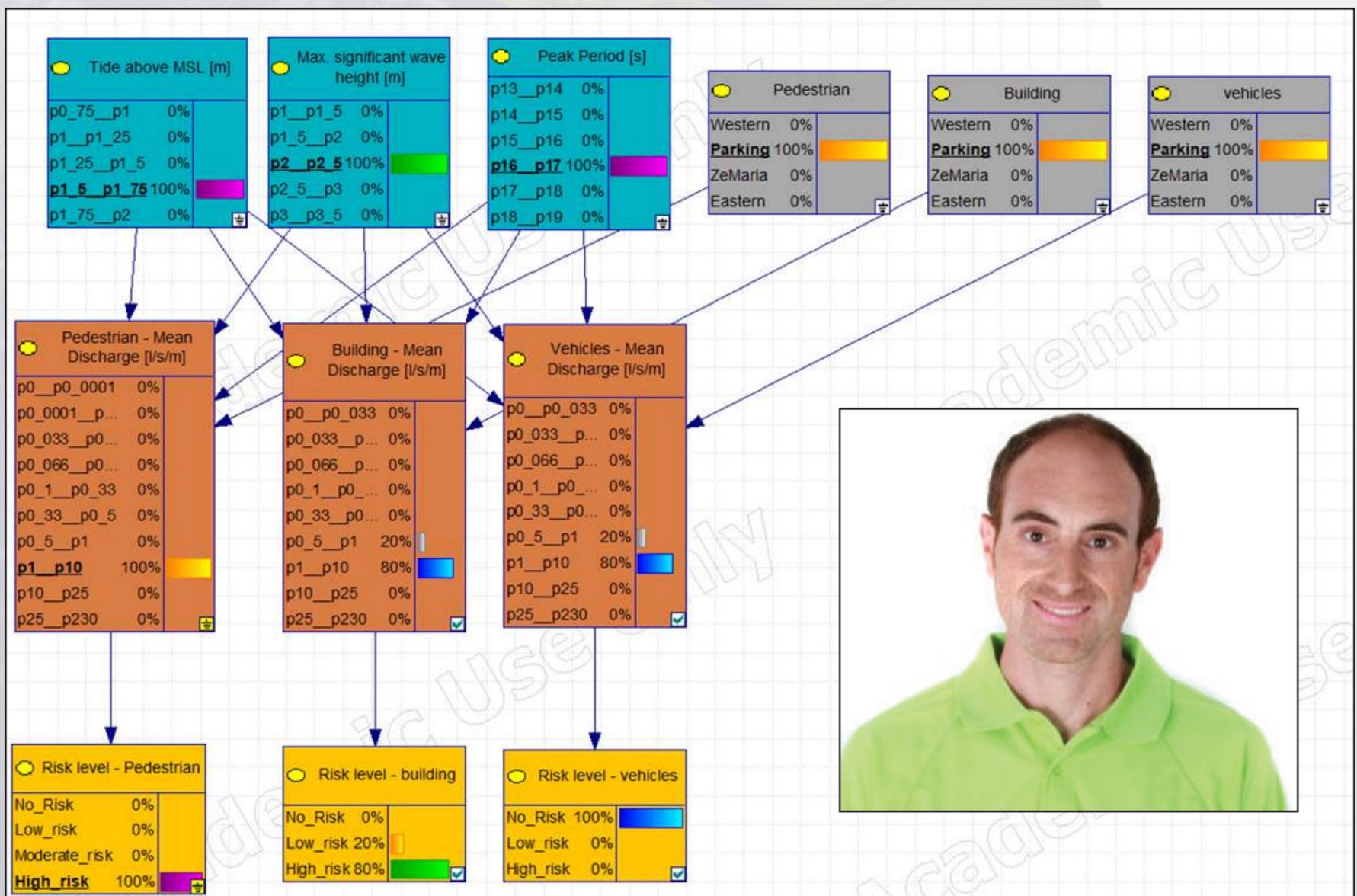


# SOLID EARTH SEMINARS

## DEVELOPMENT OF AN EARLY WARNING SYSTEM FOR COASTAL HAZARDS



### WHAT'S THIS ABOUT?

Severe storms can impact coastal areas causing catastrophic damages in these communities. Under this threat, the development of disaster risk reduction plans is vital for minimizing damages in occupied areas. A key aspect to reduce risks is community preparedness enabling, for instance, safe evacuation and protection measurement implementation before the storms. Therefore, Early Warning System (EWS) providing timely and accurate information about the magnitude of the risks in receptors (pedestrian, building, vehicle) is one of the most cost-effective measures for disaster risk reduction. Within the EW-Coast project, an EWS is under developing at three coastal sites of Portugal: Faro, Quarteira and Costa de Caparica. This system uses numerical models to predict beach erosion and wave-induced flooding up to 72 hours in advance. Then, based on the intensity of the predicted hazard, risk levels are established. This information will be used to advice authorities about the risks associated to each storm.

ZOOM



Juan L. Garzon Hervas

(CIMA, Universidade de Algarve, Portugal)

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Wednesday: 13:00

PASS: RG234\_2021

<https://videoconf-colibri.zoom.us/j/89018419156>