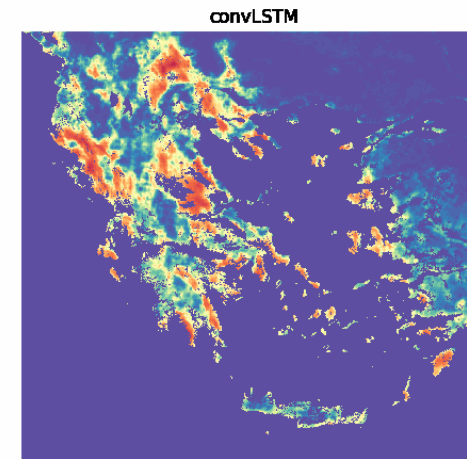
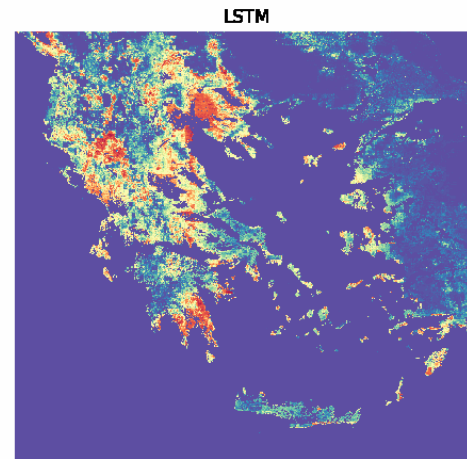
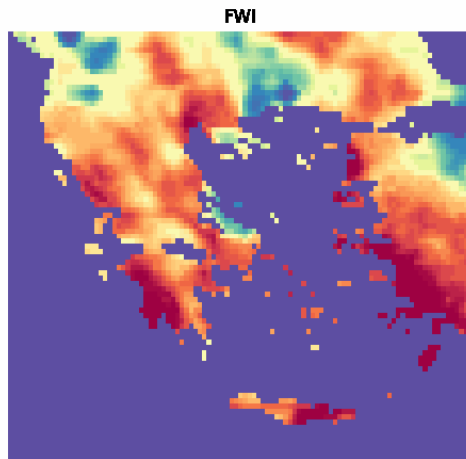
# SeasFire

EARTH SYSTEM DEEP LEARNING FOR SEASONAL FIRE FORECASTING IN EUROPE

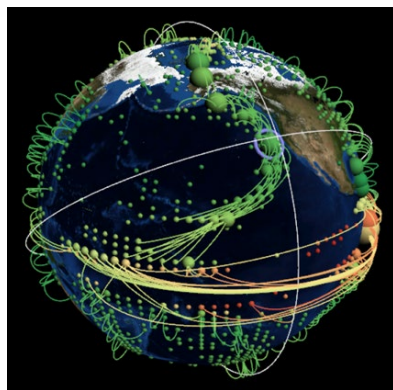
<https://seasfire.hua.gr/>



<https://orionlab.space.noa.gr/>



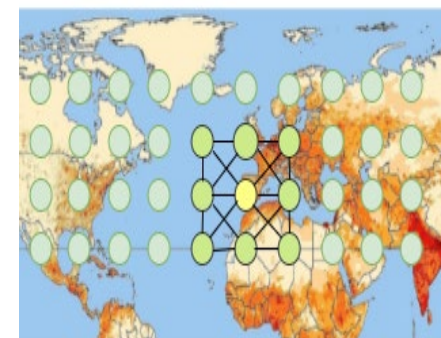
# DEEP CUBE



Credit: Nocke et al., 2015

- ☐ Earth is an interconnected system and should be treated as such: Teleconnections and memory effects (spatiotemporal links)
- ☐ Large scale processes are taking place, e.g. extreme fire events have been linked to previous-year surface moisture conditions and anomalies in the Arctic Oscillation (Kim, Jin-Soo, et al., 2020)

Convolutional Neural Network Convolution



Graph Neural Network Convolution

